APPENDIX D

- **AIR QUALITY AND CLIMATE CHANGE IMPACT ASSESSMENT**
- **SUMMARY OF TECHNICAL ASSUMPTIONS**

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AIR QUALITY AND CLIMATE CHANGE IMPACT ASSESSMENT

Las Pilitas Quarry
County of San Luis Obispo, California

January 22, 2013

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1.0 INTRODUCTION

This Air Quality and Climate Change Impact Assessment (AQCCIA) has been prepared for the Las Pilitas Quarry. The San Luis Obispo Air Pollution Control District CEQA Air Quality Handbook ("CEQA Handbook," December 2009) is the primary guidance document used in assessing impacts.

2.0 EXISTING CONDITIONS

Air pollutants are regulated in order to reduce health effects. This section describes the health effect of common air pollutants, regulations that affect air emissions sources, and the existing physical setting (regional and local). Figures illustrating the location of the Project, other aggregate mines in the region, and receptors in the immediate vicinity of the Project are provided in Appendix A.

The environmental setting includes local topography, meteorology; and air quality conditions in the region, at the project site, and at nearby receptors. In addition, the physical setting includes the transportation of aggregates within the region.

2.1 Meteorology and Topography

Text in this section is copied from the 2001 Clean Air Plan. Meteorological data from the Atascadero station was provided by SLOAPCD for use in dispersion modeling and health risk assessment for this project.

San Luis Obispo County constitutes a land area of approximately 3,316 square miles with varied vegetation, topography and climate. The diversity of environmental conditions found in the county is greater than its size would suggest. It is bordered by Monterey County to the north, Santa Barbara County to the south, and Kern County to the east, with the Pacific Ocean as the western border. From a geographical and meteorological standpoint, the county can be divided into three general regions: the Coastal Plateau, the Upper Salinas River Valley, and the East County Plain. Air quality in each of these regions is characteristically different, although the physical features which divide them provide only limited barriers to transport of pollutants between regions.

The Project is within the Upper Salinas River Valley. The Upper Salinas River Valley, located in the northern one-third of the county, houses 25% of the county's population. Historically, this region has experienced the highest ozone and particulate levels in the county. Transport of ozone precursors from the coastal plateau and from the San Joaquin Valley may contribute to this condition.

The Upper Salinas River Valley is characterized by a variety of vegetation communities including riparian, oak woodlands, wetlands, native and nonnative grasslands, and chaparral. Coastal Live Oak and Blue Oak are dominant features of the landscape, with a wide variety of wildlife supported by the oak woodlands scattered throughout the area. Riparian trees such as cottonwoods and willows are common along drainage channels, streams, reservoirs, and marshes. Grassland vegetation is widespread on the rolling hills and flat areas that are either too dry to support oak woodland or have been cleared of oaks in the past.

The climate of the county can be generally characterized as Mediterranean, with warm, dry summers and cooler, relatively damp winters. Along the coast, mild temperatures are the rule throughout the year due to the moderating influence of the Pacific Ocean. This effect is diminished inland in proportion to distance from the ocean or by major intervening terrain features, such as the coastal mountain ranges. As a result, inland areas are characterized by a considerably wider range of temperature conditions. Maximum summer temperatures average about 70 degrees Fahrenheit near the coast, while inland valleys are often in the high 90s. Minimum winter temperatures average from the low 30s along the coast to the low 20s inland.

Regional meteorology is largely dominated by a persistent high pressure area which commonly resides over the eastern Pacific Ocean. Seasonal variations in the strength and position of this pressure cell cause seasonal changes in the weather patterns of the area. The Pacific High remains generally fixed several hundred miles offshore from May through September, enhancing onshore winds and opposing offshore winds. During spring and early summer, as the onshore breezes pass over the cool water of the ocean, fog and low clouds often form in the marine air layer along the coast. Surface heating in the interior valleys dissipates the marine layer as it moves inland.

From November through April the Pacific High tends to migrate southward, allowing northern storms to move across the county. About 90% of the total annual rainfall is received during this period. Winter conditions are usually mild, with intermittent periods of precipitation followed by mostly clear days. Rainfall amounts can vary considerably among different regions in the county. In the Coastal Plain, annual rainfall averages 16 to 28 inches, while the Upper Salinas River Valley generally receives about 12 to 20 inches of rain. The Carrizo Plain is the driest area of the county with less than 12 inches of rain in a typical year.

Airflow around the county plays an important role in the movement and dispersion of pollutants. The speed and direction of local winds are controlled by the location and strength of the Pacific High pressure system and other global patterns, by topographical factors, and by circulation patterns resulting from temperature differences between the land and sea. In spring and summer months, when the Pacific High attains its greatest strength, onshore winds from the northwest generally prevail during the day. At night, as the sea breeze dies, weak drainage winds flow down the coastal mountains and valleys to form a light, easterly land breeze.

In the Fall, onshore surface winds decline and the marine layer grows shallow, allowing an occasional reversal to a weak offshore flow. This, along with the diurnal alternation of land-sea breeze circulation, can sometimes produce a "sloshing" effect. Under these conditions, pollutants may accumulate over the ocean for a period of one or more days and are subsequently carried back onshore with the return of the sea breeze. Strong inversions can form at this time, "trapping" pollutants near the surface.

This effect is intensified when the Pacific High weakens or moves inland to the east. This may produce a "Santa Ana" condition in which air, often pollutant-laden, is transported into the county from the east and southeast. This can occur over a period of several days until the high pressure system returns to its normal location, breaking the pattern. The breakup of a Santa Ana condition may result in relatively stagnant conditions and a buildup of pollutants offshore. The onset of the typical daytime seabreeze can bring these pollutants back onshore, where they combine with local emissions to cause high pollutant concentrations. Not all occurrences of the "post Santa Ana" condition lead to high ambient pollutant levels, but it does play an important role in the air pollution meteorology of the county.

The stability of the atmosphere is one of the key factors affecting pollutant dispersion. Atmospheric stability regulates the amount of vertical and horizontal air exchange, or mixing, that can occur within a given air basin. Restricted mixing and low wind speeds are generally associated with a high degree of stability in the atmosphere. These conditions are characteristic of temperature inversions.

Several types of inversions are common to this area. Weak, surface inversions are caused by radiational cooling of air in contact with the cold surface of the earth at night. In valleys and low lying areas this condition is intensified by the addition of cold air flowing downslope from the hills and pooling on the valley floor. Surface inversions are a common occurrence throughout the county during the winter, particularly on cold mornings when the inversion is strongest. As the morning sun warms the earth and the air near the ground, the inversion lifts, gradually dissipating as the day progresses.

During the late spring and early summer months, cool air over the ocean can intrude under the relatively warmer air over land, causing a marine inversion. These inversions can restrict dispersion along the coast, but they are typically shallow and will dissipate with surface heating.

In contrast, in the summertime the presence of the Pacific high pressure cell can cause the air mass aloft to sink. As the air descends, compressional heating warms it to a temperature higher than the air below. This highly stable atmospheric condition, termed a subsidence inversion, is common to all of coastal California and can act as a nearly impenetrable lid to the vertical mixing of pollutants. The base of the inversion typically ranges from 1,000 to 2,500 feet above sea level; however, levels as low as 250 feet, among the lowest anywhere in the state, have been recorded on the coastal plateau in San Luis Obispo county. The strength of these inversions makes them difficult to disrupt. Consequently, they can persist for one or more days, causing air stagnation and the buildup of pollutants. Highest or worst-case ozone levels are often associated with the presence of this type of inversion.

2.2 Air Quality

The Project is located in the South Central Coast Air Basin (SCCAB) which encompasses the counties of San Luis Obispo, Santa Barbara and Ventura. The County of San Luis Obispo Air Pollution Control District (APCD) has jurisdiction over the portion of the SCCAB in which the Project is proposed.

The Federal Clean Air Act and the California Clean Air Act each contain comprehensive frameworks for air quality planning and regulation. Title 40 of the Code of Federal Regulations and Title 17 of the California Code of Regulations contain requirements that have been promulgated under authority granted to United States Environmental Protection Agency (US EPA) and California Air Resource Board (CARB) by the Acts.

2.2.1 Criteria Pollutant Regulations and Attainment

Criteria air pollutants include sulfur oxides (SOx), nitrogen oxides (NOx), particulate matter (PM), carbon monoxide (CO), lead (Pb), and ground-level ozone (O_3). Ambient Air Quality Standards (AAQS) are developed by US EPA and CARB for each of the criteria pollutants. Primary AAQS are designed to protect human health, with an adequate margin of safety, including sensitive populations such as children, the elderly, and individuals suffering from respiratory disease. Secondary AAQS are designed to protect public welfare from any known or anticipated adverse effects of a pollutant (e.g. building facade degradation, reduced visibility, and damage to crops and domestic animals).

AAQS and related monitoring programs are among the many devices established by air quality regulations (40 CFR 50 - 51). Geographic areas called “attainment areas” are classified by US EPA and CARB based on whether the ambient air in the area meets the AAQSs. An “attainment area” is an area in which pollutant concentrations are less than or equal to the AAQS while “non-attainment areas” have pollution levels above the AAQS. State and federal AAQS are shown in Table 1.

In order to make progress towards attainment with the AAQS, each state and air district containing federal non-attainment areas is required to develop a written plan for cleaning the air in those areas. These plans are called State Implementation Plans (SIP) and Clean Air Plans (CAP). California’s SIP contains mobile source and consumer product emission control strategies proposed by CARB and a compilation of stationary and area source strategies that have been developed by local air districts under CARB supervision. Through these plans, the state and local air districts outline efforts that they will take to reduce air pollutant concentrations to levels below the standards. Federal and State attainment status designations assigned by US EPA and CARB for the County are summarized in Table 1.

California Ambient Air Quality Standards (CAAQS) are more stringent than the National Ambient Air Quality Standard (NAAQS). Existing law requires district plans for attaining CAAQS to assess the cost-effectiveness of available and proposed emission control measures. Every three years, the SLOAPCD prepares a Triennial Report of the air quality improvement for comparison to commitments and attainment demonstrations in the CAP. Proposed emission control measures in the AQMP(s) are typically developed into air district rules. Current SLOAPCD rules that apply to Project sources include:

- **Rule 201 – Equipment Not Requiring a Permit** describes those air emissions sources that are exempt from permitting. Some exempt sources are nevertheless subject to prohibitory rules. For instance, road dust is not subject to permit but is limited by Rule 401.
- **Rule 202 – Permits** requires emissions sources that are not exempted by Rule 201 to obtain operating permits from SLOAPCD.
- **Rule 204 – Requirements** contains rule language describing New Source Review including Best Available Control Technology (BACT) and emissions offset requirements for stationary sources.

- **Rule 401 – Visible Emissions** limits visibility of fugitive dust to less than No. 1 on the Ringlemann Chart (i.e. 20% opacity).
- **Rule 402 – Nuisance** applies when complaints from the public are received by the District.
- **Rule 403 – Particulate Matter Emissions Standards** that affect Project sources:
  a. 0.1 grains per dry standard cubic foot at standard conditions for stack discharges.
  b. Maximum hourly discharge rate of particulates based upon process weight table in Rule.
  c. Internal combustion engines are exempt from this rule.
- **Rule 431 – Stationary Internal Combustion Engine**s may apply to the portable engines used by the Project if an engine is "operated at the same location for more than one year or is attached to a foundation." The Rule limits emissions to no more than 600 ppmv NOx and 4500 ppmv carbon monoxide.
- **Rule 601 – New Source Performance Standards** incorporates Federal regulation (40 CFR 60) which affects the construction of emissions units. Requirements may or may not apply depending upon the size, construction and manufacture date of equipment that will be used. Specifically, NSPS OOO (40 CFR 60.670) applies to equipment in non-metallic mineral processing plants.

The County is in attainment with each National AAQS. In 1989, the County was designated a nonattainment area for the state ozone and PM_{10} standards. State law requires the District to develop a plan designed to achieve the state standards by the earliest practical date; this plan must be updated every three years. The Clean Air Plan (CAP) outlines the District's strategies to reduce ozone precursor emissions from a wide variety of stationary and mobile sources. The 2001 CAP was adopted by the APCD Board at the hearing on March 26, 2002 and contains emissions predictions through Year 2015.

In 2003, the California Legislature enacted Senate Bill 656 (Sher), to reduce public exposure to particulate matter (PM_{10} and $PM_{2.5}$ collectively referred to as PM). SB 656 required the California Air Resource Board (ARB) in consultation with local air pollution control districts, to develop and adopt a list of PM reduction strategies. The APCD Board adopted the PM Report and associated control measures in July 2005.

The APCD's Strategic Action Plan (SAP) is intended to provide a roadmap for five years and the strategies needed to meet objectives and challenges faced by APCD. It was developed to ensure that priorities and programs remain properly aligned with APCD's mission, and that resources are used efficiently and effectively to accomplish identified goals while increasing public awareness and participation in their achievement. The current SAP (January 24, 2007) contains as a strategy to "Develop attainment plan for state 8-hour ozone standard." Otherwise, it appears that continued application of existing APCD regulations and measures in the 2001 Clean Air Plan are sufficient to maintain attainment and/or progress toward attainment with AAQSs.

Table 1: Ambient Air Quality Standards and Attainment Status

San Luis Obispo County Attainment Status					
Pollutant	Averaging Time	California Standards****		Federal Standards****	
		Concentration	Attainment Status	Concentration	Attainment Status
Ozone (O_3)	1 Hour	0.09 ppm (180 µg/m^3)	Non-Attainment		Non-Attainment Eastern SLO County - Attainment Western SLO County***
	8 Hour	0.070 ppm (137 µg/m^3)		0.075 ppm (147 µg/m^3)	
Respirable Particulate Matter (PM10)	24 Hour	50 µg/m^3	Non-Attainment	150 µg/m^3	Unclassified*/ Attainment
	Annual Arithmetic Mean	20 µg/m^3		–	
Fine Particulate Matter (PM2.5)	24 Hour	No State Standard	Attainment	35 µg/m^3	Unclassified*/ Attainment
	Annual Arithmetic Mean	12 µg/m^3		15.0 µg/m^3	
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	Attainment	9 ppm (10 mg/m^3)	Unclassified*
	1 Hour	20 ppm (23 mg/m^3)		35 ppm (40 mg/m^3)	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		–	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 (57 µg/m^3)	Attainment	0.053 ppm (100 µg/m^3)	Unclassified*
	1 Hour	0.18 ppm (330 µg/m^3)		–	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	–	Attainment	0.030 ppm (80 µg/m^3)	Unclassified*
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (365 µg/m^3)	
	3 Hour	–		0.5 ppm (1300 µg/m^3)**	
	1 Hour	0.25 ppm (655 µg/m^3)		–	
Lead*	30 Day Average	1.5 µg/m^3	Attainment	–	No Attainment Information
	Calendar Quarter	–		1.5 µg/m^3	
	Rolling 3-Month Average*	–		0.15 µg/m^3	
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more (0.07-30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape.	Attainment	No Federal Standards	
Sulfates	24 Hour	25 µg/m^3	Attainment		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Attainment		
Vinyl Chloride*	24 Hour	0.01 ppm (26 µg/m^3)	No Attainment Information		

* Unclassified (EPA/Federal definition): Any area that cannot be classified on the basis of available information as meeting or not meeting the national primary or secondary ambient air quality standard for that pollutant. ** Secondary Standard

*** San Luis Obispo County has been designated non-attainment east of the -120.4 deg Longitude line, in areas of SLO County that are south of latitude 35.45 degrees, and east of the -120.3 degree Longitude line, in areas of SLO County that are north of latitude 35.45 degrees. Map of non-attainment area is available upon request from the APCD. **** For more information on standards visit :http://ww.arb.ca.gov.research/aaqs/aaqs2.pdf

Attainment (EPA/Federal definition): Any area that meets the national primary or secondary ambient air quality standard for that pollutant. (CA definition): State standard was not exceeded during a three year period.

Non-Attainment (EPA/Federal definition): Any area that does not meet, or contributes to an area that does not meet the national primary or secondary ambient air quality standard for that pollutant. (CA definition): State standard was exceeded at least once during a three year period.

Last checked December 26, 2012. Hourly NO_2 NAAQS not shown is 100 ppb (188 µg/m3). (http://www.slocleanair.org/images/cms/upload/files/AttainmentStatus24October2012%281%29.pdf).

2.2.2 Toxic Air Contaminant Regulations

TACs are pollutants listed by the State of California that pose acute, chronic, and/or cancer health risks to exposed individuals. Hazardous air pollutants (HAP) are pollutants listed by US EPA that pose acute, chronic, and/or cancer health risks to exposed individuals.

The Office of Environmental Health Hazard Assessment (OEHHA) is responsible for developing the scientific basis for listing TACs while the California Air Resources Board (CARB) is responsible for implementing air toxic control measures (ATCM). Assembly Bill 1807 (AB1807) passed in 1983 requires the state of California to identify and control TACs. TACs are formally identified through a detailed process which starts when a chemical's risk to human health and the environment is above certain criteria. Once TACs are identified, the emission sources, controls, technologies and costs are reviewed to determine if regulation is needed to reduce emissions. In 1993, AB1807 was amended by passage of Assembly Bill 2728 (AB 2728) which requires the State to list the 189 federal HAPs in the TAC list.

In 1987, the AB 2588 air toxics "hot spots" program was established. This program requires subject facilities to report their air toxics emissions, determine localized health risks, and notify nearby residents of significant risks. The program was amended in 1992 to require facilities to reduce any significant risks through the development of a risk management plan. The Hotspots Analysis and Reporting Program (HARP) is a tool that is used to assist with calculating TAC emission inventories and performing health risk assessments under the AB 2588 Program.

Diesel particulate matter (DPM) is identified as a TAC and accounts for roughly 70% of the cancer risk from air pollution in urban areas where on-road sources dominate the inventory. Diesel engines are a ubiquitous source and thus it is not surprising that stationary source TAC effects "are generally much lower than region-wide risk levels, region-wide risks tend to overwhelm any potential local 'hot spots.'" (SCAQMD Mates II Study, Section 7.3).

The Off-Road Vehicle Regulation was adopted by the ARB in 2007 to reduce diesel particulate matter (PM) and oxides of nitrogen (NOx) emissions from in-use off-road heavy-duty diesel vehicles in California. The regulation was amended by the ARB in December 2010. Prior to that time, the regulation phased in from 2010 to 2020; but the December 2010 rulemaking pushed the start date back to 2014 and the date of final implementation back to 2024. In addition, until ARB receives a waiver from U.S. EPA to regulate in-use off-road engines, the provisions that require further control are not enforceable. Registering fleets through the Diesel Off-road On-line Reporting System (DOORS), labeling equipment, idling requirements and sale notification are requirements of the Off-Road Regulation that are still in effect. The Regulatory Advisory describing the enforcement delay was updated in May 2011.[1]

The On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation was adopted in December 2010. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. The regulation applies to nearly all privately and federally owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

[1] http://www.arb.ca.gov/enf/advs/advs414.pdf

Portable engines are regulated by an air toxic control measure that limits diesel particulate matter and may also be regulated by the Portable Equipment Registration Program (PERP) or local air district permit. In-use portable engines regulated by the ATCM begin phasing in controls to meet emissions reductions criteria on January 1 of 2013, 2017, and 2020. By 2020, in-use portable engines will have Tier 4 particulate emissions characteristics.[2] The PERP program requires compliance with the ATCM for in-use engines and applications for Tier 3 engines were accepted until June 30, 2012 after which time Interim Tier 4 became a requirement for new registrations in PERP.

APCD rules that apply to TAC sources operated by the Project include:

- **Rule 219 – Toxics New Source Review** ensures that new sources do not pose excessive health risk to the public by requiring assessment of health risk and application of Toxic Best Available Control Technology (T-BACT) in cases where control is needed to reduce health risk.
- **Rule 412 – Airborne Toxic Control Measures** references State and Federal regulations.

2.2.3 Existing Sources

No man-made sources of air pollutants currently exist on-site. Sources of air pollutants in close proximity to the Project include traffic on Highway 58 and an existing quarry to the west. Regional demand for aggregates and related regional transport of aggregates to satisfy that demand results in emissions. As discussed in Section 2.5, existing truck trips will initially be redistributed from other quarries to the Project whereas future growth would result in new trips and emissions within the region.

2.2.4 Ambient Pollutant Concentrations

Table 2 contains the concentration data and number of days exceeding each AAQS monitored in the County. Appendix B contains EPA fact sheets for NO_2 and PM AAQSs. The site is located closest to the Atascadero monitoring station. The 2010 Network Monitoring Plan published by APCD describes the Atascadero station:

> *Atascadero <u>Ozone</u> – Operated by the SLOAPCD since 1988, this population-oriented neighborhood scale ozone monitor is located near the central business district of downtown Atascadero and is bounded on two sides by elementary schools. It provides a measurement of representative ozone concentration for the City of Atascadero. Ozone concentrations at this site exhibit strong diurnal fluctuations caused by titration of ozone by oxides of nitrogen from nearby mobile and residential sources. Measured concentrations at this site are often similar to those recorded at Paso Robles and are some of the highest in the SLAMS network. The highest ozone concentrations at Atascadero occur when high pressure over the interior southwest U.S. causes transport of "old" ozone and other pollutants into SLO County from the east. Under these infrequent conditions transported ozone enhanced by local pollutants can cause highly elevated concentrations. The prevailing West or Northwest winds from the coast help keep ozone levels at Atascadero low most of the time.*

[2] http://www.arb.ca.gov/portable/portable.htm

Atascadero Nitrogen Dioxide – Operated by SLOAPCD since 1990, this population-oriented monitor is considered neighborhood scale and highest concentration for NO_2. This, the only NO_2 monitor in the Salinas River air basin, records the highest NO, NO_2 and NOx levels in the county. The monitor's location downtown has established a strong diurnal inverse relationship between ozone and NO_2 levels caused by local mobile sources and residential and commercial combustion of natural gas.

Atascadero Particulates – Operated by SLOAPCD. The PM10 monitor has been operated since 1988. The collocated RFM $PM_{2.5}$ monitors began operation in 1999 and were replaced by a single BAM 1020a continuous monitor. The FRM samplers were taken offline in March 2010. All are urban in scale and representative of particulate concentrations in the city of Atascadero.

Other monitoring stations are sited to obtain regional background concentrations. These include Morro Bay, Nipomo Regional Park and Carrizo Plains for ozone concentrations; and Nipomo Regional Park for nitrogen dioxide concentrations. Sulfur dioxide is measured at one station location near a stationary source (MESA2) and carbon monoxide is no longer monitored in the County because concentrations are consistently low.

Table 2: Ambient Air Quality Data

Measurement	Units	2007	2008	2009	2010
NO_2 - Max. 1 hour avg. conc.	ppm	0.046	0.052	0.045	*
NO_2 - Days > State Std	days	0	0	0	*
NO_2 - Annual Arithmetic Mean	ppb	9	8	7	*
NO_2-AAM Nat> Nat. Std.	year	0	0	0	*
NO_2 - AAM State	ppm	0.0091	0.0077	0.0070	*
NO_2-AAM State> State Std	year	0	0	0	*
Ozone - Max. 1 hour avg. conc.	ppm	0.079	0.087	0.078	0.077
Ozone - Hrs. > State 1 hr Std.	hrs	0	0	0	0
Ozone - Max. 8 hr (overlap)	ppm	0.071	0.079	0.068	0.067
Ozone-Max 8-hr (State)	ppm	0.072	0.080	0.068	0.068
Ozone - Days above Nat 8hr Std	days	0	1	0	0
Ozone-Days above State 8-hr	days	1	3	0	0
PM_{10} - Max. 24 hr avg conc.- S	ug/m3	49	43.6	36	23
PM_{10}-Max. 24 hr. (Natl.)	ug/m3	48	44.1	36	23
PM_{10} - Calc. Days > State Std.	days	*	0	0	*
PM_{10}-Annual Avg. (State)	ug/m3		20.5	17.5	*
PM_{10}-Max. Ann. Avg.from 3 yr (S)	ug/m3	18	20	20	20
PM_{10} - Calc. Days > Nat. Std.	days	*	0	0	*
$PM_{2.5}$ - Max. 24 hr. (State)	ug/m3	27.6	28.5	26.9	12.4
$PM_{2.5}$-Max. 24 hr. (Natl)	ug/m3	23.9	28.5	51.6	21.2
$PM_{2.5}$ Est. Days>Nat. 24-hr std	days	0	0	2	0
$PM_{2.5}$ - 98th percentile (Natl)	ug/m3	22.7	20.2	26.4	16.0
$PM_{2.5}$-3yr. Annual AOQ (Natl)	ug/m3	7.9	8.1	9.2	6.3
$PM_{2.5}$-Annual Avg. (State)	ug/m3	8.0	*	7.9	*

Atascadero-Lewis Avenue Monitoring Station Data from CARB website
* = no data, Max. = maximum, Avg. = average, Ann. = annual, AAM = annual arithmetic mean, Conc. = concentration, Std = standard, hr = hour, Natl = national

2.2.5 Ambient Cancer Risk

CARB risk maps show that ambient air in the Project area exhibits a total cancer risk between zero and 100 excess cancer cases per one million people exposed as presented on Figure 3 (Appendix A).

2.2.6 Nearby Receptors

Table 3 presents receptors (R1 through R8) near the Project including residences within 0.25 mile of the Project site and outside the Project boundary (Appendix A, Figure 2).

Table 3: Nearby Receptors

Receptor ID	UTM, Easting (meters)	UTM, Northing (meters)	Representative Grid Receptor ID	Type – Direction
1	721350.26	3921450.01	442	Residence – SE
2	721400.26	3921600.01	557	Residence – SE
3	721950.26	3921450.01	454	Residence – SE
4	721700.26	3922400.01	1171	Residence – NE
5	720200.26	3921950.01	799	Industrial – NW
6	720650.26	3921150.01	200	Residence – SW
7	720800.26	3921150.01	203	Residence – SW
8	721050.26	3920950.01	56	Residence – SW

2.3 Greenhouse Gases

The EPA regulates GHGs in spite of several federal climate change bills that have failed to become law.

California has been a leader in GHG regulation. California has passed several bills and the Governor has signed numerous executive orders aimed at reducing GHG emissions and related climate change impacts. The most prominent of these is Assembly Bill 32 (Nunez, 2006) - the “California Global Warming Solutions Act of 2006" (AB 32). Among other things, AB 32 is designed to reduce California’s statewide GHG emissions to 1990 levels by 2020.

2.3.1 Federal Regulations

The effect of greenhouse gas emission regulations are potentially far reaching. On December 7, 2009, US EPA Administrator Lisa Jackson signed a final action, under Section 202(a) of the Clean Air Act, finding that six key well-mixed greenhouse gases constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to the climate change problem. The “endangerment finding” allows EPA to begin regulating the six GHGs that are identified.

Key effects that EPA claims support the determination that GHGs endanger public health include:

*"**Temperature**. There is evidence that the number of extremely hot days is already increasing. Severe heat waves are projected to intensify, which can increase heat-related mortality and sickness. Fewer deaths from exposure to extreme cold is a possible benefit of moderate temperature increases. Recent evidence suggests, however, that the net impact on mortality is more likely to be a danger because heat is already the leading cause of weather-related deaths in the United States.*

***Air Quality**. Climate change is expected to worsen regional ground-level ozone pollution. Exposure to ground-level ozone has been linked to respiratory health problems ranging from decreased lung function and aggravated asthma to increased emergency department visits, hospital admissions, and even premature death. The impact on particulate matter remains less certain.*

***Climate-Sensitive Diseases and Aeroallergens**. • Potential ranges of certain diseases affected by temperature and precipitation changes, including tick-borne diseases and food and water-borne pathogens, are expected to increase. • Climate change could impact the production, distribution, dispersion and allergenicity of aeroallergens and the growth and distribution of weeds, grasses, and trees that produce them. These changes in aeroallergens and subsequent human exposures could affect the prevalence and severity of allergy symptoms.*

***Vulnerable Populations and Environmental Justice**. • Certain parts of the population may be especially vulnerable to climate impacts, including the poor, the elderly, those already in poor health, the disabled, those living alone, and/or indigenous populations dependent on one or a few resources. • Environmental justice issues are clearly raised through examples such as warmer temperatures in urban areas having a more direct impact on those without air-conditioning.*

***Extreme Events**. Storm impacts are likely to be more severe, especially along the Gulf and Atlantic coasts. Heavy rainfall events are expected to increase, increasing the risk of flooding, greater runoff and erosion, and thus the potential for adverse water quality effects. These projected trends can increase the number of people at risk from suffering disease and injury due to floods, storms, droughts and fires." (EPA's Endangerment Finding - Health Effects Fact Sheet, US EPA).*

On May 13, 2010 EPA finalized the GHG Tailoring Rule which sets major source emissions thresholds which define when federal operating permits under Prevention Significant Deterioration (PSD) or Title V are required. The major source threshold for criteria pollutants in the PSD program is 250 tons per year (tpy) and in the Title V program the threshold is 100 tpy. While these thresholds are appropriate for criteria pollutants, they are not feasible for GHGs because GHGs are emitted in much greater amounts.

PSD permitting requirements now cover construction of new sources that emit GHGs in an amount greater than 100,000 tpy even if the project does not exceed permitting thresholds for any other pollutant. Modification of an existing source that increases GHG emissions by an amount greater than 75,000 tpy is also subject to permitting requirements even if the modification does not significantly increase emissions of any other pollutant.

2.3.2 California Regulations

CARB approved the AB 32 Scoping Plan at the Board hearing on December 12, 2008. The Scoping Plan

contains the main strategies that California will use to reduce GHGs as required by AB 32. On July 22, 2011, CARB published "Status of Scoping Plan Recommended Measures" which describes revised emissions reduction estimates for measures included in the 2008 Scoping Plan that recognize the following:

- **Development of measure-specific regulations**. Regulations adopted by the Board include estimates of reductions anticipated by 2020. These regulations, which reflect ARB's progress towards reducing statewide GHG emissions, include comprehensive documentation detailing the data sources and methods used to develop measures recommended in the Scoping Plan. Each regulation's Initial Statement of Reasons (ISOR) contains the information necessary to evaluate how the reduction was calculated. All ISOR documents are available on ARB's website.
- **Severe and prolonged economic downturn**. The revised measure-specific emission reductions consider the economic downturn through the use of an updated GHG emission forecast. The updated forecast was developed using average emissions over a three-year period (2006-2008) projected to 2020. For energy consuming sectors, the projection is based on future demand for electricity and transportation fuels described in the California Energy Commission's 2009 Integrated Energy Policy Report (IEPR). The IEPR accounts for the recession using economic and demographic data. The 2009 IEPR document is available on the California Energy Commission's website. (http://www.energy.ca.gov/2009_energypolicy/documents/).

Historically, the California Energy Commission (CEC) has maintained an inventory of California's statewide GHG emissions. Table 4 provides a summary of the statewide GHG emissions by sector.

Table 4: California's GHG Emissions (MMTCO2e/yr)

Sector	1990 Actual [Target]	2008 Actual	2020 BAU – 2008 Scoping Plan	2020 BAU – 2011 Proposed Supplements
Transportation	150.67	174.99	225.4	192
Electricity	108.05	116.35	139.2	118
Commercial and Residential	44.09	43.13	46.7	40
Industry	96.18	92.66	100.5	85
Recycling and Waste	6.26	6.71	7.7	7
High GWP	3.17	15.65	46.9	40
Agriculture	23.62	28.06	29.8	25
Forestry Net Emissions	-4.7	0.19	0.0	0.0
Emissions Total	**427**	**477.74**	**596**	**507**

Appendix F, Climate Change Scoping Plan, December 2008.
http://www.arb.ca.gov/cc/inventory/archive/tables/ghg_inventory_ipcc_90-04_all_2007-11-19.pdf
http://www.arb.ca.gov/cc/inventory/data/tables/ghg_inventory_scopingplan_00-08_2010-05-12.pdf
http://www.arb.ca.gov/cc/scopingplan/document/Supplement_to_SP_FED.pdf (Details by sector estimated based upon ratio to total.)

Table 5 is reproduced from CARB's status update. The 2008 Scoping Plan called for approximately 29% reduction in GHG emissions statewide. This value has been updated to approximately 16% reduction statewide.

Table 5: 2020 Statewide Greenhouse Gas Emissions and the 2020 Target

			Forecasted Statewide GHG Emissions (MMTCO2e)
2020 Baseline (2008 Scoping Plan)			**596**
Pre-economic downturn, Business-As-Usual		Economic Downturn	
Recalculated 2020 Baseline from the Scoping Plan After economic downturn, Business-As-Usual			**545**
Measures newly incorporated into inventory (baseline)			
Pavley (vehicles model-years 2009-2016)	26 MMTCO2e	Measures Incorporated Into baseline	
Renewables Portfolio Standard (12% to 20%)	12 MMTCO2e		
	38 MMTCO2e		
2020 AB 32 Baseline (adjusted in 2010)			**507**
Reductions Necessary to Achieve the 2020 Emissions Target	80 MMTCO2e	Needed Reductions	
2020 Emissions Target			**427**

The contents of Table 5 were re-affirmed on August 24, 2011 when the CARB Board approved the Final Supplement to the AB 32 Scoping Plan Functionally Equivalent Document. Final Resolution 11-27 was passed at that meeting which set aside ARB's approval of the 2008 Scoping Plan and certified the Proposed Scoping Plan as described in the 2011 Final Supplement.

Control measures contained in the Scoping Plan that may affect Project emissions include, but are not limited to:

- **Transportation Measures**. These measures propose to reduce GHG's from vehicles by making vehicles more efficient, reducing the carbon content of the fuels, and reducing the vehicle miles traveled. Thus, vehicles would emit less GHG emissions in the future.

  a. Light Duty Vehicle GHG Standard (T-1). This measure implements AB 1493 (Pavley) standards and planned second phase of the program. Align zero-emission vehicle, and alternative and renewable fuel and vehicle technology programs with long-term climate change goals.

  b. Low Carbon Fuel Standard (T-2). This measure will reduce the carbon intensity of California's transportation fuels by at least ten percent (10%) by 2020. CARB had

previously identified this measure as a Discrete Early Action item which will be implemented through a rulemaking by 2010.

c. Vehicle Efficiency Measures (T-4). This includes measures such as sustainable tire practices, properly inflating vehicle's tires, and possibly fuel-efficient tire standards.

- **Energy Measures**. These measures propose that utility operators replace some fossil fuel electricity generation capacity with renewable sources and reinforces incentives that are offered by local governments to encourage the placement of solar panels on new and existing structures. The Renewables Portfolio Standard (RPS) increases renewables from 12% in the baseline year(s) to 20% in 2020. The Renewable Electricity Standard (RES) is a separate measure that requires 33% renewables by 2020. The RES is implemented by the CEC and CPUC under SBX1-2, signed by Governor Brown in April 2011.

Senate Bill 375 (SB 375) "Transportation planning: travel demand models: sustainable communities strategy: environmental review" was signed by the Governor on September 30, 2008. SB 375 is most concerned with automobile and light truck traffic, but the goal of reducing GHGs covers all transportation sources based on the need for sustainable communities.

> *"each transportation planning agency … shall prepare and adopt a regional transportation plan directed at achieving a coordinated and balanced regional transportation system, including, but not limited to, mass transportation, highway, railroad, maritime, bicycle, pedestrian, <u>goods movement</u>, and aviation facilities and services." (Section 65080(a), underline added.)*

The regional transportation plan is to be an internally consistent document and include a sustainable communities strategy (SCS).

> *"The sustainable communities strategy shall …(v) gather and consider the best practically available scientific information regarding <u>resource areas</u> and farmland in the region …." (Section 65080(b)(2)(B)(v), underline added.)*

> *Resource areas include: "areas of the state designated by the State Mining and Geology Board as areas of statewide or regional significance pursuant to Section 2790 of the Public Resources Code, and lands under Williamson Act contracts." (Section 65080.01(a)(4).)*

Thus, SB 375 recognizes construction aggregate as a regionally significant resource that requires special consideration in transportation and land use planning efforts. Lastly, the MPOs:

> *"shall consider financial incentives for cities and counties that have resource areas." (Section 65080(b)(4)(C).)*

2.4 Regional Construction Materials Demand

Special Report 162 (SR 162) was published in 1989 to classify mineral lands within the region. "The San Luis Obispo – Santa Barbara Production-Consumption (P-C) Region … covers approximately 2,062 square miles and includes the urbanizing portions of San Luis Obispo and Santa Barbara counties. In any urbanizing region it is important that land-use decisions be made with full recognition of the local natural resources. Mineral resources including construction aggregate are limited within a given region. This is especially true of Portland cement concrete (PCC) aggregate resources, an indispensable, high-grade construction aggregate which is costly to transport." (Page vii, SR162)

"The boundaries of the San Luis Obispo – Santa Barbara P-C Region were defined to include all areas within the two counties where PCC-grade aggregate is produced (the mining sites), and the market area where their product is consumed (the urban centers within the counties). … The P-C Region is therefore as near to a closed system as possible, with aggregate production nearly equal to aggregate consumption within it." (Page vii, SR162)

"Other than the large areas classified as MRZ-2 for Portland cement concrete (especially the La Panza granitics and the alluvium of the Santa Maria River), there are few promising sources for future PCC-grade aggregate in the region…. Although the La Panza granitics are mined for aggregate at two locations in the western part which has been classified as MRZ-2, the overburden of weathered rock there is about 50 feet thick." (Page 31, SR 162)

In 2011, the California Geologic Survey (CGS) published Special Report 215 which was an update to SR 162. SR 215 uses historical aggregate consumption and population for the period 1988 – 2009 to forecast 50-year aggregate demand. Table 6 presents an abridged continuum of historical and forecasted aggregate use as described in SR 215.

Table 6: Forecasted Aggregate Demand (millions of tons)

Date	Population	Estimated Annual Demand	Permitted Resources	Fifty Year Demand
1/1/1989	553,165	3.651	132	206
1/1/2001	620,354	4.094	93	99
1/1/2006	652,677	4.308	77	243
1/1/2010	673,551	4.445	75	263
1/1/2015	697,180	4.601	50	ND
1/1/2020	718,936	4.745	30	ND
1/1/2026	741,769	4.896	0	ND
1/1/2050	899,195	4.896	ND	ND
Notes: Estimated Annual Demand is based on 6.6 tons/capita/yr (SR 215). Greyed boxes contain estimates with no new resources permitted. ND = not determined.				

"In the San Luis Obispo-Santa Barbara P-C Region, the rate of recycling of demolition waste is high. Based on recyclers estimates, roughly 250,000 tons of recycled aggregate was reclaimed from demolished construction materials in the P-C Region in 2009. This figure will vary, depending on amounts available and demands for the products. Unless there is a large change in the use of recycled material for aggregate, there will not be a significant effect on the mining of new aggregate deposits and the projection of future demand for raw aggregate materials will not change significantly." (Page 23, SR 215)

The demand for aggregate and construction materials with aggregate as the main component (e.g. hot mix asphalt and Portland cement concrete) is inelastic. Inelastic demand means that neither the supply nor the price of a commodity influences demand for that commodity. In fact, aggregate demand is most closely related to population. The Project will not affect demand for construction materials. Initially, it will replace materials that would have been hauled from other quarries that may be farther from the market rather than generate new demand for aggregate. This basis for analysis is supported by Dr. Peter Berck's Working Paper No. 994 – A Note on the Environmental Costs of Aggregate (Appendix B). According to Dr. Berck:

> *The opening of a new quarry for aggregates will change the pattern of transportation of aggregates in the area served by the quarry. In this note, we will show that, so long as aggregate producers are cost minimizing, the new pattern of transportation requires less truck transport than the pattern of transportation that existed before the opening of the new quarry. Since the costs of providing aggregates falls, it is reasonable to assume that the price of delivered aggregates also will fall. This note also shows that the demand expansion effect is of very small magnitude. Since the demand increase from a new quarry is quite small, the dominant effect is that the quarries are on average closer to the users of aggregates and, as a result, the truck mileage for aggregate hauling decreases. To summarize the effects of a new quarry project:*
>
> *a) The project in itself will not significantly increase the demand for construction materials in the region through market forces, which include the downward pressure on pricing.*
>
> *b) Truck traffic (i.e. vehicle miles traveled) in the region will not increase and may decrease as a result of the project.*

As a result, the effect of a new quarry project that is located close to the market is to reduce the air emissions associated with aggregate trucking. In this case, the Project is close to another quarry and considered equidistant from the market. Therefore, reduced trip length is not credited to the Project. However, baseline year emissions from aggregate trucks trips will be shifted from other mines to the Project. New aggregate truck trips are forecasted be added at a rate directly proportional to forecasted population growth in the region. New trips above the existing regional baseline are attributed to the Project up to the maximum annual rate of production (one-half million tons per year or 0.5 MMtpy). The California Geological Survey predicts that the aggregate market will grow by 0.5 MMtpy by 2028 with or without the Project. Population within the Region will tend increase steadily and diesel engines will be progressively cleaner in the future.

Lastly, the Project includes receipt of recyclable concrete and asphalt. At a regional level, truck trips associated with this activity already exist and, therefore, may be included in the Project baseline. Even if these trips increase in the future, they are not induced by the Project. Production of aggregate and recycled materials would otherwise occur elsewhere without the Project. The Project's share of future growth in demand for aggregate and related materials is attributed to this Project for purposes of assessing reasonably foreseeable conditions. Whereas all trips, including those which are already occurring in the baseline and those that are not induced by the Project, are used to determine significance of the Project as instructed by SLOAPCD staff.

3.0 SAN LUIS OBISPO COUNTY PLANS AND POLICIES

County policies may involve traditional air pollutants or greenhouse gases.

3.1 Air Quality

Most of the policies related to air quality are found in Chapter 2 of the County Conservation and Open Space Element (COSE) (San Luis Obispo County 2010:2.9 through 2.26). Many of these policies relate to the pattern of land use development and regional transportation measures which do not apply to projects such as the proposed quarry. Table 7 below provides a review of applicable policies.

Table 7: County Plans and Policies

Source	Policy Statement	Discussion	Preliminary Determination
Inland Framework for Planning – Land Use Element, Planning Principle 1, Policy 4	Preserve and protect the air quality of the county by seeking to exceed or at least maintain the minimum state and federal ambient air quality standards.	Operations within the proposed quarry would not contribute towards exceed state or federal air quality standards	Consistent
COSE Policy AQ 3.2 Attain air quality standards	Use APCD's CEQA Handbook to determine significance of impacts and to identify minimum project design and mitigation requirements in County CEQA documents.	This procedure has been followed as part of the analysis in this EIR	Consistent
COSE Policy AQ 3.7 Reduce vehicle idling	Reduce heavy vehicle idling using APCD and CARB idling reduction policies for schools and other sensitive receptors	Idling restrictions will be posted onsite.	Consistent
COSE Policy AQ 3.8 Reduce dust emissions	Reduce PM_{10} and $PM_{2.5}$ from unpaved and paved County roads to maximum extent feasible.	Project design includes paving access road from SR58 to quarry entrance, and use of water to suppress dust from internal working areas	Consistent

3.2 Greenhouse Gases

In 2005, the County adopted Strategic Growth Principles, which serve as guiding principles on how the county's new growth will occur in a more sustainable manner. These Principles have been incorporated as goals, policies, and strategies into the General Plan. In May 2010, the County Board of Supervisors adopted an update to the Conservation and Open Space Element (COSE) of the County's General Plan. The updated COSE provides the basis and direction for the draft EnergyWise Plan (a.k.a. climate action plan) which proposes goals and policies that aim to reduce vehicle miles traveled, conserve water, increase energy efficiency and the use of renewable energy, and reduce greenhouse gas emissions.

However, the draft EnergyWise Plan (August 2011) omits conservation of local mineral resources as a way to reduce vehicle miles traveled and greenhouse gases. Conversely, the COSE devotes an entire chapter to mineral resources recognizing the need to balance the economic benefit of mineral extraction with the protection of people and the environment from potential adverse effects of mining activities. Aggregate is a low cost, high weight commodity so transportation costs are a significant portion of the total. The "economic benefit" of local mineral resources also has co-benefits for regional air quality and greenhouse gas emissions by reducing vehicle miles traveled. Arguably, the same logic that leads to Community-Wide GHG Reduction Measure 38 – Local Foods in the draft EnergyWise Plan also leads to local minerals.

In advance of the next Regional Transportation Plan (RTP) update, the San Luis Obispo Council of Governments (SLOCOG) prepared a Preliminary Sustainable Community Strategy (PSCS) and associated CEQA document outside the RTP process. Scenarios prepared for the PSCS focus development near existing urban centers. The closest area of planned growth to the Project site is located south of Santa Margarita and forecasted to be populated by New Rural Residential land uses. The corridor between Atascadero and Paso Robles and the City of San Luis Obispo are also urban centers where future growth will be concentrated and that are within the area to be served by the Project.

Neither the County, nor the Air District has established guidance for evaluating GHG impacts under CEQA. On December 29, 2009, the California Natural Resources Agency (Resources Agency) adopted amendments to the State CEQA Guidelines to assist lead agencies in evaluating climate change under CEQA. These amendments, which formally became incorporated into the Guidelines on March 18, 2010, modified fourteen (14) sections of the State CEQA Guidelines, with notable amendments including the following new sections/subsections:

§15064.4. Determining the Significance of Impacts from Greenhouse Gas Emissions.

(a) The determination of the significance of greenhouse gas emissions calls for a careful judgment by the lead agency consistent with the provisions in section 15064. A lead agency should make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project. A lead agency shall have discretion to determine, in the context of a particular project, whether to:

(1) Use a model or methodology to quantify greenhouse gas emissions resulting from a project, and which model or methodology to use. The lead agency has discretion to select the model or methodology it

considers most appropriate provided it supports its decision with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use; and/or

(2) Rely on a qualitative analysis or performance based standards.

(b) A lead agency should consider the following factors, among others, when assessing the significance of impacts from greenhouse gas emissions on the environment:

(1) The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting;

(2) Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.

(3) The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

(c) Mitigation Measures Related to Greenhouse Gas Emissions. Consistent with section 15126.4(a), lead agencies shall consider feasible means, supported by substantial evidence and subject to monitoring or reporting, of mitigating the significant effects of greenhouse gas emissions. Measures to mitigate the significant effects of greenhouse gas emissions may include, among others:

(1) Measures in an existing plan or mitigation program for the reduction of emissions that are required as part of the lead agency's decision;

(2) Reductions in emissions resulting from a project through implementation of project features, project design, or other measures, such as those described in Appendix F;

(3) Off-site measures, including offsets that are not otherwise required, to mitigate a project's emissions;

(4) Measures that sequester greenhouse gases;

(5) In the case of the adoption of a plan, such as a general plan, long range development plan, or plans for the reduction of greenhouse gas emissions, mitigation may include the identification of specific measures that may be implemented on a project-by-project basis. Mitigation may also include the incorporation of specific measures or policies found in an adopted ordinance or regulation that reduces the cumulative effect of emissions.

Although the CEQA Guidelines have been updated to address climate change impact analysis, they do not specify a threshold of significance for GHGs. Specifying the threshold of significance is left to the Lead Agency's discretion. How to establish a numerical threshold of significance for GHGs has been the subject of little guidance and much debate.

The most recent advance in CEQA analysis of GHGs comes from the California Air Pollution Control Officers Association (CAPCOA) in the form of CalEEMod software (Jan. 2011) which replaces URBEMIS.

Current SLOAPCD rules that affect GHG emissions sources include:

Rule 216 – Federal Part 70 Permits requires major sources that emit GHG's in quantities of 100,000 tons per year or more to obtain an operating permit.

Rule 221 – Federal Part 70 Potential to Emit Limitations requires reporting and recordkeeping from sources with emissions greater than 50% of the federal major source thresholds and establishes a de minimis level for GHG emissions of 5,000 MTCO2e/yr.

4.0 SIGNIFICANCE THRESHOLDS

The APCD has established four separate categories of evaluation for determining the significance of project impacts. Full disclosure of the potential criteria air pollutant and/or toxic air contaminant emissions from a project is needed for these evaluations, as required by CEQA:

- Consistency with the most recent Clean Air Plan for San Luis Obispo County;
- Comparison of calculated project emissions to SLO County APCD emission thresholds; and,
- Comparison of predicted ambient pollutant concentrations resulting from the project to state and federal health standards, when applicable;
- The evaluation of special conditions which apply to certain projects.

4.1 Consistency with the Clean Air Plan and Smart Growth Principles

A consistency analysis with the Clean Air Plan is required for a Program Level environmental review, and may be necessary for a Project Level environmental review, depending on the project being considered. Program-Level environmental reviews include but are not limited to General Plan Updates and Amendments, Specific Plans, Regional Transportation Plans and Area Plans. Project-Level environmental reviews which may require consistency analysis with the Clean Air Plan and Smart/Strategic Growth Principles adopted by lead agencies include: subdivisions, large residential developments and large commercial/industrial developments. The project proponent should evaluate if the proposed project is consistent with the land use and transportation control measures and strategies outlined in the Clean Air Plan. If the project is consistent with these measures, the project is considered consistent with the Clean Air Plan.

4.2 Comparison to Operational Emission Thresholds

Emissions which exceed the designated threshold levels are considered potentially significant and should be mitigated. The threshold criteria established by the SLO County APCD to determine the significance and appropriate mitigation level for long-term operational emissions from a project are presented in Table 8.

Table 8: SLOAPCD Project-Level Operational Significance Thresholds

Pollutant	Threshold[1]	
Ozone Precursors (ROG+NOx)[2]	25 lbs/day	25 tons/year
Diesel Particulate Matter (DPM)[2]	1.25 lbs/day	
Fugitive Particulate Matter (PM_{10}), Dust	25 lbs/day	25 tons/year
Carbon Monoxide (CO)	550 lbs/day	
Greenhouse Gases (CO_2, CH_4)	Not Yet Established	

1. Daily and annual emission thresholds are based on the California Health & Safety Code Division 26, Part 3, Chapter 10, Section 40918 and the CARB Carl Moyer Guidelines for DPM.
2. URBEMIS – use winter operational emission data to compare to operational thresholds.

Projects which emit 25 lb/day or more ozone precursors (ROG + NOx combined) have the potential to cause significant air quality impacts and should be submitted to SLO County APCD for review. On-site mitigation measures, following Section 3.7 of the CEQA Handbook are recommended. If all feasible mitigation measures are incorporated into the project and emissions are still greater than 25 lb/day or 25 tons/yr, then an Environmental Impact Report should be prepared. Additional mitigation measures, including off-site mitigation, may be required depending on the level and scope of air quality impacts identified in the EIR.

Certain industrial and commercial projects may emit substantial quantities of DPM through the use of stationary and mobile on-site diesel-powered equipment as well diesel trucks and other vehicles that serve the project. Projects that emit more than 1.25 lbs/day of DPM need to implement on-site Best Available Control Technology measures. DPM is a concern due to the fact that it is a carcinogen. Cancer risk from carcinogens is usually assessed over a 70-year lifetime.

Projects which emit more than 25 lbs/day or 25 tons/year of fugitive particulate matter need to implement permanent dust control measures to mitigate the emissions to below these thresholds or provide suitable off-site mitigation approved by the APCD.

4.3 Comparison to Ambient Air Quality Standards

State and federal ambient air quality standards are established to protect public health and welfare from the adverse impacts of air pollution; these standards are listed in Table 1. Industrial and large commercial projects are sometimes required to perform air quality dispersion modeling if the SLO County APCD determines that project emissions may have the potential to cause an exceedence of these standards. In such cases, models are used to calculate the potential ground-level pollutant concentrations resulting from the project. The predicted pollutant levels are then compared to the applicable state and federal standards. A project is considered to have a significant impact if its emissions are predicted to cause or contribute to a violation of any ambient air quality standard. In situations where the predicted standard violation resulted from the application of a "screening-level" model or calculation, it may be appropriate to perform a more refined modeling analysis to accurately estimate project impacts. If a refined analysis is not available or appropriate, then the impact must be mitigated to a level of insignificance or a finding of overriding considerations must be made by the permitting agency.

4.4 Evaluation of Conditions that Apply to Certain Projects

Naturally occurring asbestos (NOA) has been identified by the state Air Resources Board as a toxic air contaminant. Serpentine and ultramafic rocks are very common throughout California and may contain naturally occurring asbestos. The SLO County APCD has identified areas throughout the County where NOA may be present (see Hazards Section in DEIR). Under the ARB's Air Toxic Control Measure (ATCM) related to quarrying, and surface mining operations, a geologic evaluation is required to determine if NOA is present prior to conducting any grading activities at a project site located in the candidate area. If NOA is found at the site the applicant must comply with all requirements outlined in the Asbestos ATCM for Quarrying, and Surface Mining Operations. These requirements may include but are not limited to:

- Development of an Asbestos Dust Mitigation Plan, which must be approved by the APCD before operations begin, and,
- Development and approval of an Asbestos Health and Safety Program (required for some projects).

If NOA is not present, an exemption request must be filed with the Air District.

4.5 Greenhouse Gases

Neither the County, nor the APCD, has established a significance threshold for GHG emissions. Nonetheless, GHGs emissions from projects subject to CEQA must be quantified and, if found to be significant, mitigated to the maximum extent feasible.

Other local agencies in California have published industrial source GHG thresholds for use in CEQA. 10,000 metric tons of carbon dioxide equivalent per year ($MTCO_2e/yr$) is used by South Coast and Bay Area AQMDs while Mojave Desert AQMD has chosen to maintain consistency with EPA by setting their threshold equal to the major source threshold of 100,000 $MTCO_2e/yr$. This DEIR uses the more conservative value of 10,000 MTCO2e/yr.

5.0 ASSESSMENT METHODOLOGY

Criteria pollutants have impacts on regional and localized scales. Emissions are estimated using standard methods (e.g. AP-42, EMFAC2011, OFFROAD2011, CalEEMod) and compared to the SLOAPCD mass-based thresholds in Table 8 to determine the significance of impacts on regional air quality. Emissions are also assessed using air dispersion modeling software (i.e. ISCST3 in the Lakes AERMOD View Software suite) and health risk assessment software (i.e. HARP and HARP Onramp) to determine the potential for the project to result in a localized hot spot.

Construction phase activity levels are less than operation phase and, when occurring at the same time as operations, result in curtailment of operations due to lack of infrastructure (e.g. roads, scalehouse). In other words, project activity levels during construction will not exceed maximum project activity levels without construction. Therefore, only operation phase is assessed as a conservative maximum and the mitigations that are required for operations are also required during construction.

Dispersion modeling was performed utilizing flat terrain. Flat terrain is conservative for this project because the receptors are generally located at lower elevations than the sources and the emissions points are close to the ground. In general, Project plumes will travel along the ground between sources and receptors, which is conservatively modeled as flat terrain (i.e. the actual distance between the source and receptor is greater with actual elevation changes than it is with flat terrain and utilization of flat terrain minimizes the amount of vertical mixing).

The health risk assessment calculations are performed using HARP. The ISCST3 software air dispersion output data (χ/Q) is used as the input file for the HARP health risk assessment module. Before inputting the ISCST3 output into HARP it was converted using the HARP ONRAMP software to a format that is compatible with HARP.

The model was built for the health risk assessment (HRA) and adapted for the criteria pollutant dispersion analysis. Cancer risk is typically assessed over a 70-year lifetime and includes effects from truck travel on public roads adjacent to nearby receptors as well as on-site sources. Due to the multi-year and receptor-centric nature of cancer HRA, it is necessary to place sources in each portion of the site in which equipment will operate. Thus the model prepared for this project contains volume sources that are spaced out over the majority of the operating area on the Project site. The area that each volume source covers is used to apportion the emissions over the site by phase. Haul truck emissions on-site and on roadways through the City of Santa Margarita were modeled for each of two receptor grids: one covering the vicinity of the Project; and one covering the City of Santa Margarita.

The criteria pollutant models contain only on-site sources and evaluate the peak year, day, and hour (as opposed to the project life analyzed for cancer risk). Thus, the criteria pollutant models (and non-cancer HRA models) assume that Project sources are operating in the Phase 1 locations at the maximum activity levels of the first year. This is the most conservative approach because it places the sources closest to the receptors and considers emissions rates before regulatory controls reduce them.

The Project has a finite amount of material reserves that would last for 25 years at the peak production rate. Furthermore, the potential to emit (PTE) in future years is affected by existing regulations that have future implementation dates. Specifically, air toxic control measures (ATCM) that affect diesel engines will phase in over the next decade to reduce DPM emissions. If the resource lasts longer than 25 years, a larger portion of the production will occur in the future, after these regulations reduce emissions. In this way, it is conservative to assume that all of the production occurs in the first 25 years for the cancer risk assessment as was done for this project.

Exposure to TACs by routes other than inhalation is included by the multi-pathway risk assessment. Exposure via home grown produce, dermal absorption, soil ingestion, and mother's milk are included. Deposition for the multipathway assessment is assumed to occur at a rate of 0.02 meters per second.

The APCD was contacted to determine which day should be compared to the 1.25 lb/day DPM threshold. APCD indicated that the 1.25 lb/day threshold should apply to any day (e.g. the first peak day in first year, which would have the maximum DPM emissions). However, the fact that the cancer risk assessment methodology (the primary impact associated with DPM emissions) is based on lifetime exposure duration, supports using long term average daily emissions to compare to the DPM threshold. This would allow projects to account for engine retrofits and replacements that are required by ATCMs in the near future. Furthermore, APCD's instructions to use the first, peak day are inconsistent with the following excerpt taken from the CEQA Handbook which indicates that excess emissions should be offset by assuming that they occur for the life of the conditional use permit.

> *If off-site mitigation is required, potential off-site mitigation measures may be proposed and implemented by the project proponent following APCD approval of the appropriateness and effectiveness of the proposed measure(s). Alternatively, the project proponent can pay a mitigation fee based on the amount of emission reductions needed to bring the project impacts below the applicable significance threshold. The APCD shall use these funds to implement a mitigation program to achieve the required reductions. The following outlines how to calculate the amount of off-site mitigation fees required for a given project:*
>
> *a. Calculate the operation phase emissions including on-site mitigation measures included in the project. Project emissions calculated to be above the APCD significance thresholds are defined as excess emissions and must be reduced below the emissions thresholds by off-site mitigation.*
>
> *b. Project emissions above the lbs/day threshold must be converted to tons/year and divided by the daily-to-annual equity ratio value of 5.5 to obtain an equivalent tons/year value.*
>
> *c. The excess tons/year emissions are then multiplied by the project life (i.e. 50 years for residential projects and 25 years for commercial projects) and the most current cost-effectiveness value as approved for the Carl Moyer program.*

The method for paying mitigation fees assumes many years of emissions into the future. The Project, if operated at peak rates, would last 25 years during which time emissions from vehicular sources will be greatly reduced by existing regulations. If operated at a lower (e.g. half) rate, then the Project may operate for 50 years in which case even greater reductions in emissions will be achieved before the aggregates are extracted. It seems reasonable to account for actions that the Applicant will be required take in the future in order to mitigate the cumulative impacts addressed by the mitigation fee. Therefore, this EIR presents average peak day DPM emissions over the first 25-years and over 70 years. As instructed by APCD staff, the peak day in the first year is compared to the 1.25 lb/day threshold to determine significance of the Project.

6.0 PROJECT IMPACTS AND MITIGATION MEASURES

6.1 Consistency with the Clean Air Plan and Smart Growth Principles

The Clean Air Plan was published in 2001 and contains control measures that are required to attain/maintain attainment with air quality standards, a majority of which have already been implemented. The Clean Air Plan does not address quarries, aggregate processing, or recycling plants specifically. The Transportation and Land Use Chapter of the Clean Air Plan contains one measure "L-1, Planning Compact Communities" that states "spread out communities require longer travel distances between home, work, school, and shopping. In general, the more compact a community is, the lower its number of vehicle trips and miles traveled." Though the control measure is in the context of commuter trips, the haul of aggregate is similarly affected by sprawl. Thus, the Project would be consistent with smart growth principles because it makes aggregates available near the end use and may ultimately reduce the total distance that aggregates travel in the Region. Moreover, citing a new quarry in San Luis Obispo County avoids environmental justice issues related to shipping materials from and through neighboring counties rather than permitting local aggregate resources.

The Project does not induce growth. The Clean Air Plan accounts for population growth and aggregate market/Project activity levels grow proportionally to population. Thus, the Project emissions are included in the Clean Air Plan and the Project is consistent with the Clean Air Plan.

The Conservation and Open Space Element (COSE) of the General Plan contains significant work in the resource areas of air quality and mineral resources. Similar to the Clean Air Plan, COSE Goal AQ-1 states that "Per capita vehicle-miles-traveled countywide will be substantially reduced consistent with statewide targets." Policies that are listed under Goal AQ-1 do not address aggregate resources or recycling specifically. However, the discussion about how the Project is consistent with strategic growth principles remains true here as well.

Goal AQ-3 is that "state and federal ambient air quality standards will, at a minimum, be attained and maintained." The Project impact and cumulative impact on ambient air quality standards is discussed later. Policy AQ-3.2 contains a requirement to follow the CEQA Handbook which is used herein. AQ-3.7 requires reduced vehicle idling and specifically heavy duty vehicles such as those used by the Project. Consistent with CARB regulations, the Project will develop and follow an idling policy that limits idling to less than five (5) minutes. Policy AQ-3.8 calls for reducing dust emissions from unpaved and paved County roads. The Project will have a paved entry road that will be swept each operating day. Unpaved roads will be controlled by chemical dust suppressant augmented by watering to maintain a cohesive hard surface.

Table 9: Consistency with Applicable Plans

Description of Impact	Mitigation Measure	Residual Impact
Consistency with Clean Air Plan	None	No impact
Consistency with General Plan	1. Prepare and enforce an idling policy as required by CARB regulations and limit idling to less than five (5) minutes. 2. Control dust on paved roads by sweeping each operating day. 3. Control dust from unpaved roads by applying chemical dust suppressants and water to maintain a cohesive hard surface.	Less than significant after mitigation.

6.2 Comparison to Operational Emissions Thresholds

Project emissions are estimated in Table 10 for comparison to the mass-based thresholds in the CEQA Handbook.

Table 10: Unmitigated Operation Phase Emissions Comparisons

	Tons per Year		Pounds per Day			
	ROG + NOx	PM_{10} (Dust)	ROG +NOx	CO	PM_{10} (Dust)	DPM
Operating Emissions	38.9	13.9	708	1,366	156	16.4
Threshold	25	25	25	550	25	1.25
Significant Impact?	**Yes**	**No**	**Yes**	**Yes**	**Yes**	**Yes**

As shown in Table 10, unmitigated emissions exceed each of the thresholds except for the PM_{10} (Dust) tons per year threshold. The following standard mitigations are selected from Table 3-5 in the CEQA Handbook for implementation by the Project to the maximum extent feasible:

1. Provide shade tree planting in parking lots to reduce evaporative emissions from parked vehicles. Design should provide 50% tree coverage within 10 years of construction using low ROG emitting, low maintenance native drought resistant trees.
2. Pave and maintain the roads and parking areas.
3. Use of an APCD-approved suppressant on private unpaved roads leading to the site, unpaved driveways and parking areas; applied at a rate and frequency that ensures compliance with APCD Rule 401, visible emissions and ensures offsite nuisance impacts do not occur.
4. Provide employee lockers and showers. One shower and 5 lockers for every 25 employees are recommended.

5. Increase the building energy rating by 20% above Title 24 requirements. Measures used to reach the 20% rating cannot be double counted.
6. Plant drought tolerant, native shade trees along southern exposures of buildings to reduce energy used to cool buildings in summer.
7. Utilize green building materials (materials which are resource efficient, recycled, and sustainable) available locally if possible.
8. Install high efficiency heating and cooling systems.
9. Orient 75 percent or more of homes and/or buildings to be aligned north / south to reduce energy used to cool buildings in summer.
10. Design building to include roof overhangs that are sufficient to block the high summer sun, but not the lower winter sun, from penetrating south facing windows (passive solar design).
11. Utilize high efficiency gas or solar water heaters.
12. Utilize built-in energy efficient appliances (i.e. Energy Star®).
13. Utilize double-paned windows.
14. Utilize energy efficient interior lighting.
15. Install door sweeps and weather stripping (if more efficient doors and windows are not available).
16. Install energy-reducing programmable thermostats.
17. Use roofing material with a solar reflectance values meeting the EPA/DOE Energy Star® rating to reduce summer cooling needs.
18. Utilize onsite renewable energy systems (e.g., solar, wind, geothermal, low-impact hydro, biomass and bio-gas).
19. Use native plants that do not require watering and are low ROG emitting.
20. Provide and require the use of battery powered or electric landscape maintenance equipment for new development.
21. Use clean engine technologies (e.g., alternative fuel, electrification) engines that are not subject to regulations.
22. On-site eating, refrigeration and food vending facilities.
23. Implement compressed work schedules (i.e., 9–80s or 4–10s).
24. Include teleconferencing capabilities, such as web cams or satellite linkage, which will allow employees to attend meetings remotely without requiring them to travel out of the area.
25. Restrict operation to trucks with 2007 model year engines or newer trucks.
26. Implement a “No Idling” program for heavy-duty diesel vehicles, which includes signage, citations, etc.

Numbers 2, 3, and 26 are recommended with exception of paved parking area which is not feasible given the number of employees working at the site. According to APCD staff, Number 25 is not feasible. Number 1 and Numbers 4 through 24 are more applicable to residential/commercial development but are included for completeness and consideration. Other mitigations that may be applied to the Project are from the standard mitigations applied to construction activities including:

27. Reduce the amount of disturbed area where possible.
28. Use water trucks or sprinkler systems in sufficient quantities to prevent airborne dust from leaving the site. An adequate water supply source must be identified. Increased watering frequency would be required whenever wind speeds exceed 15 mph. Reclaimed (non-potable) water should be used whenever possible.
29. Stockpile areas should be sprayed daily as needed, covered, or an APCD approved alternative method will be used.
30. Permanent dust control measures identified in the approved project revegetation and landscape plans (i.e. Reclamation Plan) should be implemented as soon as possible following completion of soil disturbance in an area.
31. Exposed ground areas that will be reworked at dates greater than one month after initial grading should be sown with a fast-germinating non-invasive grass seed and watered until vegetation is established.
32. Disturbed soil areas not subject to revegetation should be stabilized using approved chemical soil binders, jute netting, or other methods approved in advance by the APCD.
33. Roadways, driveways, etc. to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.
34. Vehicle speed shall be limited to 15 mph.
35. Trucks shall be covered or maintain at least two feet of freeboard (minimum vertical distance between top of load and top of trailer) in accordance with CVC Section 23114.
36. Sweep paved roads daily and upon discovery of spilled material on the paved road. Water sweepers with reclaimed water should be used where feasible.
37. Designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust off-site. The name and telephone number of such persons shall be provided to the APCD when operations commence.
38. Maintain all equipment in proper tune according to manufacturer's specifications.
39. Fuel off-road and portable diesel powered equipment with ARB certified motor vehicle diesel fuel (non-taxed version suitable for off-road).
40. Use diesel equipment meeting ARB's Tier 2 certified engines or leaner off-road heavy-duty diesel engines, and comply with the State Off-Road Vehicle Regulation.
41. On and off-road diesel equipment shall not idle for more than 5 minutes. Signs shall be posted in the designated queuing areas and/or job sites to remind drivers and operators of the 5 minute idling limit.
42. Diesel idling within 1,000 feet of sensitive receptors is not permitted.
43. Staging and queuing areas shall not be located within 1,000 feet of sensitive receptors.
44. Electrify equipment when feasible.
45. Substitute gasoline powered in place of diesel-powered equipment, where feasible.
46. Use alternatively fueled equipment on-site where feasible, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel.

Numbers 31 and 32 are not feasible in the context of mining and so a non-standard measure is recommended below. Additional information would be needed to determine feasibility of Numbers 44 through 46. Numbers 27 through 30 and 33 through 43 are feasible and recommended. The following non-standard mitigation measures are also recommended and incorporated in the assessment of mitigated emissions impacts:

47. Install a rumble grate immediately adjacent to the paved access road.
48. Replace ground cover in disturbed areas as quickly as possible. Disturbed surfaces shall be maintained in a stabilized condition using water or other chemical dust suppressant until ground cover is replaced.
49. Portable generators shall have PM emissions of 0.08 g/hp-hr or less.
50. Consistent with the State Off-Road Vehicle Regulation, the fleet of offroad equipment in operation at the Project site shall have average PM emissions equal to or less than the Tier 4 engine standard on or before the year 2024.

Table 11 presents Project operation phase emissions after implementing the mitigations. Mitigations that are quantified as design features of the Project include Numbers 2, 26, 28, 29, 30, 33 through 39, and 41 through 43, 47, and 48. Mitigations that are quantified and which represent the difference between unmitigated emissions (Table 10) and mitigated emissions (Table 11) include Number 3 which results in chemical dust suppression on unpaved roads, Numbers 40 and 49 which result in cleaner non-road engines at the start of the Project, and Number 50 which ensures compliance with existing regulations that further reduce non-road engine emissions regardless of whether CARB is granted the waiver from EPA (see Section 2.2.2). Emissions are presented with and without blasting. Blasting emissions are not well suited for evaluation using standard methods because the emissions are generated quickly and infrequently. Carbon monoxide emissions would be less than significant without blasting.

Table 11: Mitigated Operation Phase Emissions Comparisons

	Tons per Year			**Pounds per Day**		
	ROG + NOx	**PM_{10} (Dust)**	**ROG +NOx**	**CO**	**PM_{10} (Dust)**	**DPM**
Operating Emissions with Blasting	33.9	9.2	651	1,366	116	12.6
Operating Emissions without Blasting	31.3	9.1	396	361	108	12.6
Threshold	25	25	25	550	25	1.25
Significant Impact with Blasting?	**Yes**	**No**	**Yes**	**Yes**	**Yes**	**Yes**
Significant Impact without Blasting?	Yes	No	Yes	No	Yes	Yes

The results in Table 11 are overly conservative for a number of reasons. First, the results ignore the regional existing physical setting which includes a number of truck trips that would be reapportioned to the Project and instead assumes all truck trips are attributed to the Project (see Section 2.5). Second, the DPM comparison ignores the fact that cancer risk is evaluated on a long term exposure basis and there are regulations that phase in which control DPM in the next few years. The Project will be paying its fair share of mitigating regional effects on health risk from DPM by complying with the regulations. Consideration of these issues would change the tons per year ROG+NOx to less than significant and reduce the DPM emissions to within one pound per day of the threshold. Nevertheless, APCD instructions have been followed in making the significance determinations that are presented in Table 11.

6.3 Comparison to Air Quality Standards

A project will have a "potentially significant impact" on air quality if it "violates any air quality standard or contributes substantially to an existing or projected air quality violation." Project emissions have the potential to create localized "hot spots" if they result in concentrations greater than the applicable AAQS. The main criteria pollutants of concern for the Project are NO_2, PM_{10}, and $PM_{2.5}$. Ambient air quality standards for pollutants that are less of a concern are discussed first followed by modeling results for the criteria pollutants of concern.

CO AAQS exceedence is generally a concern at high volume vehicular intersections in urban areas that operate at level of service (LOS) D or worse and where CO is emitted into partially or completely enclosed spaces such as parking structures and garages. The CEQA Handbook indicates that CO modeling is only required where vehicle activity occurs within confined and semi-confined spaces. CO modeling is not required for the Project and the impact on CO AAQS is considered less than significant without mitigation.

SO_2 AAQS exceedences are normally a concern for facilities that burn coal or refine petroleum. Diesel fuel used by the Project will meet CARB specifications for sulfur content. Thus, impact of Project emissions on SO_2 AAQS attainment is considered less than significant without mitigation.

Emissions of the criteria pollutants of concern for the Project (i.e. NO_2, PM_{10}, $PM_{2.5}$) are modeled to predict concentrations at the off-site point of maximum impact (PMI). For Project sources that are close to the ground relative to the distance to the boundary, the PMIs are predicted at the property boundary. Table 9 shows additional impact assessment results from the air dispersion model that was prepared.

Table 12: Mitigated Concentration at Point of Maximum Impact

	Concentration at Off-Site Point of Maximum Impact (µg/m^3)					
	NO_2-1hr	**NO_2-Annual**	**PM_{10}-24hr**	**PM_{10}-Annual**	**$PM_{2.5}$-24hr**	**$PM_{2.5}$-Annual**
Modeled Concentration	1,289	38.3	57.1	4.74	17.1	1.37
Background (Atascadero)	97.9	17.1	49	20.5	28.5	9.2
Cumulative Concentration	1,386.9	55.4	106.1	25.24	45.6	10.57
Most Stringent AAQS	188	57	50	20	35	12
Significant?	**Yes**	**No**	**Yes**	**No**	**No**	**No**
Cumulatively Considerable	**Yes**	**No**	**Yes**	**Yes**	**Yes**	**No**
UTM Coordinates	**720936.38E, 3921219.75N**	**720911.94E, 3921222N**	**721026E, 3922047.5N**	**720887.5E, 3921224.5N**	**720960.81E, 3921217.25N**	**720911.94E, 3921222N**
Notes: 1994, 1995, and 1996 meteorological datasets were modeled and 1996 resulted in the highest impact. Therefore, this year was used to determine the impacts presented in this table. Similarly, the highest historical background concentration is shown. Blasting is excluded from the hourly NO_2 assessment based on the intermittent nature of the source, which is consistent with guidance in the EPA memo dated March 1, 2011.						

Results of criteria pollutant modeling show that the Project has the potential to cause exceedence of the hourly NO_2 AAQS and both periods of PM_{10} AAQS (i.e. daily and annual). The Project may also contribute to an exceedence of the daily $PM_{2.5}$ AAQS, but would not be sufficient to cause or contribute to an exceedence of the annual $PM_{2.5}$ AAQS.

6.4 Evaluation of Conditions that Apply to Certain Projects

TACs emitted from project operation consist mainly of those found in vehicle exhaust and, to a lesser extent, trace amounts of metals and silica found fugitive dust.

Table 13: Cancer Risk

Parameter	**R1**	**R2**	**R3**	**R4**	**R5**	**R6**	**R7**	**R8**
Unmitigated Cancer Risk [1]	4.66	4.84	0.87	6.0	0.92	9.3	17.3	8.67
Threshold [1]	10	10	10	10	10	10	10	10
Significant?	**No**	**No**	**No**	**No**	**No**	**No**	**Yes**	**Yes**
Mitigated Cancer Risk [1]	2.6	2.6	0.50	2.8	0.53	5.1	8.6	5.5
Significant?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

[1] Excess cancer cases per million people exposed.
Note: 1996 meteorological data is used for the unmitigated risk and mitigated risk is an average of model results for meteorological data from 1994, 1995, and 1996.

Table 14: Chronic Hazard Index

Parameter	**R1**	**R2**	**R3**	**R4**	**R5**	**R6**	**R7**	**R8**	**PMI**
Unmitigated Index	0.21	0.25	0.04	0.23	0.03	0.35	0.78	0.41	3.82
Threshold	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Significant?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**Yes**
Mitigated Index	0.07	0.07	0.01	0.09	0.02	0.17	0.31	0.14	0.69
Significant?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

Unmitigated and mitigated off-site PMI would be less than the risk at Grid Receptor 282 (UTM 720950.26 E, 3921250.01 N).

As shown in Table 14, Project mitigations will ensure that chronic hazard index (H.I.) is less than 1.0 at all locations outside the property boundary. Table 12 shows that the mitigated acute risk is less than the acute threshold of 1.0 H.I. at all locations outside the property boundary.

Table 15: Acute Hazard Index

Parameter	**R1**	**R2**	**R3**	**R4**	**R5**	**R6**	**R7**	**R8**	**PMI**[1]
Unmitigated Index	1.1	1.0	0.37	0.35	0.42	0.73	0.88	0.63	1.47
Threshold	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Significant?	**Yes**	**Yes**	**No**	**No**	**No**	**No**	**No**	**No**	**Yes**
Mitigated Index	0.75	0.75	0.28	0.27	0.33	0.52	0.58	0.44	0.99
Significant?	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**

[1] The unmitigated and mitigated acute risk PMIs occur at Grid Receptors 283 (UTM 721000.26 E, 3921250.01 N) and 555 (UTM 721300.26 E, 3921600.01 N), respectively.

6.5 Greenhouse Gases

GHG emissions impacts are cumulative in their effect. GHG emissions from Project activities are calculated based upon engine hours and size as presented in the air quality appendices to be 3,961 $MTCO_2e$/yr. Grid electricity would be used to power the scale house and pump water. The scale house would have minor electricity use as compared to the water pump which turns out to be a minor source of GHG emissions overall.

Water use would be up to 4,000 gallons per day for dust control, plus up to 1,000 gallons per day for reclamation irrigation and other use. For purposes of GHG emissions estimation, 5,000 gallons are conservatively assumed to be used for 250 operating days and total 1.25 MMgallons/year. It is assumed that the water will be pumped from a well on-site using an electric pump. Electricity used is estimated based on the CEC Public Interest Energy Research (PIER) Program report "Refining Estimates of Water-Related Energy Use in California" (Dec. 2006, CEC-500-2006-118). Electricity use is estimated to be 150 kWh/MG based on Table 4 of the CEC document and the fact that water will be supplied and conveyed (on-site) and would not be treated, or distributed by a publicly owned treatment works, or become wastewater that would require treatment. On this basis, Project electricity use is rounded up to 0.2 MWh/yr and GHG emissions are calculated to be less than 0.1 $MTCO_2e$/yr based on the eGRIDweb for the WECC California subregion.[3]

Table 16 presents the incremental change in GHG emissions resulting from the Project and compares it to the SCAQMD GHG screening threshold of 10,000 MTCO2e/yr.

[3] http://cfpub.epa.gov/egridweb/ghg.cfm

Table 16: GHG Emissions Impact Screening

	Emissions by Calendar Year ($MTCO_2e/yr$)
Fuel Use	3,961
Electricity Use	0.1
Incremental Change	**3,961**
Screening threshold	10,000
Exceeds Screening Threshold?	No

7.0 CUMULATIVE EFFECTS

Section 15065(a)(3) of the State CEQA Guidelines requires finding that a significant effect would occur if:

> *The project has possible environmental effects that are individually limited but cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.*

The Project is about a half mile in a crosswind direction from the existing Santa Margarita Mine. There are no receptors in between the two sites and the receptors that are most impacted by the Project would not be impacted by the Santa Margarita Mine or traffic originating at that mine. Furthermore, aggregate is a commodity that demonstrates inelastic demand and increased activity at one mine is likely to lead to the avoidance of activity elsewhere (see Section 2.5). Therefore, the cumulative effect of the Santa Margarita Mine and the Project on nearby receptors is considered to be de minimis and was not assessed.

In this study, background concentrations from the Atascadero community monitoring station are summed with modeled concentrations to estimate the cumulative effect of the Project NO_2, PM_{10}, and $PM_{2.5}$ emissions. The Atascadero monitoring station is expected to have higher concentrations of pollutants than the actual conditions at the site, which is located in a more rural area that is expected to have regional background concentrations more similar to those measured at the Nipomo Regional Park. Thus, the cumulative analysis of localized Project effects on AAQS is conservative. Results are shown in Table 12.

Regional effects of the Project are assessed using project-level thresholds that address cumulative impacts. Thus, the mass-based thresholds are the amount which would cause the Project to be cumulatively considerable. For instance, NOx and ROG each contribute to form ozone which is a cumulative effect. Thus, the NOx + ROG threshold is the amount above which the APCD believes a project would have a cumulatively considerable impact on ozone. PM_{10} exceedences also occur regionally due to cumulative emissions and poor wind conditions. Thus, the PM_{10} mass thresholds are similarly descriptive of cumulative effects. DPM is a ubiquitous pollutant that is targeted for reduction throughout the state. Both on-site and off-site emissions are summed for comparison to the DPM threshold (i.e. 1.25 lb/day). Thus, the DPM threshold reflects the APCD's attempt to curtail a regional, cumulative effect and so, like the NOx+ROG and PM_{10} thresholds, the DPM threshold is also considered the amount above which a project would be cumulatively considerable.

Lastly, with respect to haul truck emissions, the Project is attributed more than its fair share of future growth by attributing all related truck activity to the Project including trips that are already occurring in the baseline and trips carrying materials for recycle that already occur and will continue to occur with or without the Project.

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Special Report 215 (SR 215), "Update of Mineral Land Classification: Concrete Aggregate in the San Luis Obispo-Santa Barbara Production-Consumption Region, California," California Geological Survey, 2011.

Strategic Action Plan, San Luis Obispo County APCD, January 24, 2007. (http://www.slocleanair.org/images/cms/upload/files/who/pdf/SAP2007Update.pdf)

Appendix A: Figures

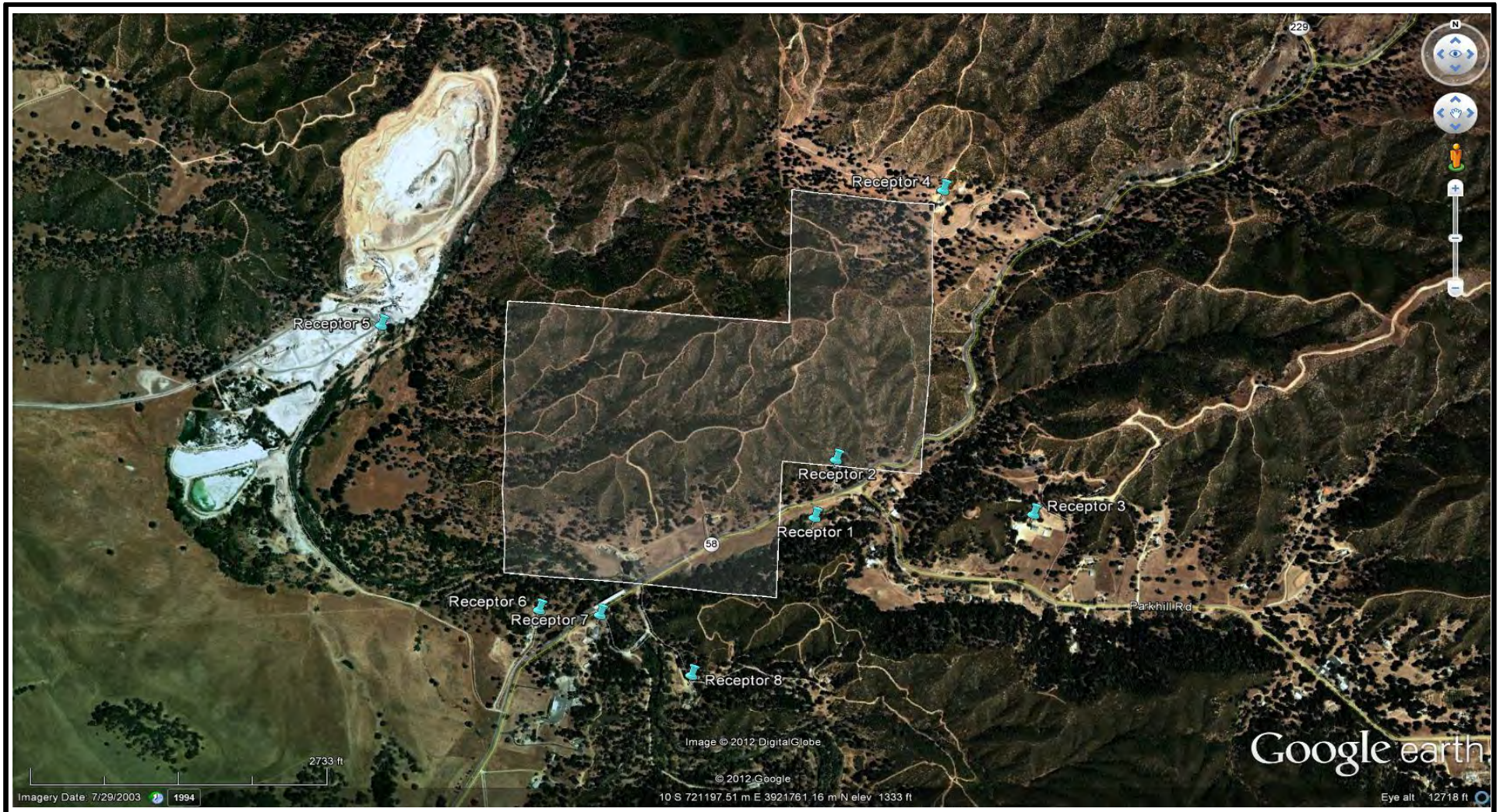
Source: California Geological Survey Special Report 215

N

⊗ Existing Aggregate Mines
Creston
Rocky Canyon
Santa Margarita
Navajo

SESPE CONSULTING, INC.

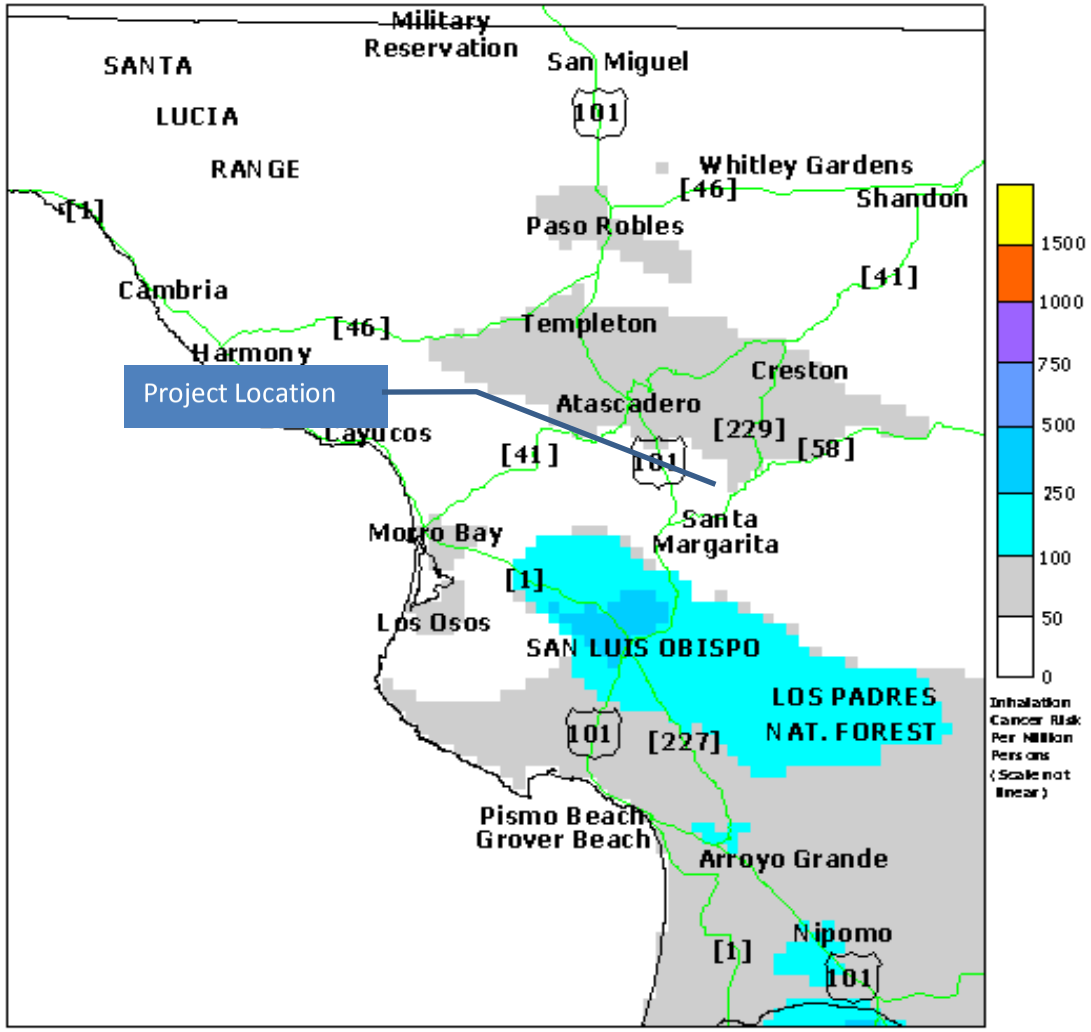
FIGURE 1	SITE LOCATION MAP Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	4/26/12
SCALE:	as shown	DRAWN BY:	SDC



N

SESPE CONSULTING, INC.

FIGURE 2	SITE AERIAL Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	8/17/11
SCALE:	NEED THIS !!!	DRAWN BY:	SDC



See ARB web site list of sources not yet included in risk.
ARB:EIB:SRF 6/20/2004

SESPE CONSULTING, INC.

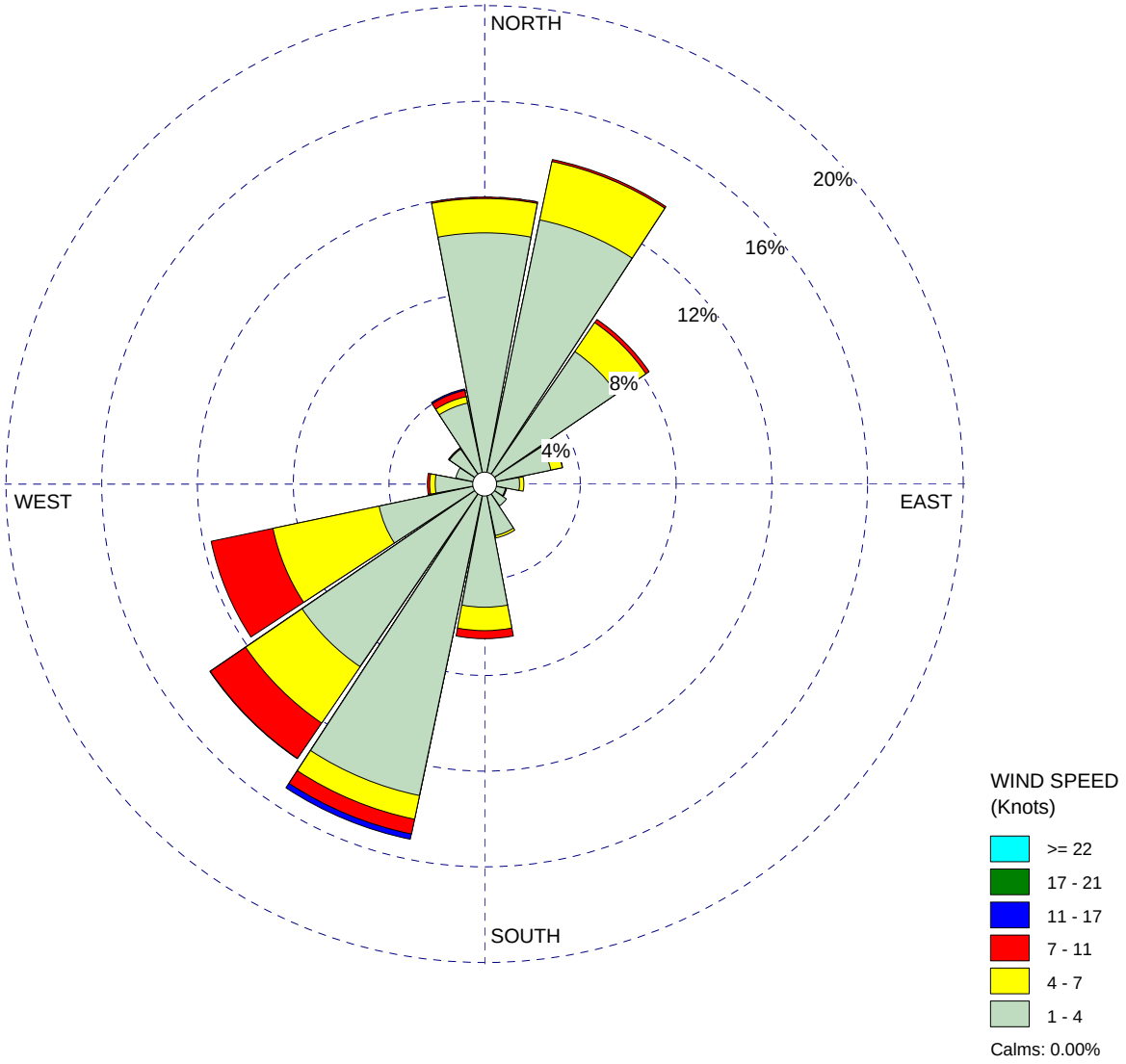
FIGURE 3	2001 Regional Cancer Risk Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	4/26/12
SCALE:	as shown	DRAWN BY:	SDC

WIND ROSE PLOT:

1996 Windrose
Atascadero Station

DISPLAY:

Wind Speed
Direction (blowing from)

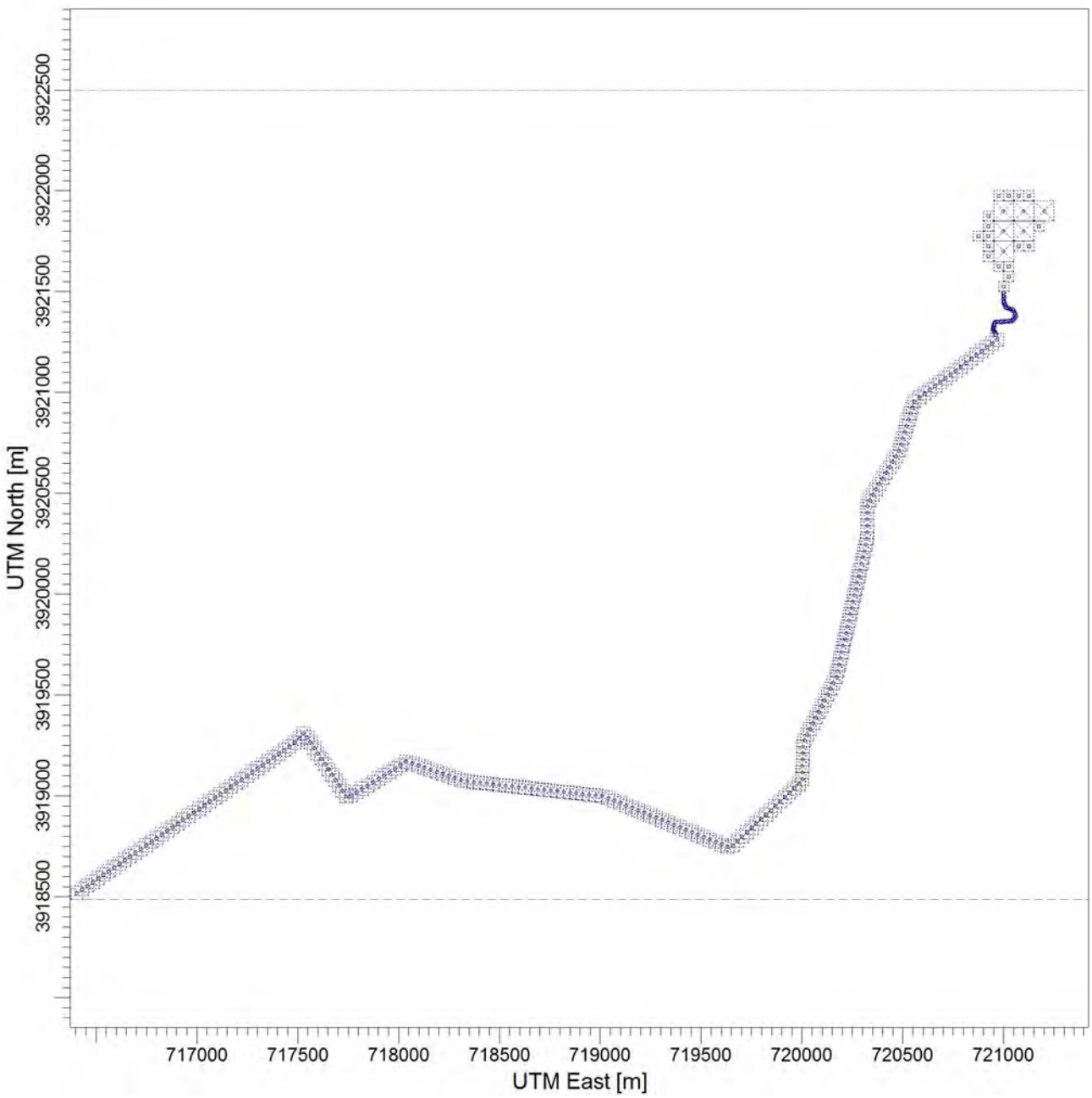


COMMENTS:	DATA PERIOD:		
FIGURE 4	**Start Date: 1/1/1996 - 00:00** **End Date: 12/31/1996 - 23:00**	**Las Pilitas Quarry Project**	
		MODELER: **SDC**	SESPE CONSULTING, INC.
	CALM WINDS: **0.00%**	TOTAL COUNT: **8784 hrs.**	
	AVG. WIND SPEED: **3.12 Knots**	DATE: **4/27/2012**	PROJECT NO.: **UR01.11.03**

WRPLOT View - Lakes Environmental Software

PROJECT TITLE:

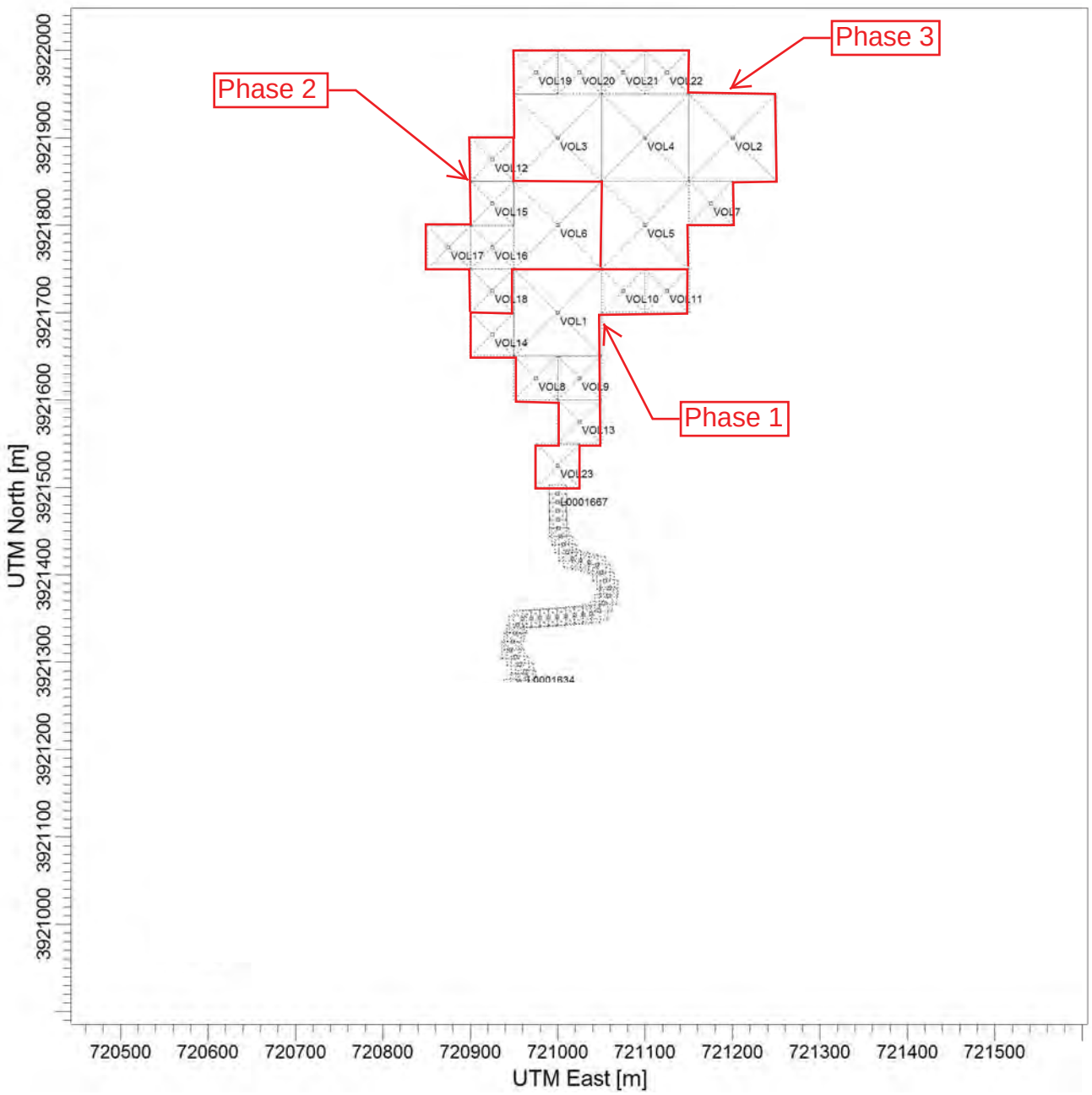
Modeled Sources
Las Pilitas Quarry



COMMENTS:	SOURCES:	Figure 5	
Cancer risk model uses all sources and criteria models use only on-site sources in the area of Phase 1.	**270**		
	RECEPTORS: **1178**	MODELER: **SDC**	SESPE CONSULTING, INC.
		SCALE: 1:31,758 0 1 km	
		DATE: **12/21/2012**	PROJECT NO.: **UR01**

PROJECT TITLE:

Modeled Sources
Las Pilitas Quarry



COMMENTS:	SOURCES:	Figure 6	
Cancer risk model uses all sources and criteria models use only on-site sources in the area of Phase 1.	RECEPTORS:	MODELER: **SDC**	SESPE CONSULTING, INC.
		SCALE: 1:7,315 0 0.2 km	
		DATE: **4/26/2012**	PROJECT NO.: **UR01**

AERMOD View - Lakes Environmental Software

C:\z_AERMOD\LasPilitas\HRA-1996\HRA-1996.isc

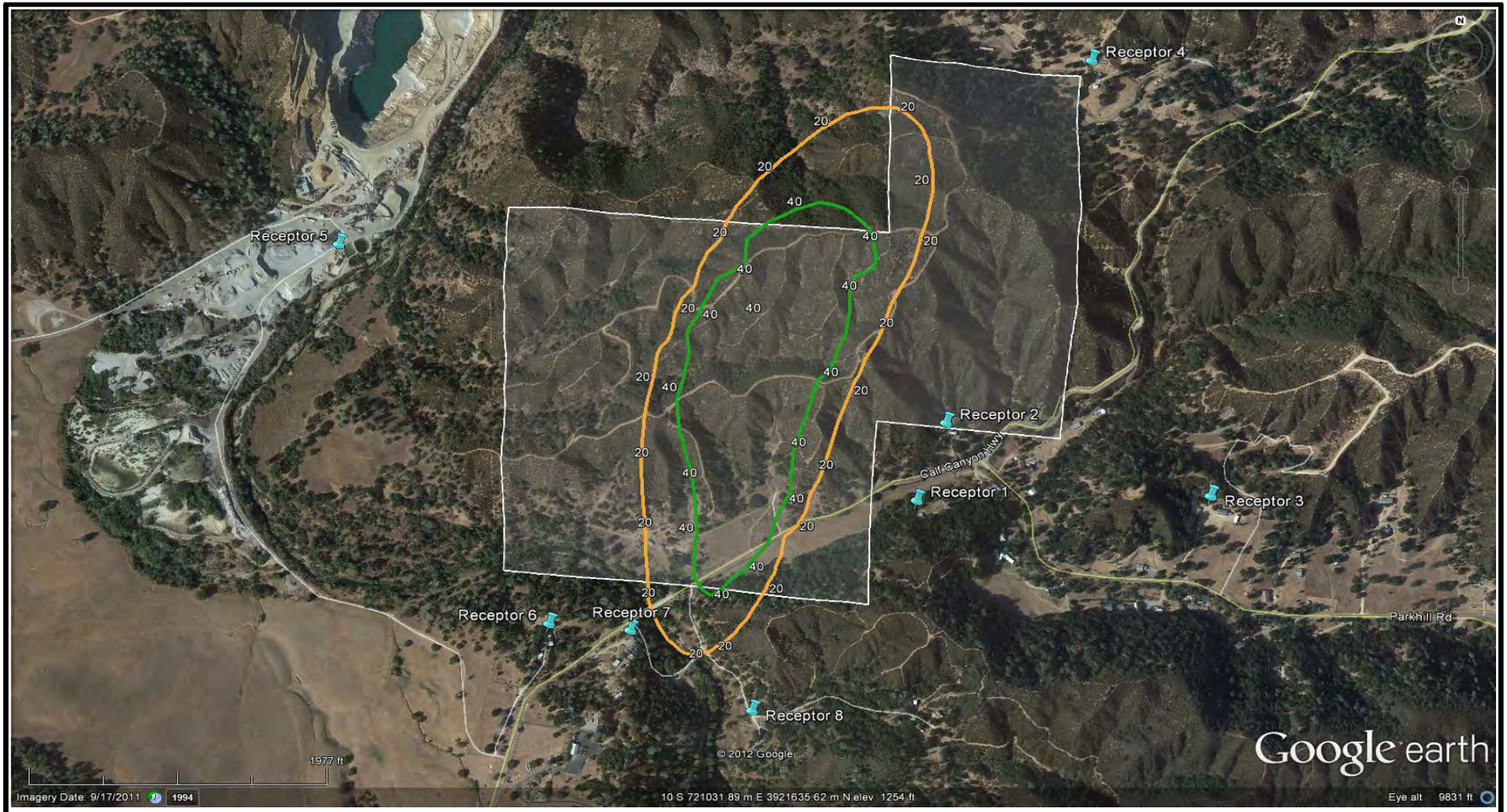


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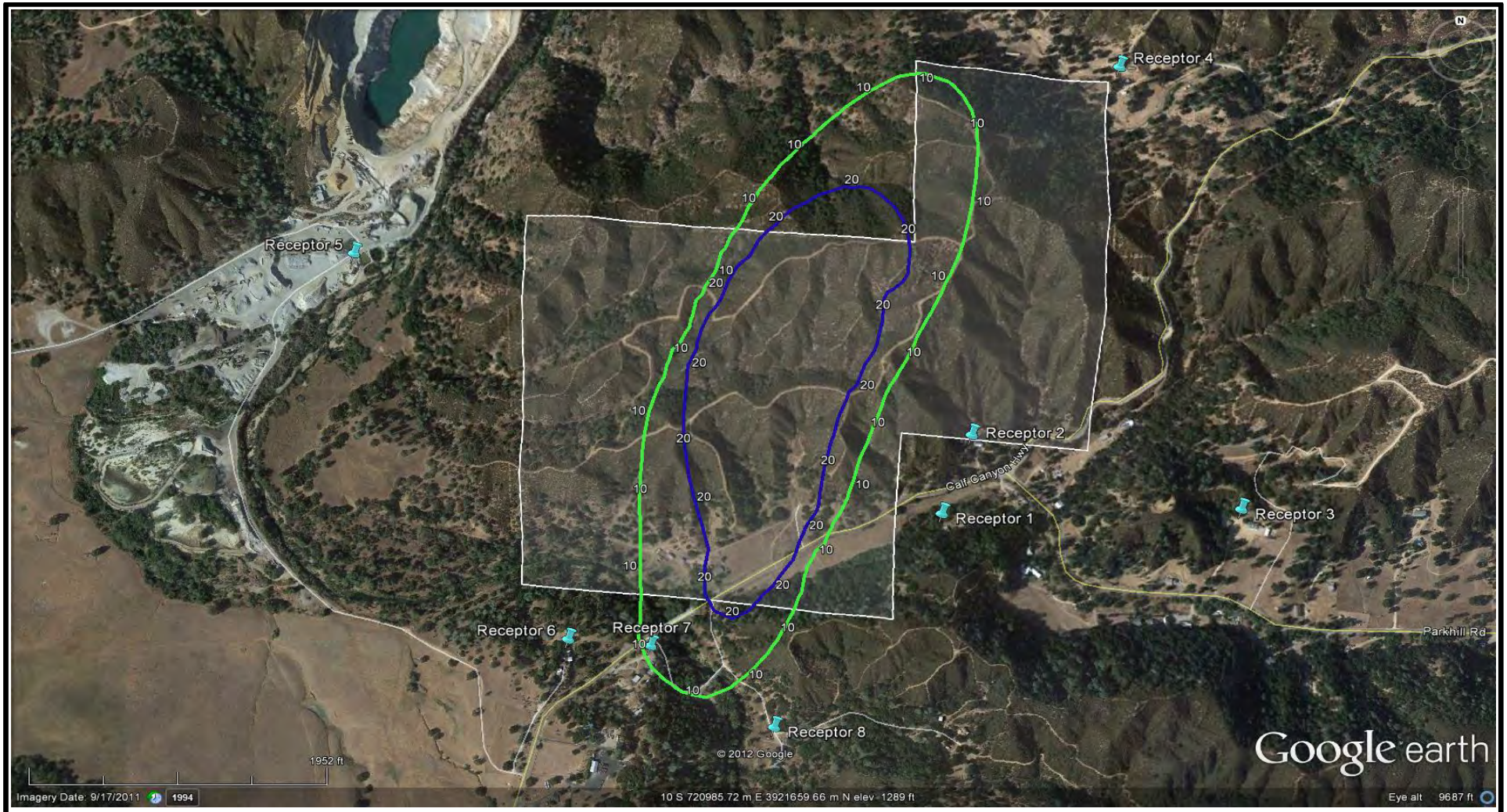
FIGURE 7	**Unmitigated Cancer Risk** Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	12/21/2012
SCALE:	as shown	DRAWN BY:	SDC



SESPE CONSULTING, INC.

FIGURE 8	Mitigated Cancer Risk Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	12/21/2012
SCALE:	as shown	DRAWN BY:	SDC

Maximum risk is 1.9 in 1 million.

SESPE CONSULTING, INC.

FIGURE 9	Santa Margarita Cancer Risk Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	12/21/2012
SCALE:	as shown	DRAWN BY:	SDC

SESPE CONSULTING, INC.

FIGURE 10	Mitigated Chronic Risk Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	12/21/2012
SCALE:	as shown	DRAWN BY:	SDC

SESPE CONSULTING, INC.

FIGURE 11	Mitigated Acute Risk Oster Quarry Project County of San Luis Obispo		
PROJECT #:	UR01.11.01	DATE:	12/21/2012
SCALE:	as shown	DRAWN BY:	SDC

Appendix B: Setting

Ozone

Ozone (O_3), a major ingredient of smog, is a highly reactive and unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through complex reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Key pollutants involved in ozone formation are hydrocarbons (i.e. volatile organic compounds, VOC) and nitrogen oxide gases (i.e. NOx).

Exposure to levels of ozone above ambient air quality standard can lead to human health effects such as lung inflammation and tissue damage and impaired lung function. Ozone exposure is also associated with symptoms such as coughing, chest tightness, shortness of breath, and the worsening of asthma symptoms. The greatest risk of harmful health effects from ozone belongs to outdoor workers, athletes, children and others who spend greater amounts of time outdoors during smoggy periods. Elevated ozone levels can reduce crop and timber yields, as well as damage native plants. Ozone can also damage materials such as rubber, fabrics and plastics.

Nitrogen Dioxide

Nitrogen dioxide (NO_2) is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract. This pollutant is also an essential ingredient in the formation of ground-level ozone pollution. NO_2 is one of the nitrogen oxides (NOx) emitted from high-temperature combustion processes, such as those occurring in trucks, cars and power plants. In the presence of sunlight, complex reactions of nitrogen oxides with ozone and other air pollutants produce the majority of NO_2 in the atmosphere. Indoors, home heaters and gas stoves produce substantial amounts of NO_2.

Exposure to NO_2, along with other traffic-related pollutants, is associated with respiratory symptoms, episodes of respiratory illness and impaired lung functioning. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to NO_2 above the state air quality standard. Clinical studies of human subjects suggest that NO_2 exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children.

Sulfur Dioxide

Sulfur dioxide (SO_2) is a gaseous compound of sulfur and oxygen. SO_2 is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment. SO_2 is also emitted from several industrial processes, such as petroleum refining and metal processing.

Effects from SO_2 exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of SO_2 results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality.

Carbon Monoxide

Carbon monoxide (CO) is a colorless, odorless gas. It results from the incomplete combustion of carbon-containing fuels such as gasoline or wood, and is emitted by a wide variety of combustion sources.

CO interferes with the blood's ability to carry oxygen. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. Exposure to CO is especially harmful to those with heart disease, because the heart has to pump harder to get sufficient oxygen to all parts

of the body. CO exposure has been associated with aggravation of angina pectoris and other aspects of coronary heart disease, decreased exercise tolerance in people with peripheral vascular disease and lung disease, impairment of central nervous system functions, and possible increased risk to fetuses. At high altitudes (such as in the Lake Tahoe Air Basin), these effects are worsened.

Particulate Matter

The main pollutant generated by mining activities is suspended particulate matter. Emissions of suspended particulates that cannot be collected and discharged through a stack are considered fugitive. Fugitive dust is primarily a concern during construction processes such as excavation and grading which disturb earthen materials. In addition, diesel exhaust contains particulates that are considered a toxic air contaminant (TAC) which would also be present during mining and contribute to total particulate matter levels.

PM_{10} and $PM_{2.5}$ consist of suspended particulate matter that is 10 microns or less in diameter and 2.5 microns or less in diameter, respectively. (A micron is one-millionth of a meter.) $PM_{2.5}$ is a subset of PM_{10} and, therefore, is incorporated by reference in any mention of PM_{10}. Fugitive dust from roadways, construction operations and mining is a common source of PM_{10}. A common source of $PM_{2.5}$ is diesel engine emissions. PM_{10} and $PM_{2.5}$ can remain in the atmosphere for up to seven days before gravitational settling, rainout, and washout remove it. The portion of fugitive dust that is visible to the naked eye, is larger than PM_{10} (i.e. PM_{10} cannot be seen by the unaided eye) and most visible dust will fall out of the atmosphere within 1,000-feet of the source.

Toxic Air Contaminants

Toxic air contaminants (TACs) are pollutants listed by the State of California that pose acute, chronic, and/or cancer health risks to exposed individuals. Hazardous air pollutants (HAP) are a subset of the TAC list which identified by US EPA. Specific health risks from TACs vary widely by constituent. Diesel particulate matter (DPM) is the main TAC of concern for mining projects because it represents greater health risk at lower concentrations than other TACs that may be present (i.e. crystalline silica, naturally occurring asbestos, and earth metals in fugitive dust).

Non-cancer exposure limits to TAC / HAP are expressed in Reference Exposure Limits (REL). Regarding non-cancer risks OEHHA states:

> *It should be emphasized that exceeding the acute or chronic REL does not necessarily indicate that an adverse health impact will occur. However, levels of exposure above the REL have an increasing but undefined probability of resulting in an adverse health impact, particularly in sensitive individuals (e.g., depending on the toxicant, the very young, the elderly, pregnant women, and those with acute or chronic illnesses). The significance of exceeding the REL is dependent on the seriousness of the health endpoint, the strength and interpretation of the health studies, the magnitude of combined safety factors, and other considerations.* (Page 6-1, OEHHA HRA Guidelines, August 2003).

With respect to non-cancer effects of diesel exhaust in particular, the CARB Scientific Review Panel states:

> *The available data from studies of humans exposed to diesel exhaust are not sufficient for deriving an acute non-cancer health risk guidance value. While the lung is a major target organ for diesel exhaust, studies of the gross respiratory effects of diesel exhaust in exposed workers have not provided sufficient exposure information to establish a short-term non-cancer health risk guidance value for respiratory effects….*
>
> *The available literature does not provide sufficient information to determine whether or not diesel exhaust exposure induces reproductive, developmental or teratogenic effects in humans.*

> *Occupational studies showed that the removal of diesel exhaust particles from workplace air improved the pulmonary function of workers. In miners, long-term studies have provided limited evidence of greater incidence of cough and phlegm among those exposed to diesel exhaust than among those not exposed. Most of the epidemiologic studies did not find an excess of chronic respiratory disease associated with diesel exhaust. These studies all had limitations, such as small number of subjects, limited exposure information, and insensitive measures, which clearly reduced their ability to detect adverse effects. The available data from studies of humans exposed to diesel exhaust are not sufficient for deriving a long-term non-cancer health risk guidance value.*
>
> *Animal data indicate that chronic respiratory disease can result from long-term exposure to diesel exhaust. In rats, laboratory studies have shown that exposure to diesel exhaust can decrease resistance to infection and increase chronic inflammation. Rats, mice, rabbits, guinea pigs, and other primates all exhibit significant adverse pulmonary noncarcinogenic effects from long-term exposures to diesel exhaust. Based on the animal studies, the U.S. EPA determined a chronic inhalation Reference Concentration value of 5 micrograms per cubic meter for noncancer effects of diesel exhaust. A U.S. EPA Reference Concentration or California Reference Exposure Level (REL) of a chemical is an estimate, with uncertainty spanning perhaps an order of magnitude, of the air concentration below which no noncancer adverse health effects are likely to occur from lifetime exposure. This estimate takes into consideration persons who may be more sensitive than others to the effects of the chemical. The report provides a range of estimated threshold levels for non-cancer effects which support the recommendation of 5 micrograms per cubic meter as the California REL. (Page ES-16, "Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant," CARB, April 22, 1998.)*

Regarding cancer risk from diesel exhaust, OEHHA states:

> *Diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde and nickel) have the potential to contribute to mutations in cells that can lead to cancer. In fact, long-term exposure to diesel exhaust particles poses the highest cancer risk of any toxic air contaminant evaluated by OEHHA. ARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.*

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, ARB estimates that diesel-particle levels measured in California's air in 2000 could cause 540 "excess" cancers (beyond what would occur if there were no diesel particles in the air) in a population of 1 million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust that are similar to those developed by OEHHA and ARB. (Health Effects of Diesel Exhaust - A fact sheet by Cal/EPA's Office of Environmental Health Hazard Assessment and the American Lung Association.")

Long term risk from diesel exhaust is expressed by CARB based upon the particulate matter emissions. However, organic components of diesel exhaust also include TACs that can have acute effects. Organic components include acrolein, formaldehyde, and several types of polynuclear aromatic hydrocarbons (PAHs) among others.

TACs are present in trace quantities within the fugitive dust. The quarry emits mostly natural crustal material and so the amount of trace elements should be low as compared to other source of dust (e.g. construction, industrial processes). Specifically, earth metals (e.g. arsenic, cadmium, chromium, copper, lead, nickel, selenium, vanadium) are listed TACs. Similarly, asbestos and crystalline silica are found in some geologic formations.

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.075 ppm (147 µg/m^3)		
Respirable Particulate Matter (PM10)	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	15 µg/m^3		
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[8]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[9]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[9]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[9]	—	
Lead[10,11]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[11]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[12]	8 Hour	See footnote 12	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[10]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page …

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national standards are in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standards of 53 ppb and 100 ppb are identical to 0.053 ppm and 0.100 ppm, respectively.

9. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

   Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

10. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

11. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

12. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

DIESEL EXHAUST

Diesel exhaust is currently in the identification phase as a proposed Toxic Air Contaminant under California's air toxics program (AB 1807). A draft document published in May, 1997 is available.

CAS Registry Number: N/A

Molecular Formula: N/A

Diesel exhaust is a complex mixture of gases, vapors, and fine particles. Some of the exhaust components, like arsenic, benzene and nickel, are known to cause cancer in humans. At least 40 other components, including suspected human carcinogens benzo[a]pyrene, 1,3-butadiene and formaldehyde, are listed by the United States Environmental Protection Agency (U.S. EPA) as hazardous air pollutants and the Air Resources Board (ARB) as toxic air contaminants (see Table 1). Diesel Exhaust also contains carbon monoxide, oxides of nitrogen, sulfur dioxide, hydrocarbons, particulate matter (PM), aldehydes, ketones, sulfates, cyanides, phenols, ammonia, and metals. Some of these substances can result from unburned fuel and lubricating oil components, products of incomplete combustion, or a result of engine wear or trace contaminants (Volkswagen, 1989).

In this substance review, California's population exposure to diesel exhaust PM is discussed in more detail because more is known about the PM fraction, and most researchers believe that the diesel exhaust particles contribute the majority of the risk from exposures to diesel exhaust.

Diesel exhaust particles carry many of the harmful organics and metals present in the exhaust. Typical diesel exhaust particles have mass-median aerodynamic diameters ranging from 0.1 to 0.25 micrometers (μm) (Groblicki and Begeman, 1979; Dolan et al., 1980; NRC, 1982; Williams, 1982). More than 75 percent of the particles are smaller than 1 μm (Pierson et al., 1983) and are mainly aggregates of spherical elemental carbon particles coated with organic and inorganic substances. The particles have a sponge-like structure and large surface area which attracts compounds of low volatility to the inside or surface of the particles. The primary organic compounds associated with the particles include aliphatic hydrocarbons, polycyclic aromatic hydrocarbons (PAH), and PAH-derivatives (Zielinska, 1990). Methylated PAHs appear to be the most abundant PAH derivatives and more than 50 nitro-PAHs have been identified in diesel exhaust (ARB, 1997d).

TABLE 1 - TOXIC AIR CONTAMINANTS FOUND IN DIESEL EXHAUST*

acetaldehyde	chlorine	methyl ethyl ketone
acrolein	chlorobenzene	naphthalene
aluminum	chromium compounds	nickel
ammonia	cobalt compounds	4-nitrobiphenyl
aniline	copper	phenol
antimony compounds	cresol	phosphorus
arsenic	cyanide compounds	**POM (including PAHs)
barium	dibenzofuran	propionaldehyde
benzene	dibutylphthalate	selenium compounds
beryllium compounds	ethyl benzene	silver
biphenyl	formaldehyde	styrene
bis [2-ethylhexyl]phthalate	hexane	sulfuric acid
bromine	lead compounds	toluene
1,3-butadiene	manganese compounds	xylene isomers and mixtures
cadmium	mercury compounds	zinc
chlorinated dioxins	methanol	

(ARB, 1997d)

* This list of toxic air contaminants have either been identified in diesel exhaust, or presumed to be in the exhaust based on observed chemical reactions and/or presence in the fuel or oil.

** See Polycyclic Organic Matter (POM) Fact Sheet.

SOURCES AND EMISSIONS

A. Sources

Diesel exhaust PM emissions can be emitted from mobile sources (on-road vehicles and off-road mobile sources), stationary area sources, and stationary point sources. On-road diesel vehicles contribute approximately 59 percent of California's diesel exhaust PM. Other mobile sources contribute about 36 percent, and stationary area and point sources contribute the remaining amount. Stationary area sources of diesel exhaust include shipyards, warehouses, heavy equipment repair yards, and oil and gas production operations where exhaust emissions result from multiple locations within the site (ARB, 1997d). The primary stationary sources that have reported emissions of diesel exhaust are heavy construction (except highway), electrical services, and crude petroleum and natural gas extraction (ARB, 1997b).

B. Emissions

The total emissions of diesel exhaust from stationary sources in California are estimated to be at least 31,000 pounds per year, based on data reported under the Air Toxics “Hot Spots” Program (AB 2588) (ARB, 1997b). Also, based on the ARB 1990 emissions inventory, approximately 58,000 tons of diesel exhaust PM_{10} from all sources are emitted into California air each year (ARB, 1997d).

Emissions from on-road mobile source diesel exhaust PM_{10} in California are expected to decline by approximately 50 percent from 1990 until about 2010 as a result of mobile source standards and regulations already adopted by the ARB through 1996. The expected reduction is mainly due to adopted diesel vehicle emission and fuel regulations, even though both the number and vehicle miles traveled (VMT) of heavy-duty trucks are expected to increase during this period. Similarly, NO_x emissions from on-road diesel vehicles have been reduced since 1990, and will continue to be reduced through 2010 because of new NO_x engine emission standards (ARB, 1997d).

C. Natural Occurrence

Diesel exhaust is a product of diesel fuel combustion and does not occur naturally in the environment.

AMBIENT CONCENTRATIONS

The ARB has conducted a preliminary estimation of diesel exhaust concentrations for California's 15 air basins using a PM-based exposure method. This method used the ARB emissions inventory's database for particulate matter 10 microns or smaller (PM_{10}); ambient PM_{10} monitoring network data; and the results from several studies where chemical speciation of ambient data was performed, along with receptor modeling techniques to estimate statewide outdoor concentrations of diesel exhaust PM_{10}. The statewide population-weighted average diesel exhaust PM concentration is estimated to be 3.2 micrograms per cubic meter ($\mu g/m^3$). The basin-wide average diesel exhaust PM estimates ranged from 0.3 (in the Great Basin Valley) to 3.6 $\mu g/m^3$ (in the South Coast Air Basin) (ARB, 1997d).

INDOOR SOURCES AND CONCENTRATIONS

To estimate Californians' exposures to diesel exhaust particles, ARB staff used estimates of population-weighted ambient diesel exhaust particle concentrations in a model that can estimate indoor air concentrations, population indoor air exposure, and total air exposure. The model, called the California Population Indoor Exposure Model (CPIEM), was recently developed under contract to the ARB to improve estimates of population exposures to toxic air pollutants. The model uses relevant data (such as distributions of California building air exchange rates, activity patterns data, and air concentrations of diesel exhaust particles) as inputs to develop indoor concentration estimates across all environments.

The average indoor exhaust particle concentrations estimated by the model ranged from 1.7 $\mu g/m^3$, in office buildings to 3.2 $\mu g/m^3$ in industrial plants and inside vehicles. These estimates were combined with activity pattern data in the model to estimate Californians' exposures across all enclosed environments. The exposure modeling results indicate that Californians were exposed to average diesel exhaust particle concentrations of 2.1 $\mu g/m^3$ in enclosed environments in 1990. This is two-thirds of the population-weighted ambient average outdoor diesel exhaust PM_{10} concentration (ARB, 1997d).

ATMOSPHERIC PERSISTENCE

Physical removal of diesel exhaust PM from the atmosphere is usually accomplished through accretion of the particles, atmospheric fall-out (dry deposition), and atmospheric removal by rain (wet deposition). The particles, generally smaller than 1 μm, are expected to remain in the atmosphere from 5 to 15 days (Pierson et al., 1983; Balkanski et al., 1993).

AB 2588 RISK ASSESSMENT INFORMATION

Although diesel exhaust is reported as being emitted in California from stationary sources, no health values (cancer or non-cancer) are listed in the California Air Pollution Control Officers Association Air Toxics "Hot Spots" Program Revised 1992 Risk Assessment Guidelines for use in risk assessments (CAPCOA, 1993).

HEALTH EFFECTS

The probable route of human exposure to diesel exhaust is inhalation (ARB, 1994b).

Non-Cancer: Non-cancer effects of diesel exhaust are likely due to the presence of particles in the exhaust (WHO, 1994). A Recent study has reported that exposures to airborne respirable particulate matter are associated with increased morbidity and mortality, with observed effects including respiratory symptoms, changes in lung function, and increased hospitalizations for respiratory and cardiovascular disease (Pope et al., 1995a). Cellular changes upon exposure to particles include an accumulation of particle-laden macrophages and proliferation of bronchiolar epithelium of type II alveolar cells. Studies by Ulfvarson and coworkers (in 1990 and 1991) showed pulmonary function increases after a workshift during which diesel exhaust was removed from the work environment (Ulfvarson et al., 1990; 1991).

In June of 1993, the U.S. EPA determined an inhalation Reference Concentration (RfC) of 5 $\mu g/m^3$ for non-cancer effects of diesel exhaust. The U.S. EPA estimates that inhalation of this concentration or less, over a lifetime, would not likely result in the occurrence of chronic non-cancer effects (ARB, 1997d).

The available literature does not provide sufficient information to determine whether or not diesel exhaust exposure induces reproductive, developmental or teratogenic effects in humans. Exposure via inhalation did not induce sperm abnormalities nor affect spermatogonial survival in mice and monkeys though sperm anomalies have been observed in hamsters. Data on the effects of diesel exhaust on female reproductive capacity are limited, but potential effects on the corpora lutea and mating period have been suggested for laboratory rodents. Rats born to dams exposed to high concentrations of diesel exhaust had delayed ossification of the chest. Exposure during the neonatal developmental period of rodents induces neurobehavioral and neurophysiological effects, but does not affect general lung development. Generational studies conducted in rodents revealed that inhalation exposure to diesel exhaust resulted in increases in lung weight in all generations examined (ARB 1997d).

Cancer: Epidemiological studies in truck drivers, transport and equipment workers, dock workers, and railway workers, reported a statistically significant increase in the incidence of lung cancer associated with exposure to diesel exhaust. Two studies reported no category with a risk ratio elevated for exposure to diesel exhaust (ARB, 1997d; HEI, 1995).

In the last decade, results of inhalation bioassays of rodents have demonstrated the carcinogenicity of diesel exhaust. Seven studies in rats exposed to greater than 2 milligrams per cubic meter (mg/m^3) of whole diesel exhaust longer than 24 months, reported statistically significant increases in lung tumors (ARB, 1994b; Heinrich, 1995; Nikula, 1995). An exposure of 2.0 mg/m^3 compromises the clearance capacity of the rat lung. Studies of other rodents have been less extensive. The results in mice were mixed, depending on the strain. All three studies in hamsters were negative (ARB, 1997d).

The International Agency for Research on Cancer (IARC) concluded in 1989 that there is sufficient evidence that whole diesel engine exhaust probably causes cancer in humans and classified diesel exhaust in Group 2A: Probable human carcinogen (IARC, 1989a). The National Institute of Occupational Health and Safety recommended that whole diesel exhaust be regarded as a potential occupational carcinogen (NIOSH, 1988). The Office of Environmental Health Hazard Assessment is in the process of evaluating diesel exhaust as a potential toxic air contaminant (ARB, 1997d). The U.S. EPA is currently in the process of developing a health assessment for diesel exhaust; their first draft was released December 1995. The State of California has determined under Proposition 65 that diesel engine exhaust is a carcinogen (CCR, 1996).

Diesel exhaust is currently in the identification phase as a proposed Toxic Air Contaminant under California's air toxics program (AB 1807). The first draft report was released in June 1994 for a six month comment period. A workshop was held in September 1994 to discuss the draft report. To further our understanding of the human health effects of diesel exhaust, the Office of Environmental Health Hazard Assessment, Health Effects Institute, World Health Organization, National Institute of Occupational Safety and Health, United States Environmental Protection Agency, and the ARB sponsored a scientific workshop to discuss the use of epidemiological data in developing quantitative cancer risk estimates for diesel exhaust. The workshop was held on January 29-30, 1996 in San Francisco.

MEMORANDUM

SESPE CONSULTING, INC.

468 Poli Street, Suite 2E• Ventura, California 93001

Date: October 28, 2011

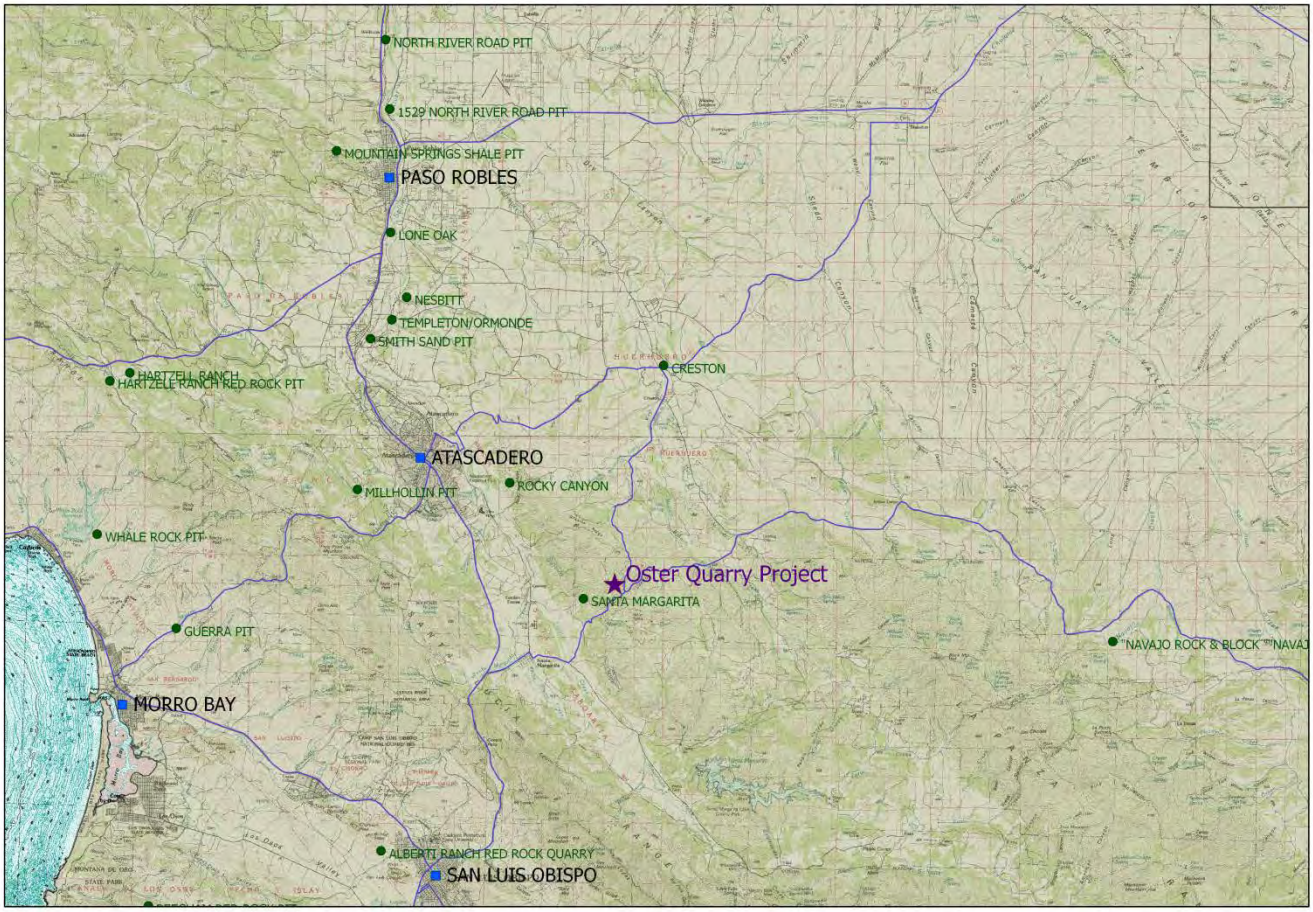
To: JAH, JLK

From: SDC

Re: Oster Quarry Market and Haul Truck Emissions

The aggregate market in the region of the proposed Oster Quarry ("Project") was researched in order to evaluate how operation of the Project would affect supply and demand for aggregate in the region. The Oster Quarry Target Market Area is shown in Figure 1 and consists mainly of U.S. Highway 101 corridor between the City of San Luis Obispo and the northern County line.

Figure 1: Oster Quarry Market Area



Note: Green circles represent mines in 2009 Mine Database from Office of Mine Reclamation.

Supply

The State of California Geological Survey (CGS) identifies mineral resources and forecasts future demand for aggregate in "mineral land classification" reports. Mineral land classification reports are the main resources used by planners and decision makers to manage land-use within their region. Special Report 162 (SR 162) describes aggregate resources availability and demand within the San Luis Obispo-Santa Barbara Production-Consumption (P-C) Region (CGS, 1989). A P-C region is one or more aggregate production districts (a group of producing aggregate mines) and the market area they serve.

Sectors are areas that have been classified as Mineral Resource Zone 2 (MRZ-2) for Portland cement concrete (PCC) grade aggregate and have been designated as a Regionally Significant Construction Aggregate Resource Area by the State Mining and Geology Board (SMGB). The Project is located in Sector C – La Panza Granitics. Notable quotations from SR 162 include:

> "The San Luis Obispo – Santa Barbara Production-Consumption (P-C) Region covers approximately 2,062 square miles and includes the urbanizing portions of San Luis Obispo and Santa Barbara counties. In any urbanizing region it is important that land-use decisions be made with full recognition of the local natural resources. Mineral resources including construction aggregate are limited within a given region. This is especially true of Portland cement concrete (PCC) aggregate resources, an indispensable, high-grade construction aggregate which is costly to transport." (Page vii, SR 162.)
>
> "The boundaries of the San Luis Obispo – Santa Barbara P-C Region were defined to include all areas within the two counties where PCC-grade aggregate is produced (the mining sites), and the market area where their product is consumed (the urban centers within the counties)…. The P-C Region is therefore as near to a closed system as possible, with aggregate production nearly equal to aggregate consumption within it." (Page vii, SR 162.)
>
> "Other than the large areas classified as MRZ-2 for Portland cement concrete (especially the La Panza granitics and the alluvium of the Santa Maria River), there are few promising sources for future PCC-grade aggregate in the region…." (Page 31, SR 162.)

Table 1 presents conditions that existed in 1987 as reported in SR 162 as well as subsequent estimates of total permitted reserves that were published in Map Sheet 52 – Aggregate Availability in California (MS52, published 2002 and revised 2006).

Table 1: Aggregate Sectors and Characteristics

Sector (SR 162, 1989)	Total Acres	Acres Permitted for PCC-Grade	PCC-Grade Permitted Reserves (million tons)	PCC-Grade Resources (million tons)
A – Salinas River	2,014	0	0	58 (sand)
B – Navajo Creek	135	135	*	* (sand and gravel)
C – La PanzaGranitics	12,239	212	*	6,119 (crushed stone)
D – Santa Maria River	17,758	409	*	4,528 (sand and gravel)
E–SisquocRiver	3,742	582	*	470
Total (SR 162, 1989)	35,888	1,338	107	11,175 **
Total (MS52, 2002)			93	
Total (MS52, 2006)			77	
* Proprietary data. ** Does not include resources in Sector B.				

Table 1 shows that permitted aggregate reserves are dwindling. This is because new resources are not being permitted at a sufficient rate to offset consumption. Accordingly, the CGS statement about the importance of the La Panza granitics in meeting future demand in the region is every bit as valid today as it was in 1989.

Regional Demand

Demand for aggregate is inelastic, which means that neither the supply nor the price of aggregate influences demand for the commodity. In fact, aggregate demand is most closely related to population growth.

> "The assumption that each person will use a certain amount of aggregate every year is a simplification of actual usage patterns, but overall, an increase in the population leads to the use of more aggregate. Over a long enough period, perhaps 20 years or longer, the random impacts of major public construction projects and economic recessions tend to be smoothed out and consumption trends become similar to historic per capita consumption rates. Per capita consumption is a commonly used and accepted national, state, and regional measure for purposes of forecasting." (Page 5, Map Sheet 52.)

Accordingly, aggregate will be consumed at a given rate with or without the Project. Approval of the Project will not affect demand for aggregate but may affect the distance that aggregates travel within the region. Project aggregate will replace existing materials hauled from farther distances and supply new demand for aggregate that occurs proportionally with growth in population. This basis for analysis is supported by Dr. Peter Berck's Working Paper No. 994 – A Note on the Environmental Costs of Aggregate (Department of Agricultural and Resource Economics and Policy, Division of Agriculture and Natural Resources, University of California at Berkeley, January 2005). According to Dr. Berck:

> "The opening of a new quarry for aggregates will change the pattern of transportation of aggregates in the area served by the quarry. In this note, we will show that, so long as aggregate producers are cost minimizing, the new pattern of transportation requires less truck transport than the pattern of transportation that existed before the opening of the new quarry. Since the costs of providing aggregates falls, it is reasonable to assume that the price of delivered aggregates also will fall. This note also shows that the demand expansion effect is of very small magnitude. Since the demand increase from a new quarry is quite small, the dominant effect is that the quarries are on average closer to the users of aggregates and, as a result, the truck mileage for aggregate hauling decreases. To summarize the effects of a new quarry project:
>
> a) The project in itself will not significantly increase the demand for construction materials in the region through market forces, which include the downward pressure on pricing.
> b) Truck traffic (i.e. vehicle miles traveled) in the region will not increase and may decrease as a result of the project."

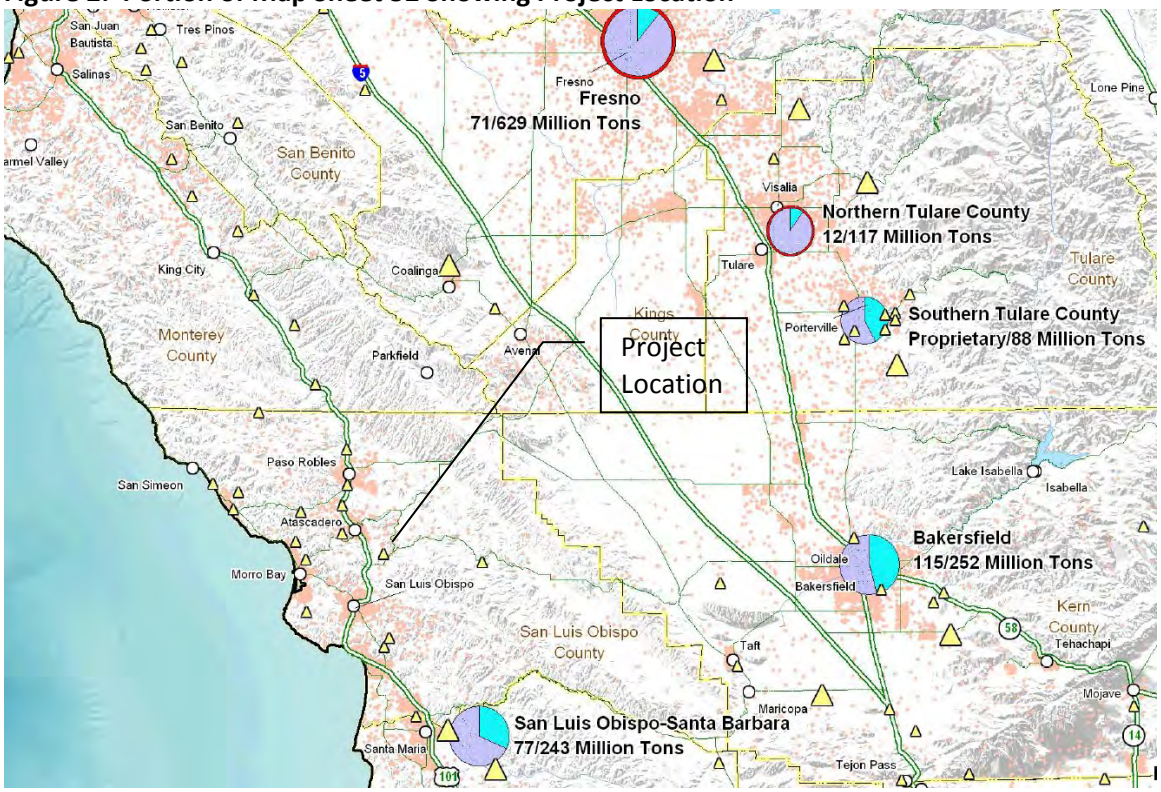
SR 162 reports the long-term average annual per capita aggregate consumption rate to be 6.0 tons per person per year for the period between 1960 and 1987. The California Department of Finance (DoF) projects population for each county in the State. The sum of DoF projections for San Luis Obispo and Santa Barbara counties is multiplied by the average per capita consumption to estimate demand. It is noteworthy that the method of estimating demand does not depend upon the presence of permitted reserves or resources. This is because demand for aggregate is inelastic. Increased population corresponds to increased construction and demand for aggregate. Addition of new aggregate resources to the market does not result in increased use of aggregate (Berck, 2005).

CGS published in 2002 and revised in 2006, the Map Sheet 52 and the associated report entitled "Aggregate Availability in California." The purpose of Map Sheet 52 is to assess the 50-year demand and supply of aggregate resources within the 31 Production-Consumption (P-C) Regions of California. In California as whole, and the San Luis Obispo – Santa Barbara P-C Region in particular, 50-year aggregate demand exceeds the permitted supply. As of 2006, the 50-year aggregate demand in the San Luis Obispo – Santa Barbara P-C Region was 243 million tons and the permitted aggregate reserves were 77 million tons (32% of demand). Figure 2 presents a portion of the most recent Map Sheet 52 showing the Project location.

Of the population in the P-C Region, Santa Barbara County constitutes sixty percent (60%) while San Luis Obispo County constitutes the remaining forty percent (40%). Accordingly, one would expect a similar split in the amount of aggregate consumed within the two counties. Review of Table 1 shows that permitted acreage in Sectors D and E, which are within or on the border of Santa Barbara County, exceeds the permitted acreage in Sectors A through C, which are located fully within San Luis Obispo County, by more than the 60/40 split.

As shown in Figure 2, the area of the P-C Region in which the Project is located contains several small mines. The small triangles in the figure represent mines producing less than 500,000 tons per year and the larger triangles are mines that produce less than 2,000,000 tons per year. The Project is well located to serve the urban centers of San Luis Obispo and Atascadero where future growth will be focused as discussed later in this memo.

Figure 2: Portion of Map Sheet 52 Showing Project Location



The Project will make available new reserves and produce materials that will substitute for materials that have historically been produced elsewhere and imported from father away. Recent California Department of Finance population estimates and the 6.0 ton per year per capita consumption rate reported in SR 162 are used to estimate future demand for aggregates in Table 2.

Table 2: Regional Aggregate Market

Date	Population In SLO – SB P-C Region	Estimated Annual Demand (million tons)	PCC-Grade Permitted Aggregate Resources (million tons)	Fifty Year Demand All Grades (million tons)
1987	522,000	3.1	107	206
2001	653,788	3.9	93	99
2006	675,985	4.1	77	243
2011	695,906	4.2	67	240
2015	711,719	4.3	ND	ND
2020	734,246	4.4	ND	ND
2061	916,888	5.5	ND	ND

Notes:

- Population estimates are based upon the DoF Interim County Projections for 2010, 2015, and 2020 Benchmarked on Census 2010. Growth rates for decades after 2020 were inferred from P-1 Table 1 County by Decade that was previously published by DoF based upon the 2000 census.
- Permitted resources for 1989, 2001, and 2006 are copied from CGS documents (i.e. SR 162, MS 52).
- 2011 permitted resources are estimated assuming decrease consistent with average per capita consumption of 6.0 tons/year between 2006 and 2011 (approx. 25 MMtons) with 15 MMtons added by recent approval of the Diamond Rock Mine in eastern Santa Barbara County even though most of the material from this location is likely to be used in a neighboring region. Demand is lower in 2011 than 2006 due to the updated DoF population forecast.
- Future permitted resource and aggregate demand amounts are speculative and therefore have not been determined (ND).

The Project is proposing peak annual production of 0.5 million tons per year (MMtpy) which, if produced, constitutes slightly less than twelve percent (12%) of the market in the San Luis Obispo - Santa Barbara PC Region in the Year 2011. Aggregate produced by the Project will displace materials produced elsewhere and make available additional capacity within the Region to achieve the increased annual production rates that are necessary to satisfy future growth.

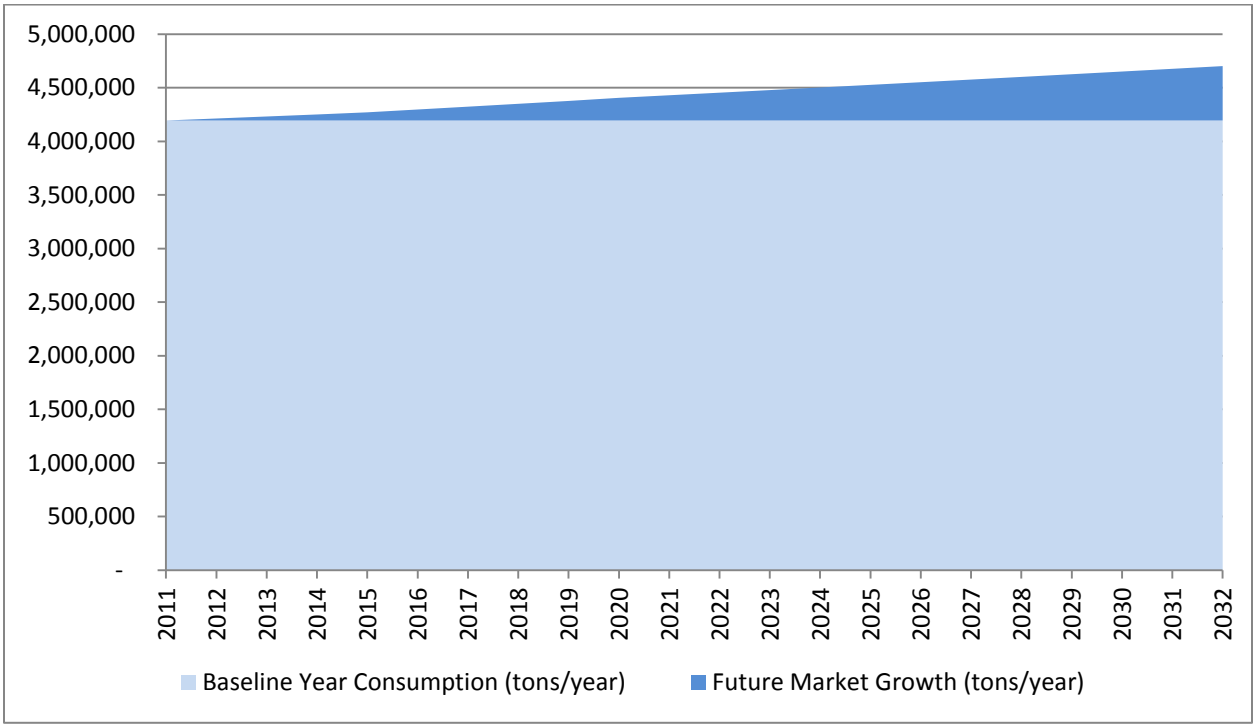
As population grows the amount of aggregates that is consumed grows proportionally. The effects of this growth are incremental above the existing physical setting which already includes the regional effects of trucks delivering aggregate. It is estimated that within the next 50 years, the market in this P-C Region will grow by approximately 1.28 million tons per year (MMtpy) from 4.2 MMtpy in 2011 to 5.4 MMtpy in 2060. By itself, the Project will not satisfy all future growth in regional aggregate demand which surpasses 0.5 MMtpy in approximately 2031.

Two possible methods of estimating the Project's share of future growth:

1. The Project maximum annual rate represents a fraction of the market and the Project is responsible for that same fraction of the growth. Initially, the Project would be 12% of the market and by 2060 the Project would be approximately 9% of the market. The full increment of the Project would be reached when the Project's share of future growth equals the maximum annual rate. This condition would not be reached for several hundred years given the rates of growth forecasted by DoF.
2. The Project is responsible for 100% of growth that occurs up to the time when the maximum annual rate is exceeded by forecasted growth in demand (i.e. 0.5 MMtpy of growth will be reached in 2031).

In either case, the effect of the Project phases in over a period of time. The more conservative approach would be Number 2 because the Project phases in more quickly. Figure 3 presents approach Number 2 which is selected for use in estimating effects of the Project on transportation emissions in the region.

Figure 3: Forecasted Growth in Regional Aggregate Demand



Distance to Market

The effect of a new quarry project that is located close to the market is to reduce aggregate trucking vehicle miles traveled (VMT). In this case, the Project is within the North County Area which is expected to experience the most intense growth as described in the San Luis Obispo Council of Governments (SLOCOG) Preliminary Sustainable Community Strategy (PSCS). The PSCS was prepared by SLOCOG as part of the 2010 Regional Transportation Plan (RTP) to initiate land use and transportation planning methods that will be required in the next RTP cycle under Senate Bill 375 (2008). "Between 1993 and 2006 the North County saw the greatest increase in housing construction and population growth of all areas in the county, and is projected to grow more

than any other part of the county during the next 25 years." (Page 1-11, PSCS). Thus, the Project will provide access to additional aggregate resources in an area where they will be used and is expected to reduce VMT.

Effect of Regulations on Haul Truck Emissions

Haul truck air pollutant emissions are reduced in the future by regulations that are currently in effect. The attached spreadsheet calculates annual VMT using the methodology described above and the corresponding mass of air pollutant emissions using EMFAC2011 derived emissions factors for the fleet operating within San Luis Obispo County. Vehicle type "T7 – Tractor Construction" annual emissions are divided by the VMT to determine the emissions factor in units of pounds per VMT (lb/VMT) for each pollutant-year combination shown on Page 3 of the spreadsheet.

In the time between 2011 and 2031 the market is projected to grow by 0.5 MMtpy. This amount is also equal to the proposed throughput for the Project. EMFAC2011 reports emissions through 2035, after which time emissions are assumed to remain constant. As the market grows, diesel truck emissions control regulations will be phased in by CARB. Accordingly, NOx emissions fluctuate and the maximum year of NOx emissions is predicted to occur in 2020 while other pollutant maximums occur in 2031.

Conclusion

The existing physical setting (i.e. CEQA baseline) includes regional aggregate consumption of approximately 4.2 MMtpy. The Project would contribute 0.5 MMtpy to the regional market which initially substitutes for materials being produced elsewhere and then satisfies an amount of regional growth in aggregate consumption up to Baseline plus the Project (i.e. 4.7 MMtpy) which occurs in 2031. Using the methodology described above, the maximum regional effect of NOx emissions from Project haul trucks is 2.98 tons per year and occurs in 2020.

Year	P-C Region Population	P-C Region Aggregate Consumption / Demand (tons)	P-C Region 2012+ Cumulative Consumption / Demand (tons)	w/ Project P-C Region (VMT @ 25 mi./trip)	Market Growth Above Baseline (tons)	Market Growth Above Baseline (VMT)
2011	699,005	4,194,033	-	8,388,066	-	-
2012	702,118	4,212,711	4,212,711	8,425,422	18,678	37,356
2013	705,245	4,231,472	8,444,183	8,462,944	37,439	74,879
2014	708,386	4,250,317	12,694,500	8,500,634	56,284	112,569
2015	711,719	4,270,316	16,964,816	8,540,631	76,283	152,566
2016	716,100	4,296,599	21,261,415	8,593,198	102,566	205,132
2017	720,507	4,323,044	25,584,459	8,646,088	129,011	258,023
2018	724,942	4,349,652	29,934,111	8,699,304	155,619	311,239
2019	729,404	4,376,424	34,310,535	8,752,848	182,391	364,782
2020	734,246	4,405,477	38,716,011	8,810,953	211,444	422,887
2021	738,235	4,429,410	43,145,422	8,858,821	235,378	470,755
2022	742,246	4,453,474	47,598,896	8,906,949	259,442	518,883
2023	746,278	4,477,669	52,076,565	8,955,338	283,636	567,273
2024	750,333	4,501,995	56,578,561	9,003,991	307,962	615,925
2025	754,409	4,526,454	61,105,014	9,052,907	332,421	664,842
2026	758,507	4,551,045	65,656,059	9,102,090	357,012	714,024
2027	762,628	4,575,770	70,231,829	9,151,539	381,737	763,474
2028	766,771	4,600,629	74,832,458	9,201,257	406,596	813,192
2029	770,937	4,625,623	79,458,080	9,251,246	431,590	863,180
2030	775,125	4,650,753	84,108,833	9,301,506	456,720	913,440
2031	779,337	4,676,019	88,784,853	9,352,039	481,987	963,973
2032	783,571	4,701,423	93,486,276	9,402,846	507,390	1,014,781
2033	787,827	4,726,965	98,213,241	9,453,930	532,932	1,065,864
2034	792,108	4,752,645	102,965,886	9,505,291	558,613	1,117,225
2035	796,411	4,778,465	107,744,351	9,556,931	584,433	1,168,865
2036	800,738	4,804,426	112,548,777	9,608,851	610,393	1,220,786
2037	805,088	4,830,527	117,379,304	9,661,054	636,494	1,272,989
2038	809,462	4,856,770	122,236,074	9,713,540	662,737	1,325,475
2039	813,859	4,883,156	127,119,230	9,766,312	689,123	1,378,246
2040	818,281	4,909,685	132,028,915	9,819,370	715,652	1,431,304
2041	822,726	4,936,358	136,965,274	9,872,716	742,325	1,484,651
2042	827,196	4,963,176	141,928,450	9,926,353	769,144	1,538,287
2043	831,690	4,990,140	146,918,590	9,980,280	796,107	1,592,215
2044	836,208	5,017,250	151,935,841	10,034,501	823,218	1,646,435
2045	840,751	5,044,508	156,980,349	10,089,016	850,475	1,700,950
2046	845,319	5,071,914	162,052,262	10,143,827	877,881	1,755,762
2047	849,911	5,099,468	167,151,731	10,198,937	905,435	1,810,871
2048	854,529	5,127,173	172,278,903	10,254,345	933,140	1,866,279
2049	859,171	5,155,027	177,433,931	10,310,055	960,994	1,921,989
2050	863,839	5,183,033	182,616,964	10,366,067	989,001	1,978,001
2051	868,532	5,211,192	187,828,156	10,422,383	1,017,159	2,034,318
2052	873,250	5,239,503	193,067,658	10,479,006	1,045,470	2,090,940
2053	877,995	5,267,968	198,335,626	10,535,936	1,073,935	2,147,870
2054	882,765	5,296,588	203,632,214	10,593,175	1,102,555	2,205,109
2055	887,560	5,325,363	208,957,576	10,650,725	1,131,330	2,262,660
2056	892,382	5,354,294	214,311,871	10,708,588	1,160,261	2,320,523
2057	897,230	5,383,383	219,695,253	10,766,766	1,189,350	2,378,700
2058	902,105	5,412,630	225,107,883	10,825,259	1,218,597	2,437,193
2059	907,006	5,442,035	230,549,918	10,884,070	1,248,002	2,496,005
2060	911,933	5,471,600	236,021,519	10,943,201	1,277,568	2,555,135
2061	916,888	5,501,326	241,522,845	11,002,653	1,307,294	2,614,587
2062	921,869	5,531,214	247,054,059	11,062,428	1,337,181	2,674,362

Year	Project VMT	Project ROG (Tons)	Project CO (Tons)	Project NOx (Tons)	Project CO2 (Metric Tons)	Project PM10 (Tons)	Project SOx (Tons)
2011	-	-	-	-	-	-	-
2012	37,356	0.04	0.16	0.60	66	0.03	0.00
2013	74,879	0.07	0.30	1.13	133	0.05	0.00
2014	112,569	0.09	0.40	1.59	200	0.07	0.00
2015	152,566	0.08	0.38	1.99	273	0.06	0.00
2016	205,132	0.09	0.43	2.35	366	0.06	0.00
2017	258,023	0.08	0.37	2.50	462	0.06	0.00
2018	311,239	0.09	0.43	2.70	557	0.06	0.01
2019	364,782	0.11	0.52	2.84	652	0.07	0.01
2020	422,887	0.13	0.60	2.98	755	0.08	0.01
2021	470,755	0.14	0.69	2.61	841	0.09	0.01
2022	518,883	0.17	0.80	2.09	926	0.10	0.01
2023	567,273	0.19	0.93	1.74	1,013	0.11	0.01
2024	615,925	0.20	0.96	1.67	1,098	0.12	0.01
2025	664,842	0.21	1.04	1.81	1,185	0.13	0.01
2026	714,024	0.23	1.12	1.95	1,273	0.14	0.01
2027	763,474	0.25	1.20	2.09	1,361	0.15	0.01
2028	813,192	0.26	1.28	2.23	1,449	0.16	0.02
2029	863,180	0.28	1.35	2.36	1,538	0.16	0.02
2030	913,440	0.29	1.43	2.49	1,628	0.17	0.02
2031	963,973	0.31	1.51	2.63	1,718	0.18	0.02
2032	1,000,000	0.32	1.56	2.72	1,782	0.19	0.02
2033	1,000,000	0.32	1.56	2.72	1,782	0.19	0.02
2034	1,000,000	0.32	1.56	2.72	1,782	0.19	0.02
2035	1,000,000	0.32	1.56	2.72	1,782	0.19	0.02
Maximums	**1,000,000**	**0.32**	**1.56**	**2.98**	**1,782**	**0.19**	**0.02**

In the time between 2011 and 2031 the market is projected to grow by 500,000 tons per year . This amount is also equal to the proposed throughput for the Project. EMFAC2011 reports emissions through 2035 after which time emissions are assumed to remain constant. As the market grows, diesel truck emissions control regulations will be phased in by CARB. Accordingly, NOx emissions fluctuate and the maximum year of NOx emissions is predicted to occur in 2020 while other pollutant maximums occur in 2031 when the market growth is 500,000 tons per year.

Parameters:

6.0	tons per capita
240	MMtons, 50-Year Total Demand in P-C Region
25	tons per truck
25	miles one-way (historical and Project)

Year	EMFAC ROG (lb/VMT)	EMFAC CO (lb/VMT)	EMFAC NOx (lb/VMT)	EMFAC CO2 (lb/VMT)	EFMAC PM10 (lb/VMT)	EMFAC SOx (lb/VMT)	EFMAC Fuel Efficiency (MPG)
2011	0.0019	0.0086	0.0323	3.90	0.0014	0.00004	5.7
2012	0.0018	0.0079	0.0302	3.91	0.0013	0.00004	5.7
2013	0.0016	0.0071	0.0282	3.92	0.0012	0.00004	5.7
2014	0.0011	0.0050	0.0262	3.94	0.0008	0.00004	5.6
2015	0.0009	0.0042	0.0229	3.94	0.0006	0.00004	5.6
2016	0.0006	0.0029	0.0194	3.95	0.0004	0.00004	5.6
2017	0.0006	0.0028	0.0173	3.94	0.0004	0.00004	5.6
2018	0.0006	0.0028	0.0156	3.94	0.0004	0.00004	5.6
2019	0.0006	0.0028	0.0141	3.94	0.0004	0.00004	5.6
2020	0.0006	0.0029	0.0111	3.94	0.0004	0.00004	5.6
2021	0.0006	0.0031	0.0081	3.94	0.0004	0.00004	5.6
2022	0.0007	0.0033	0.0062	3.94	0.0004	0.00004	5.6
2023	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2024	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2025	0.0006	0.0031	0.0055	3.93	0.0004	0.00004	5.7
2026	0.0006	0.0031	0.0055	3.93	0.0004	0.00004	5.7
2027	0.0006	0.0031	0.0055	3.93	0.0004	0.00004	5.7
2028	0.0006	0.0031	0.0055	3.93	0.0004	0.00004	5.7
2029	0.0006	0.0031	0.0055	3.93	0.0004	0.00004	5.7
2030	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2031	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2032	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2033	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2034	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7
2035	0.0006	0.0031	0.0054	3.93	0.0004	0.00004	5.7

The emissions factors are derived from CARB EMFAC2011 using the method described in CalEEMod User Manual, Appendix A. EMFAC was run for Kern County calculated by sub-area and in annual mode for all model years with output settings for Mysql. Daily emissions (tons per day), vehicle miles traveled (VMT), and fuel use reported by EMFAC2011 were used to calculate the emissions factors.

Project emissions are calculated using the increment in VMT. The Project is not credited for future reductions in fleet emissions that will occur as a result of turnover and regulatory programs even though emissions will descrease as shown for the Facility. Aggregate demand and population forecasts from Special Report 162 (CGS, 1989), Map Sheet 52 (CGS, 2001, rev. 2006), and Department of Finanace population estimates.

DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS AND POLICY
DIVISION OF AGRICULTURE AND NATURAL RESOURCES
UNIVERSITY OF CALIFORNIA AT BERKELEY

WORKING PAPER NO. 994

A NOTE ON THE ENVIRONMENTAL COSTS OF AGGREGATES

by

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California Agricultural Experiment Station
Giannini Foundation of Agricultural Economics
January 2005

A Note on the Environmental Costs of Aggregates

by Peter Berck*
January 10, 2005

Abstract:

The opening of a new site for the production of aggregates has both direct and indirect impacts on the environment. The indirect impacts include changes in the environmental costs of hauling aggregates and possible changes in the level of construction activity. In this note, we show that the most likely effect of a new aggregate site is to reduce the truck miles used for aggregate hauling, which is an environmental benefit. We also show that the change in construction activity induced by a new site is likely to be extremely small.

* Peter Berck is Professor of Agricultural and Resource Economics. I would like to thank Atanu Dey for able research assistance. The remaining errors are mine.

A Note on the Environmental Costs of Aggregates

The opening of a new quarry for aggregates will change the pattern of transportation of aggregates in the area served by the quarry. In this note, we will show that, so long as aggregate producers are cost minimizing, the new pattern of transportation requires less truck transport than the pattern of transportation that existed before the opening of the new quarry. Since the costs of providing aggregates falls, it is reasonable to assume that the price of delivered aggregates also will fall. This note also shows that the demand expansion effect is of very small magnitude. Since the demand increase from a new quarry is quite small, the dominant effect is that the quarries are on average closer to the users of aggregates and, as a result, the truck mileage for aggregate hauling decreases. To summarize the effects of a new quarry project:

a) The project in itself will not significantly increase the demand for construction materials in the region through market forces, which include the downward pressure on pricing.

b) Truck traffic (i.e. vehicle miles traveled) in the region will not increase and may decrease as a result of the project.

As a result, the effect of a new quarry project will be to reduce the air emissions from aggregate trucking. The reduction in emissions should be included as a positive impact of a quarry project in any analysis of the environmental consequences of a new quarry.

The remainder of this note provides a brief description of the economics of construction materials and explains why these points must be true.

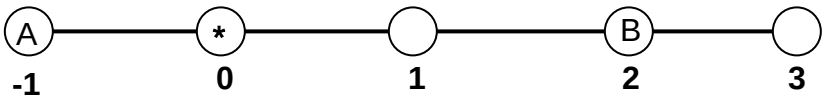
Based upon the available evidence, a project would decrease haul distances for aggregates and would therefore decrease emissions from trucks, rather than increase them.

There are two economic facts that are important to understand in evaluating the likely addition or subtraction to truck traffic from a new quarry. One is the economics of location. The second is the demand for aggregates, which is the quantity of aggregates used as a function of price.

That a new site leads to smaller haul distance is a matter of geometry and economics. Transportation is a major element in the cost of delivered aggregate, so new sites are chosen, within the limits placed by the natural availability of aggregates, to minimize transport costs.

An example should make this fact clear. Consider diagram 1. Circles represent aggregate-using projects of equal size. The five projects shown are located at miles marked –1, 0, 1, 2, and 3. Two of the project sites are marked with the letters A and B, and they are potential locations for aggregate production. The location at mile 0 is an existing aggregate production site and it is marked by an asterisk (*). The scale is in miles. For simplicity, each project uses one unit of aggregate.

Diagram 1



With only one aggregate production site at mile 0, the miles traveled to supply the five projects is seven: zero miles for project at mile 0, one mile for each for the projects at mile –1 and 1, two miles for the project at 2 and three miles for the project at 3 for a total of 7 miles. If an additional aggregate production site is started at A, the miles traveled decreases to six, because there is no transportation required for the aggregate-using project at A and all other projects are served by the original site. However, if the new site is placed at B instead of being placed at A, transport distance falls to three miles because then two projects have aggregate production at their location and thus have zero

transportation requirements, and the three remaining sites each require a one-mile transport. Each aggregate production site supplies 2.5 units of aggregates, that is, half the total required by the five projects. Since cost depends on distance and, markets minimize costs, the free market system always will choose a point like B, the one with the lowest cost. In this case it is also the lowest transport distance.

Other forms of industrial organization lead to higher prices being charged for aggregates, but the effect of additional suppliers is to lower prices and haul distances. Appendix A elucidates the case where the price depends upon the delivered costs of the second most efficient producer.

The second issue for the siting of aggregate production is the possibility that lower delivered costs lead to more projects or more use of aggregates in existing projects. The degree to which decrease in the price of a good, in this case construction material, leads to an increase in the quantity of that material used is described by the elasticity of demand. The elasticity of demand is the percent increase in use caused by a one percent decrease in price.

A search of the economic literature found no articles estimating a positive elasticity of demand for aggregates. A review by the Susan Kohler[†] finds that only population and not price is correlated with aggregate usage. In other words, a reduction in the price of aggregate does not lead to an increase in demand for it.

While it is a theoretical possibility that the quantity of aggregates demanded (that is, the quantity used in projects) is responsive to price, two facts about construction make this unlikely. First, the cost of aggregates is usually a tenth or less of the cost of a project. Second, the building of projects -- housing, roads, and commercial construction -- is not very sensitive to the costs of producing them.

[†] *Map Sheet 52. Aggregate Availability in California.* by Susan L. Kohler. California Department of Conservation. California Geological Survey. Sacramento. 2002.

Although we have not found literature on the elasticity of demand for either public projects or contract construction, there is an empirical literature on the elasticity of demand for housing[‡]. In these studies, a one percent change in the price leads to about a half percent change in the quantity of housing consumed. Public projects, like roads, are budgeted, often from specials funds, like road taxes. In that case, a one percent decrease in the costs of *all* projects in a taxing jurisdiction would lead to a one percent increase in the quantity of roads built. Since aggregates are very expensive to ship, the quarry being considered likely would only change the costs of nearby road construction, perhaps for just one county.

For example, Monterey County has a population of 400,000 while the state population is 33.9 million people.[§] Assuming that road construction is roughly proportional to population, about 1.2 percent of road construction would be in Monterey. So, if a new quarry in Monterrey decreased the price of aggregates in Monterrey by 1 percent and left the price the same in the rest of the state, then the average price in the whole state would fall by about 0.01 percent, which is negligible. A project that affects only a small part of a taxing jurisdiction has only a small effect on that jurisdiction's costs and can have no major affect on the quantity of services supplied by that jurisdiction.

We know of no evidence of elasticities for construction work as high as one. We estimate the elasticity of demand for projects using aggregates to be much less than one, likely under a half in the private sector and near zero in the public sector.

Given that projects will be built, there is some possibility of substituting of other structural materials for aggregates in buildings. However these substitute materials too would be trucked. The realistic possibility for roads is that there are no materials to substitute for aggregates. I do not believe this pathway to greater use of aggregates in building would be triggered by the transport savings from a new aggregate source or that it would result in an increase in net truck miles.

[‡] Hanushek, Eric A., John Quigley. "What is the price elasticity of housing demand?" *Review of Economics and Statistics.* August, 1980.
[§] Population figures are for the year 2000.

Since a change in price of aggregates does not lead to either a substantial substitution of other materials for aggregates or a substantial increase in the quantity of projects, the demand for aggregates is very inelastic. This inelasticity of demand is exactly the reason that the State of California can use a fixed per-capita consumption rate for forecasting the need for construction materials.

An example will make clear how the transport advantage and elasticity of demand arguments fit together. Let us consider a new quarry that, through its transportation advantage over existing quarries, would save 12.5 miles of trucking on each and every project in the study area. We shall assume that the average truck haul pre-project was 25 miles.

According to the *Map Sheet 52: Aggregate Availability in California,* the cost of construction aggregate doubles every 25-35 miles from the point of production. The following calculations are carried out assuming that a 25 mile haul doubles the cost. Assuming that a unit of aggregate costs $1 at the production site, then its delivered cost at a project site 25 miles away is $2. If the haul distance were to be reduced to 12.5 miles due to a new quarry, then half of the transportation costs – or $0.50 – would be saved. This represents a cost savings of 25 percent in the delivered cost of aggregate and is entirely due to a 50 percent decrease in miles traveled.

The only way for a new quarry to influence the quantity of construction is through the price of aggregates. This example presents the competitive case, where the delivered price decreases by the full amount of the transport cost savings. In the competitive case, the effect on the quantity of construction will be extremely moderate, as demonstrated below. (Appendix A presents a less than perfectly competitive example.)

In keeping with the fact that the cost of aggregate accounts for less than 10 percent of the total cost of a construction project, a price reduction of 25 percent on aggregate is a cost saving of 2.5 percent or less on the project. Let us assume a very liberal price elasticity of

demand for construction of 0.5. In other words, 2.5 percent reduction in the cost of construction would lead to 1.25 percent increase in the quantity of construction demanded. This increased quantity of delivered aggregate leads to additional truck haul miles. The number of increased miles from the increased aggregate sales is 1.25 percent of the original quantity times the new haul distance which is 50% of the original distance. Therefore, the percentage increase in truck haul miles occasioned by a decrease in aggregate price will be 0.625 percent because the new aggregate location is only half as far away.

In this example, the new quarry saves 50 percent of truck trip miles through location and contributes 0.625 percent of new truck trip miles from demand increase. This leads to a net decrease of 49.375 percent in truck miles. The following Table 1 summarizes the net reduction of truck haul miles for three different scenarios – the new aggregate project site located at 12.5, 6.25, and 2.5 miles from a construction site.

Table 1

Distance to New Quarry (miles)	**Decrease in haul miles (%)**[**]	**Decrease in delivered aggregate cost (%)**	**Decrease in construction cost (%)**	**Increase in construction quantity (%)**	**Increase in haul miles from additional construction(%)**[††]	**Net decrease in miles hauled (%)**
12.5	50	25	2.5	1.25	0.62	**49.4**
6.25	25	37.5	3.75	1.85	0.46	**74.5**
2.5 miles	90	45	4.5	2.25	0.22	**89.8**

There is a general rule to be deduced from the example: The percent decrease in cost for the delivery of aggregates equals the percent decrease in miles driven, while the increase in the use of aggregates equals the elasticity of demand for a final product (such as roads) times the cost share of aggregates in making the product times the decrease in cost. Since the elasticity of demand for a final product is much less than one, and the cost

[**] This decrease is with respect to the pre-project haul miles.
[††] This increase is with respect to the pre-project haul miles.

share of aggregates in making the product is about 8 percent, a new quarry must decrease truck miles and decrease NOX and other emissions from trucks.

Appendix A

Spatial Models with Imperfect Competition

When a producer has a price advantage over other producers because of lower transport costs, the producer can exploit that advantage by charging consumers a price greater than its marginal cost. Marginal cost is the cost of producing one incremental unit.
In this appendix, I will briefly investigate one model of spatial competition that is derived from a classical model of Hotelling [‡‡]

In Hotelling's model, two stores (which are analogous to production sites) can relocate at no cost and then compete based on price. Since consumers are some distance from the store, they see the price of a product as the amount they pay for the product plus the cost of travel. They go to the store with the least total cost (cost of product plus cost of travel). The stores seek to make the most money they can make. The price the consumer will pay is the largest price that the store the consumer goes to can charge without losing the customer to the other store.[§§] In Hotelling's model, the two stores will locate next to each other, split the market in half, and charge the competitive price. While the pricing rule of the Hotelling model may well apply to aggregates, the assumption of complete location flexibility is not applicable.

Returning to the model of diagram 1, shown above., I now consider the effects on pricing of adding one aggregate production site with competition in prices. Consider the case where both aggregate production sites and aggregate-using projects exist at location A and *. The production site at * would be willing to supply the project at location A at its marginal cost of production (mc) plus the cost of transport for one mile, for a total of mc + 1 c. This is higher than the marginal plus transport costs that production site A has for

[5] Hotelling, Harold. 1929. "Stability in Competition." Economic Journal 39:41-57
[6] Salop, Steven C. 1979. "Monopolistic Competition with Outside Goods." *The Bell Journal of Economics.* Salop models the competition between stores in terms of quantity, so that the price for consumers near a store is determined as a monopolist would determine price. With a very low elasticity of demand as is true for aggregates, the price competition model of Hotelling seems more appropriate.

supplying the project at A. However, the site at A can charge up to mc+c without losing the customer. The site charges mc+c while its costs are mc and makes c units of pure profit. The site at * prices in the same way—a price just high enough to avoid the site at A from taking the customer. For the sites to the right of *, the prices are mc+2, mc+3, and mc+ 4. In each case, this is the highest price site * can charge without losing the customer to site A.

In this model, one of the best places for a new site would be at B. The new site would sell ½ unit to the project between it and * at a price of mc + c, a whole unit to the project located at B at a price of mc + 2c (the price at which the site at * would be willing to supply aggregate), and a whole unit to the project located to its right at a price of mc + 3c. The result of adding the new site would be that the price for each project to the right of the project at * fell by c.

With competitive (marginal cost) pricing as described in the body of the note, the addition of the new site at B would result in the prices paid by projects decreasing by four, while with imperfect competition as described in this appendix, the new site would result in the prices paid by projects decreasing only by three. Compared to the competitive case cited above, the imperfect competition example results in smaller changes in prices and therefore a larger decrease in truck traffic.

Construction Aggregate Supply Limitations
Some Estimates of Economic Impact–November 2011

- Aggregates are low-value, heavy-weight building materials used in construction, including sand, gravel, crushed stone, and recycled concrete. Aggregates are mined and either used as raw material (for example, as foundations) or serve as composite materials in the production of concrete and asphalt. The main end markets for aggregates include private residential construction (34 percent), commercial construction (17 percent), and public infrastructure projects (43 percent, including 26 percent for public highways, streets and transit).

- Aggregates are usually shipped from quarries or production sites close to their end market because transportation is a major element in the cost of delivered aggregates and the cost depends on the distance of the delivery. According to the industry, shipping costs for aggregates can outweigh production costs if the material is trucked more than 20 miles.[1] Permitting new aggregate sites would lead to shorter haul distance to minimize transport/shipping cost.

- According to the California Geological Survey (CGS), California has an estimated 74 billion tons of aggregate resources underlying mineral lands classified by the State Geologist. However, only about six to seven percent have actually been permitted by local agencies for mining activities. Permitting of mining sites is difficult and time consuming due to environmental, land development, and zoning laws, and could take between five and ten years. At the current rate of production, available aggregate supply in some areas in the State could be depleted in a decade.

- According to the California Department of Finance, housing construction activity in California more than doubled between 1996-2005, the longest sustained growth period in recent history; but experienced more than 80 percent decline during 2006-2009 (from 209 to 36 thousand units). Despite a 23 percent rebound in housing construction spending in 2010, overall construction industry in California remains depressed. This has contributed to a significant reduction in both production and value of construction aggregate in recent years.

- According to the CGS, California produced 133.5 million tons (valued at $1.4 billion) of construction sand, gravel, and crushed stone in 2009, compared to 237.3 million tons (valued at $1.9 billion) in 2006, an almost 44 percent drop since 2006. The transportation of 133.5 million tons of construction aggregates generates about 5.3 million truckloads (@ 25 tons per truck), or a total of 10.7 million truck trips a year (including empty trucks returning to the aggregate sites) related to the transportation of construction aggregates in the State.

- According to the Teichert Construction and West Coast Aggregates, Inc. the average hauling distance for aggregates in California may be as high as 50 miles. Truck transportation accounts for about 99 percent of shipping aggregates for 40 miles or less.[2] At an average 50-mile distance, the total aggregate-truck VMT would be 535 million miles per year (10.7 million trucks x 50 miles).

- Let us assume that permitting additional mining facilities would reduce the average hauling distance from 50 to 35 miles statewide. Using an average hauling distance of 35 miles, the total annual aggregate-truck miles of travel would be 375 million miles (10.7 million trucks x 35 miles). The 15-mile shorter hauling distance would reduce aggregate-truck miles of travel by 160 million miles per year (535-375), and annual diesel fuel consumption by 20 million gallons [using California Air Resources Board (CARB) diesel fuel consumption rate of 0.13 gallons per vehicle-mile at 55-60 mph speed].

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[1] Therese Dunphy, "Evening the Playing Field," *Aggregates Manager*, August 2006.
[2] Tina Grady Barbaccia, "Off-highway Transportation," *Aggregates Manager*, July 2006.

- A recent University of California, Berkeley study[3] confirms that the most likely, and dominant, effect of the opening of new sites for the production of construction aggregates would be a reduction in truck miles of travel for hauling aggregates (i.e., new quarry will be located closer to the users to minimize transportation costs), thus a reduction in emissions from trucks.

- Based on the CARB emission factors estimates, and assuming an average 55-60 miles per hour speed, a reduction of 160 million miles of truck travel (or 20 million gallons of diesel fuel consumption) would reduce truck emissions (CO, NOx, PM10, SOx, VOC, and CO2) by about 22,436 tons a year.

- The total transportation cost of aggregates (at $0.10 per ton per mile) shipped 35-miles average distance throughout California would be $936 million (10.7 million trucks x 25 tons x 35 miles x $0.1), and over $1.3 billion if shipped an average distance of 50 miles. The statewide transportation cost savings of reduced hauling distance would amount to $376 million a year (or a 30 percent cost savings).

- The California Department of Transportation (Caltrans) estimates that on average, about $2.5 billion is spent on State and local capital outlay projects each year, and on average, aggregates account for 8-10 percent of total project costs, or about $250 million annually. A 30 percent increase/decrease in shipping cost of aggregates would increase/decrease the total annual project costs by $75 million per year.

- The reduction in aggregate-related truck miles of travel would also reduce traffic congestion and traffic accidents on roads, but these impacts would be difficult to estimate. An additional benefit from truck trip reduction would be reduced pavement deterioration. Caltrans expects to spend about $700 million annually on pavement rehabilitation projects. Assuming trucks account for 60 percent of the pavement damage on the State highways, and aggregate-trucks on average account for 5 percent of all heavy truck travel on the State highways, the trucks shipping aggregates would account for about $20 million of cost savings in the pavement rehabilitation each year.

- Project delays due to lack of aggregate supply in the area, would also result in project cost escalation and reduced user benefits (reduced travel time and accidents) that would have otherwise been generated. A delay of 10 percent of the projects (or $250 million in capital outlay expenditures) for one year would increase the cost of the State and local capital outlay program by $13 million a year (at 5 percent average cost escalation factor).

- Generalizing, and pro rating, the user benefits estimated for the 2008 Interregional Transportation Improvement Program projects, a delay of ten percent of the capital outlay program for one year could also cost California about $97 million in increased roadway congestion and traffic accidents.

In conclusion, the overall picture may indicate that the concerns over the limited supply of construction aggregates may have eased for now due to the severe housing decline and economic slowdown. However, over the long run, with the eventual housing and economic rebound, the supply-demand imbalance will continue for many areas. Meanwhile, for some specific localities and construction projects, the challenge of adequate and cost-effective supply of construction aggregates persists.

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[3] Peter Berck, "A Note on the Environmental Costs of Aggregates," *Working Paper No. 994*, Dept. of Agricultural and Resource Economics and Policy, University of California, Berkeley, January 2005.

SPECIAL REPORT 215

UPDATE OF MINERAL LAND CLASSIFICATION: CONCRETE AGGREGATE IN THE SAN LUIS OBISPO-SANTA BARBARA PRODUCTION-CONSUMPTION REGION, CALIFORNIA

2011

CALIFORNIA GEOLOGICAL SURVEY
Department of Conservation

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SPECIAL REPORT 215

UPDATE OF MINERAL LAND CLASSIFICATION: CONCRETE AGGREGATE IN THE SAN LUIS OBISPO-SANTA BARBARA PRODUCTION-CONSUMPTION REGION, CALIFORNIA

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EXECUTIVE SUMMARY

This report updates the mineral land classification for concrete aggregate in the San Luis Obispo-Santa Barbara Production-Consumption Region. The mineral land classification of the area was previously described in California Department of Conservation's Division of Mines and Geology (now California Geological Survey) Special Report 162 – *Mineral Land Classification: Portland Cement Concrete Aggregate and Active Mines of All Other Mineral Commodities in the San Luis Obispo-Santa Barbara Production-Consumption Region* – published in 1989. Special Report 162 emphasized the classification of portland cement concrete-grade aggregate resources, but also classified active mines of other mineral commodities such as asphaltic concrete aggregate, base, subbase, fill, and diatomite that were being mined in the region at that time.

This report presents a reevaluation and update of concrete (portland cement concrete-grade and asphaltic concrete-grade) aggregate resources in the San Luis Obispo-Santa Barbara Production-Consumption Region for the benefit of local lead agencies in the region. Deposits that meet the specifications for concrete aggregate are among the scarcest and most valuable construction aggregate resources. The broader category of "construction aggregate" includes materials that meet the specifications for concrete aggregate but also includes lower grade materials that are used in products such as base, subbase, and fill.

This report also provides an updated 50-year projection of construction aggregate needs for the San Luis Obispo-Santa Barbara Production-Consumption Region through the year 2060. This report does not update or alter the status of other mineral resources previously classified in Special Report 162.

In this update report, the following conclusions are reached:

- The 75 million tons of currently permitted construction aggregate reserves are projected to last through the year 2026, 16 years from the present (2010).

- In this update report, an additional 2,991 acres of land containing concrete aggregate resources are identified in areas in and near the San Luis Obispo-Santa Barbara Production-Consumption Region.

- The anticipated consumption of construction aggregate in the San Luis Obispo-Santa Barbara Production-Consumption Region for the next 50 years (through the year 2060) is estimated to be 263 million tons, of which 137 million tons must be concrete-grade. This is 57 million tons more than the prior 50-year projection made in 1989.

- An estimated 10,700 million tons of concrete aggregate resources are identified in the San Luis Obispo-Santa Barbara Production-Consumption Region.

PART I - INTRODUCTION

This report updates the mineral land classification for concrete aggregate in the San Luis Obispo-Santa Barbara Production-Consumption (P-C) Region. The mineral land classification of the area was previously described in California Department of Conservation's Division of Mines and Geology (now California Geological Survey or "CGS") Special Report 162 – *Mineral Land Classification: Portland Cement Concrete Aggregate and Active Mines of All Other Mineral Commodities in the San Luis Obispo-Santa Barbara Production-Consumption Region* – (Miller and others, 1989). Special Report 162 (SR 162) emphasized the classification of portland cement concrete-grade aggregate resources, but also classified active mines of other mineral commodities such as asphaltic concrete aggregate, base, subbase, fill, and diatomite that were being mined in the region at that time. SR 162 also contained projections of the 50-year demand for construction aggregate and PCC-grade aggregate in the P-C Region.

The San Luis Obispo-Santa Barbara Production-Consumption Region (Figure 1) covers an area of 2,062 square miles and includes much of the urban and urbanizing area within the region. It is covered by all or part of 62 U.S. Geological Survey 7-1/2 minute quadrangle maps as shown on Plate 1.

The focus of this update report differs from that of SR 162 in that the classification of portland cement concrete (PCC)-grade and asphaltic concrete (AC)-grade aggregate are emphasized. Together, these two commodities are referred to as "concrete aggregate" and are generally among the scarcest and most valuable construction aggregate resources. The prior classification of other (non-concrete aggregate) mineral commodities from SR 162 is retained in this study, but is not updated or altered.

This report presents a reevaluation and update of identified concrete-grade aggregate resources for the benefit of local lead agencies in the San Luis Obispo-Santa Barbara P-C Region (see Table 1 for a list of lead agencies). New information on aggregate resources and reserves, resource sectors, aggregate consumption, and projected 50-year aggregate demand in the San Luis Obispo-Santa Barbara P-C Region is presented to help land-use planners, decision makers, and the public to understand, and plan for, the Region's future construction aggregate needs. Most users will find that this report meets their information needs; however those users wanting more detailed information on the geology and original mineral resource zoning will find it in the original report, SR 162.

BACKGROUND

Mineral land classification reports are produced by the State Geologist as specified by the Surface Mining and Reclamation Act (SMARA) of 1975. SMARA was passed by the California State Legislature in response to the loss of significant mineral resources due to urban expansion, the need by land-use decision-makers for current information concerning the location and quantity of essential mineral deposits, and to ensure adequate mined-land reclamation. To address mineral resource conservation, SMARA mandates the two-phase process known as classification-designation.

Figure 1. General location map of the San Luis Obispo-Santa Barbara P-C Region.

The objective of the classification-designation process is to ensure, through appropriate local lead agency policies and procedures, that mineral materials will be available when needed and do not become inaccessible as a result of inadequate information during the land-use decision-making process.

SMARA mandates that the State Mining and Geology Board (Board) develop guidelines for mineral land classification. The Board adopted SMARA guidelines on June 30, 1978 and revised them in 2000. The guidelines are available on the Board's website at http:/www.consrv.ca.gov/ SMGB/Guidelines/ClassDesig.pdf.

The guidelines require the State Geologist to classify specified areas into Mineral Resource Zones (MRZs). The guidelines also require that classification reports for construction aggregate resources include the following additional information: (1) the location and estimated total quantity of construction aggregate in areas with land-uses compatible with potential mining; (2) limits of the market area that these potential resources would supply; and (3) an estimate of the total quantity of aggregate material that will be needed to supply the area for the next 50 years.

OVERVIEW OF CLASSIFICATION

The classification of construction aggregate resources involves the six distinct but interrelated steps that are listed below.

1. Determination of Study Boundary: Study areas may be a county, a portion of a county, or a P-C region that may contain part(s) of one or more counties. P-C regions were originally selected such that the majority (95 percent) of the construction aggregate produced in the region was consumed in the region.

2. Establishment of Mineral Resource Zones (MRZs): Based on geologic appraisals, lands within the study area were classified in SR 162 as MRZ-1, MRZ-2, or MRZ-3 for specific construction aggregate types, or grades. Three aggregate grade subdivisions were used in classifying lands as MRZ-2: 1) portland cement concrete-grade (PCC); 2) asphalt concrete-grade (AC); and 3) base and fill. In classifying lands as MRZ-1 and MRZ-3, only PCC-grade criteria were considered. In this update report, this MRZ classification has been retained and is shown on Plate 1. The classification system is discussed in Part II of this report. The geologic appraisals include a study of pertinent geologic reports and maps, and field investigations of geologic units exposed in outcrops and at active and inactive mines and quarries.

3. Identification of Sectors: Lands known to contain significant concrete-grade aggregate resources (i.e. areas classified as MRZ-2 (PCC) and (AC) in Step 2, above) are evaluated to determine if current uses of these lands preclude mining. Areas currently permitted for mining and areas found to have land uses compatible with possible mining are identified as *Sectors*.

4. Calculation of Resource Tonnages within Sectors: Investigation and analysis of on-site conditions, measurement of the areal extent of deposits, drill-hole information, waste-

material percentages, and deposit densities are used to calculate total tonnages of aggregate *reserves* and *resources* within each Sector. Reserves are deposits permitted for mining; resources are all aggregate deposits identified by Sectors, including the permitted reserves.

5. Forecast of 50-Year Needs and the Life Expectancy of Current Reserves: The total tonnage of aggregate needed to satisfy the demand in the study area over the next 50 years is estimated by multiplying the projected population over that period with the average annual per-capita rate of total aggregate consumption derived from historic population and production data. Results of this forecast are used to estimate the date of depletion of current reserves in the Region.

6. Identification of Alternative Resources: Alternative sources of aggregate are identified and briefly discussed.

When the determination of the study boundary for the San Luis Obispo-Santa Barbara P-C Region originally was made in the mid-1980s, the region produced about 90 percent of the aggregate consumed within the Region. Information provided by the aggregate producers indicates that in 2009, imports of aggregate from outside of the Region were still approximately 10 percent of the total aggregate consumed in the region.

OVERVIEW OF DESIGNATION

This update report contains the classification step of the classification-designation process provided for in SMARA. The designation phase follows the receipt and acceptance of this classification report by the Board. *Designation* is the formal recognition by the Board, after consultation with lead agencies and other interested parties, of areas containing mineral deposits of regional or statewide economic significance. Procedures for the designation of lands containing significant mineral deposits are specified in Section II.2 of the Board's Guidelines for Classification and Designation of Mineral Lands (California State Mining and Geology Board, 2000).

LEAD AGENCY RESPONSE TO CLASSIFICATION

The Board, upon receipt of the classification information from the State Geologist, transmits the classification report to the appropriate lead agencies and makes it available to other interested parties. Within 12 months of receipt of the report, each lead agency must develop and adopt mineral resource management policies to be incorporated in its general plan. These policies will:

1. Recognize the mineral land classification information, including the Mineral Land Classification Maps transmitted to the lead agency by the Board.

2. Emphasize the conservation and development of the identified mineral deposits.

Lead agencies that have land-use jurisdiction within the San Luis Obispo-Santa Barbara P-C Region are shown in Table 1. The information in this update and the revised projection of aggregate needs in the region should be used by the lead agencies in evaluating the effectiveness of their current mineral resource management policies and in planning for future construction aggregate demands in their jurisdictions. These plans should be updated if necessary.

Table 1. Lead agencies in the San Luis Obispo-Santa Barbara P-C Region (County and incorporated city governments).

LEAD AGENCY	Lead agencies with active aggregate operations within their jurisdiction	Lead agencies with land classified as MRZ-2 for concrete-grade aggregate within their jurisdiction
County of San Luis Obispo	•	•
City of Arroyo Grande		
City of Atascadero	•	•
City of Grover City		
City of Morro Bay		
City of Paso Robles	•	•
City of Pismo Beach		
City of San Luis Obispo		
County of Santa Barbara	•	•
City of Buellton		•
City of Carpinteria		
City of Goleta		
City of Guadalupe		
City of Lompoc		
City of Santa Barbara		
City of Santa Maria		•
City of Solvang		•

PART II – UPDATE OF MINERAL LAND CLASSIFICATION OF CONCRETE- GRADE AGGREGATE RESOURCES IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

This section of the report contains updated information concerning the location, quality, and quantity of concrete-grade (PCC- and AC-grade) aggregate resources in the San Luis Obispo-Santa Barbara P-C region. These Mineral Resource Zones are shown on Plates 1 and 2. Classification of other mineral commodities from SR 162 are also shown on Plates 1 and 2, but are not discussed in the following text.

MINERAL RESOURCE ZONES

As set forth in Section 2761 (b) of SMARA, the State Geologist shall classify land solely on the basis of geologic factors and without regard to existing land use. Areas subject to mineral land classification studies are divided by the State Geologist into various Mineral Resource Zone (MRZ) categories that reflect varying degrees of mineral resource potential. When SR 162 was written, the nomenclature for mineral land classification consisted of four categories – MRZ-1, MRZ-2, MRZ-3, and MRZ-4. Since then, the nomenclature has been expanded to include subdivisions of the MRZ-2 and MRZ-3 categories into "a" and "b" subcategories, as explained in the Board's Guidelines for Classification and Designation of Mineral Lands under Section I, part 3. However, the original mineral land classification categories remain valid for this Region and, for simplicity, have been retained in this update report. Following is a brief description of the three MRZ categories used in this update report (MRZ-4 is not used):

MRZ-1: Areas where available geologic information indicates that little likelihood exists for the presence of significant mineral resources.

MRZ-2: Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood for their presence exists. This zone shall be applied to known mineral deposits or where well-developed lines of reasoning, based upon economic-geologic principles and adequate data, demonstrate that the likelihood for occurrence of significant mineral deposits is high.

MRZ-3: Areas containing known or inferred mineral occurrences of undetermined mineral resource significance.

Lands within the study area were classified for three construction aggregate grades: PCC-grade, AC-grade, and base and fill. It should be noted that the material in lands classified MRZ -2 (PCC) and MRZ-2 (AC) must meet the highest quality specifications of the three, and should not be considered equivalent to material in land classified MRZ-2 (Base and Fill).

CLASSIFICATION CRITERIA

To be considered *significant* for the purpose of mineral land classification, a mineral deposit, or a group of mineral deposits that can be mined as a unit, must meet marketability and threshold value criteria adopted by the Board in the SMARA guidelines (http:/www.consrv.ca.gov/SMGB/Guidelines/ClassDesig.pdf). Threshold values are intended to indicate in a general way the approximate minimum size of a mineral deposit that will be considered significant for classification and designation. The threshold value criteria vary for different mineral deposits depending on their uniqueness and commodity-type category. The Board determined threshold value of the first marketable product in 1998 dollars to be $1,250,000 for metallic and rare mineral deposits, $2,500,000 for industrial mineral deposits other than construction aggregate, and $12,500,000 for construction aggregate deposits. In order to adjust these threshold values to reflect 2010 dollars, each value was multiplied by an inflation factor of 1.39. This factor was determined by dividing the U.S. Department of Labor's estimated Consumer Price Index (CPI) for California (California Department of Finance website, 2010) for 2010 (226.9), by the CPI for 1998 (163.7). Threshold values in 2010 dollars (rounded to the nearest thousand) are as follows:

Metallic or rare mineral deposits	$ 1,733,000
Industrial minerals other than construction aggregate	$ 3,465,000
Construction aggregate	$ 17,326,000

The average price of construction aggregate prices in the San Luis Obispo-Santa Barbara P-C Region is about $12 per ton; therefore, $17,326,000 equates to about 1.44 million tons of aggregate material.

REEVALUATION OF MINERAL LAND CLASSIFICATION FOR CONCRETE-GRADE AGGREGATE IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION AND ADJACENT AREAS

In this update, there are three additions to the mineral land classification of the San Luis Obispo-Santa Barbara P-C region relative to that described in SR 162. One area mostly within the P-C Region has been reclassified MRZ-2 for AC-grade aggregate and two areas outside of the boundary of the P-C region that have been classified MRZ-2 for PCC-grade aggregate.

Area Reclassified MRZ-2 for AC-Grade Aggregate within the P-C Region

Huerhuero Creek (MRZ-2 AC)

This MRZ-2 contains sand and gravel deposits in the active channel of the Main Branch, Middle Branch and the East Branch of Huerhuero Creek (Plate 1). This new MRZ-2 (in two parts) covers an area of 228 acres in north-central San Luis Obispo County on the northeastern boundary of the P-C Region. This MRZ runs along the P-C region boundary being mostly within the P-C region but also partially outside the P-C region. One sand and gravel extraction

operation is permitted and intermittently active along the creek within the MRZ-2—CalPortland Construction's Creston Mine.

Alluvial deposits of Huerhuero Creek consist of fine- to coarse-grained sand and gravel derived primarily from the Cretaceous granitic bedrock of the La Panza Range to the south. The deposits become progressively finer-grained downstream to the north. Sand grain-sized particles are quartz, feldspar, lithic fragments of granitic composition, and a small percentage of fine biotite. Observed gravel clasts are pebble- to cobble-sized, and granitic in composition. It is estimated that pebble- to cobble-size clast content of the upstream areas may be 10 to 15 percent.

The deposit is used for AC aggregate. Additional material quality testing may demonstrate that this material is suitable for use as PCC aggregate.

Areas Newly Classified MRZ-2 for PCC-Grade Aggregate Outside of the P-C Region

Two areas outside of the boundary of the San Luis Obispo-Santa Barbara P-C Region have been classified MRZ-2 for PCC-grade aggregate in this update. Although these areas are outside of the P-C Region, they have been classified and included in this report because they are significant aggregate resources and fall under the permitting jurisdiction of San Luis Obispo and Santa Barbara counties.

Cuyama River (MRZ-2 PCC)

This MRZ-2 contains sand and gravel deposits in the channel of the Cuyama River in the far northeastern part of Santa Barbara County and in the southeastern part of San Luis Obispo County (Plate 1). This new MRZ-2 covers an area of about 2,723 acres. The MRZ contains one active sand and gravel operation, the GPS River Rock Products, Inc., Ventucopa Plant that mainly serves areas to the east in Kern County. There is also a newly permitted site that was not yet active at the time of this study—the proposed Diamond Rock Mine site. Both of these mines are in Santa Barbara County. In the active mine area, the alluvial deposits consist of about 35 percent gravel and about an equal percentage of sand. The deposit is used for all grades of aggregate, including PCC.

Bee Rock Quarry (MRZ-2 PCC)

This MRZ-2 contains a limestone deposit of Tertiary age. It is about two miles south of Lake Cachuma, on the south side of Bee Rock in Santa Barbara County. This new MRZ-2 is about 40 acres in area. The Bee Rock Quarry is operated by Granite Construction Company and material from here is marketed for PCC in the San Luis Obispo-Santa Barbara P-C Region.

CONCRETE-GRADE AGGREGATE RESOURCE SECTORS IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

An evaluation of concrete-grade aggregate resources in the San Luis Obispo-Santa Barbara P-C Region is presented in this section of the report. This evaluation was based on a quantitative measurement of suitable concrete-grade aggregate resources classified MRZ-2.

Concepts Used in Identifying Aggregate Resource Sectors

The State Geologist is responsible for identifying and calculating the amount of aggregate resources contained in areas classified as MRZ-2. Recognizing that there are lands within these areas that have already been urbanized, and therefore the mineral resources within them have a limited opportunity for conservation, development, and utilization, the State Geologist further limits the aggregate resource calculations to areas within "Sectors."

Sectors are areas that have been classified as MRZ-2 by the State Geologist, and that have current land uses deemed compatible with potential mining based on criteria provided by the Board. Compatible land uses are defined as those that are non-urbanized or that have very low-density residential developments (one dwelling unit per ten acres or less), land without high-cost improvements, and land used for agriculture, grazing, or open space. Urbanization and/or incompatible land uses are defined as improvements of high cost, such as high-density residential developments, intensive industrial developments, commercial developments, and major public facilities.

Mineral land classification, which is done without regard for current land use, results in a delineation of the resource areas on maps; but this by itself does very little to put into perspective the resource base that is available to meet the future needs of a region. Sectors are used to focus the attention of land-use planners and local governments on the areas that remain accessible for mineral extraction. The State Geologist calculates the available resources of each Sector and identifies the amount of remaining resources that have been permitted for mining. Resources that have been permitted for mining are termed "reserves." The calculated reserves and resources of all the Sectors within a P-C Region are compared with the State Geologist's forecast of the 50-year needs of that P-C Region for the particular mineral resource.

Each Sector, or group of Sectors, meets or exceeds the Board's threshold value, and each Sector may be considered for designation as an area of regional or statewide significance by the Board pursuant to SMARA. The Board only considers land within Sectors for designation.

For this update, the determination of land use as non-urbanized was based on conditions as of October 2010. The land use was determined by reference to satellite imagery, field reconnaissance, and consultation with local planners.

The Board's criteria for creating Sectors focuses on the apparent suitability of the land for mining and does not take into consideration land commitments (other than approved tracts or Specific Plans) that may have been made that restrict the accessibility of some of the Sectors for mining. It is possible, therefore, that the available resource base as calculated by the State Geologist may be overestimated.

Calculation of Available Aggregate Resources

In this update report, all lands in and near the San Luis Obispo-Santa Barbara P-C Region, classified as containing significant concrete-grade aggregate resources (area classified MRZ-2 for PCC- or AC-grade resources) and not precluded from mining by incompatible land uses, are divided into nine Sectors - A, B, C, D, E, F, G, H, and I. Seven of these Sectors (A, C, D, E, F, G, and I) are further subdivided into 77 subsectors to recognize the location of existing highways, canals, bridges, power lines, pipelines, etc., and to allow for more realistic resource calculations. The areas of the Sectors were calculated using a Geographic Information System (GIS). The total area is 41,217 acres; with 38,454 acres inside the P-C Region and 2,763 acres of newly identified concrete-grade aggregate resources near the P-C Region. Following is a brief description of the Sectors, which are shown on Plates 2A to 2D. The area and resources in each Subsector are listed in the Appendix.

Special Report 162 previously identified five Mineral Resource Sectors for PCC-grade aggregate resources in the region (Sectors A through E). Sectors A through E from SR-162, although similar, are not identical to Sectors A through E presented in this update report because of land use changes and variations caused by differences in the methods and factors used in calculating area and volume in the two studies.

Resource tonnage calculations for this report were made by calculating the volume of a deposit and multiplying by factors such as in-place density and estimates of the waste content of the materials. Most factors used in this report to describe the PCC- and AC-grade aggregate resources within Sectors are the same as those used in SP 162 and listed in that report. However, more conservative waste factors were used in recalculating the resources for Sectors D and E based on information provided by producers in these areas and on field examination of deposits. This resulted in a decrease in calculated resources, particularly in Sector D. The calculations are current as of October 2010.

Concrete-Grade Aggregate Resource Sectors the San Luis Obispo-Santa Barbara P-C Region

Special Report 162 described five Sectors in the P-C Region – Sectors A, B, C, D, and E. These Sectors have been retained with revisions as described above. New Sectors identified in this update investigation will be described in the next section. Sectors A, C, D, and E are subdivided in this report into 56 subsectors. A summary of the resources is given in Table 2 and a more detailed breakdown of the subsector figures is given in the Appendix. Following are descriptions of these Sectors:

> Sector A – Deposits in the recent river channel and adjacent floodplain along about fourteen miles of the Salinas River, from the southeastern city limits of Atascadero to the Niblick Road Bridge in the city of Paso Robles. Sector A has been subdivided into five subsectors identified as A-1a, A-1b, A-2a, A-2b, and A-3. The combined area of the five subsectors is 1,687 acres; estimated resources are 48 million tons of PCC-grade aggregate.

Sector B – Deposits of the active channel and floodplain of Navajo Creek, from one-and-a-half miles upstream of the Highway 58 crossing to about three miles upstream of the crossing. The area of this Sector is 122 acres; the resource and reserve figure of PCC-grade aggregate is proprietary.

Sector C – The La Panza Granitics southeast of the City of Atascadero. Sector C is divided into four subsectors identified as C-1a, C-1b, C-2, and C-3. The combined area of the subsectors is 12,289 acres; the estimated crushed stone resources are estimated to be over 6 billion tons of PCC-grade aggregate. The reserve total for Sector C is proprietary.

Sector D – Alluvial deposits of the active river channel and adjacent floodplain of the Santa Maria River. This Sector includes land in both San Luis Obispo and Santa Barbara counties and is divided into 41 subsectors identified as D-1 through D-37 (see Appendix). The combined area of the subsectors is 16,862 acres; estimated resources are 3,836 million tons of PCC-grade aggregate.

Sector E – Alluvial deposits of the active river channel and adjacent floodplain of the Sisquoc River. The Sector extends along the river from about seven miles east of the community of Sisquoc, downstream to the confluence with the Cuyama River. Sector E is divided into five subsectors identified as E-1 through E-4 (subsector E-3 is split into "a" and "b"). The combined area of the subsectors is 3,690 acres; estimated resources are 433 million tons of PCC-grade aggregate.

Newly Identified Aggregate Resource Sectors in and near the San Luis Obispo-Santa Barbara P-C Region

This report describes four newly identified aggregate resource Sectors: one along the Santa Ynez River within the P-C Region (Sector F), another along the Cuyama River outside of the P-C Region (Sector G), another in the Santa Ynez Range south of Cachuma Reservoir outside of the P-C Region (Sector H), and a fourth along Huerhuero Creek both inside and outside of the P-C Region (Sector I). A summary of the resources is given in Table 2 and a more detailed breakdown of the subsector figures is given in the Appendix. Following are descriptions of these Sectors:

Sector F – Alluvial deposits of the active river channel and adjacent floodplain of the Santa Ynez River. The Sector extends from just downstream of Cachuma Dam to about eight miles downstream of the Highway 101 Bridge. Sector F is divided into seven subsectors identified as F-1 through F-7. The combined area of the seven subsectors is 3,576 acres. The estimated resources are 280 million tons of AC-grade aggregate. Although this area was classified MRZ-2 for AC-grade aggregate in SR162, it was not included in the aggregate resource sector descriptions of that report. It was not included because that report focused on PCC-grade aggregate deposits. It has been included as a sector in this report, which emphasizes "concrete-grade" (both PCC and AC) deposits.

Sector G – Alluvial deposits of the Cuyama River, from the Highway 166 bridge, south (upstream) to the Ventura County line—a distance of about 24 miles. Sector G is divided into four subsectors identified as G-1 through G-4. The combined area of the subsectors is 2,723 acres; estimated resources (including reserves) are 367 million tons of PCC-grade aggregate. The aggregate reserve total is confidential. Aggregate resources from this Sector do not currently contribute to the San Luis Obispo-Santa Barbara P-C Region market and, therefore, are not included with the resource totals in the Region. This deposit does serve western Kern County and is, therefore, a significant aggregate resource.

Sector H – Limestone deposits on the south side of Bee Rock. The area of Sector H is about 40 acres. The aggregate reserves and resources of PCC-grade aggregate in this Sector are confidential.

Sector I – Alluvial deposits in the active channel of the Main Branch, Middle Branch and East Branch of Huerhuero Creek, from 1.1 mile north of the intersection of State Highway 58 and O'Donovan Road, north (downstream) to approximately 0.25 mile north of the Creston Road crossing over Huerhuero Creek three miles north of State Highway 4 —a linear distance (in two segments) of about 10 miles. Sector I is divided into 11 subsectors identified as I-1 through I-11. From north to south, Sectors I-1 through I-8 are in the Main and Middle Branches of Huerhuero Creek. Sectors I-9 through I-11 are in the East Branch of Huerhuero Creek. The combined area of the subsectors is 228 acres containing 5 million tons of aggregate resources. The aggregate reserves are confidential.

Table 2. Summary of concrete-grade aggregate resources and reserves in the San Luis Obispo-Santa Barbara P-C Region in 2010.

Sector	Resources (includes Reserves) In 2010 (million tons)	Reserves (Permitted Resources) In 2010 (million tons)
A*	48	0
B*	P	P
C*	6,095	P
D*	3,836	P
E*	433	P
F	280	P
G	367**	P**
H	P	P
I	5	P
Totals	**>10,697**	**75**

P: Sector contains reserves or resources that are proprietary.
*Sectorized in SR 162
** not included in table total; see text for explanation

Aggregate Resources and Reserves in the San Luis Obispo-Santa Barbara P-C Region

Within and near the San Luis Obispo-Santa Barbara P-C Region, eight Sectors (A, B, C, D, E, F, H, and I) are calculated to contain approximately 10.7 billion tons (>10,672 million tons) of concrete-grade aggregate resources. This would appear similar to the 11.2 billion tons of PCC-grade aggregate resources identified in 1989. However several changes have occurred that must be taken into consideration in comparing these two numbers. These changes include subtractions of about 788 million tons (7 percent) of resources because of:

- Aggregate production (90 million tons, 0.8 percent),
- losses to urbanization (273 million tons, 2.4 percent), and
- reductions due to the use of a more conservative waste factor in recalculating the resources in Sectors D and E (425 million tons, 3.8 percent).

Other changes include the addition of more than 285 million tons of newly identified resources in Sectors F, H, and I.

The resources in a ninth Sector (G) are not included in the resource base for the P-C Region because that resource Sector provides material to Kern County and is unlikely to provide material to the P-C Region in the near future.

The aggregate reserves (permitted resources) are 75 million tons. This is less than the reserves of 132 million tons identified in 1989, but the reduction is less than the production (90 million tons) for 1989-2009 period indicating that new reserves have been permitted in that time period.

PART III – AGGREGATE PRODUCTION IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

As of July 2010, the following six companies operated ten mines producing concrete-grade aggregate in the San Luis Obispo-Santa Barbara P-C Region:

- Buellflat Rock Company, Inc.
- CalPortland Company (three mines)
- Granite Construction Company (two mines)
- Hanson – Heidelberg Cement Group (two mines)
- Navajo Concrete, Inc.
- RoXsand. Inc.

Mine locations are shown on Plates 2a-2d and the mines are briefly described below:

Buellflat Rock Company, Inc., mines alluvium from the Santa Ynez River near the City of Solvang. The mine produces AC aggregate.

CalPortland Company operates the Rocky Canyon Quarry in unincorporated San Luis Obispo County, about five miles southeast of the City of Atascadero. CalPortland Company also operates a series of pits in the Santa Maria and Sisquoc rivers east of the City of Santa Maria. These pits are within both San Luis Obispo and Santa Barbara counties. Both of these aggregate mines were operated by Union Asphalt, Inc. until CalPortland bought Union Asphalt, Inc. in 2008. Both mines produce a range of aggregate products including portland cement concrete aggregate. CalPortland Company operates a third mine along a one-and-a-half mile stretch of Huerhuero Creek from which they produce AC aggregate (Creston Mine).

Granite Construction Company operates a sand and gravel pit on a terrace of the Santa Ynez River east of Highway 101 and south of Buellton. Granite Construction Company also operates a limestone quarry—the Bee Rock Quarry—just outside the P-C Region boundary in the Santa Ynez Mountains, south of Lake Cachuma. The Buellton facility produces road building material, including asphaltic aggregate; the Bee Rock Quarry produces PCC aggregate.

Hanson operates two mines; one in San Luis Obispo County—the Santa Margarita Quarry, and one in Santa Barbara County in the Sisquoc River. The Santa Margarita Quarry was previously owned by Southern Pacific Milling Company and the Sisquoc River pit was owned by Kaiser Sand and Gravel Company. Both mines produce a range of aggregate products including PCC aggregate.

Navajo Concrete, Inc. (formerly Navajo Rock and Block Company) operates a sand and gravel mine along Navajo Creek in San Luis Obispo County. They produce PCC-grade aggregate from alluvial deposits.

RoXsand, Inc. (formerly Troesh Ready Mix, Inc.) operates a sand and gravel pit in the Santa Maria River north of the City of Santa Maria. They produce PCC-grade aggregate.

AGGREGATE PRODUCTION DATA

Aggregate production data for the San Luis Obispo-Santa Barbara P-C Region for the years 1990 through 2009 were derived from annual mine production data collected by the California Department of Conservation's Office of Mine Reclamation. Production figures for 1987 were gathered from producers by CGS in 1987; the production figures for 1988 and 1989 were extrapolated from 1987 and 1990 data.

As shown in Table 3, aggregate consumption in the San Luis Obispo-Santa Barbara P-C Region has ranged from 5.5 million tons (2003 and 2005) to 2.5 million tons (2009)—the last year production figures are available. Since the time of the original report (SR 162, 1989) nearly 90 million tons of aggregate have been consumed in the Region. This represents an average annual aggregate consumption rate of 6.6 tons per capita.

Table 3. Population, Estimated Construction Aggregate Consumption (all grades), and Per Capita Consumption in the San Luis Obispo-Santa Barbara P-C Region 1988-2009.

Year	Population	Estimated Annual Consumption (tons)*	Per Capita Consumption (tons/person)
1988	553,165	3,241,000	5.9
1989	558,764	3,241,000	5.8
1990	564,363	3,592,000	6.4
1991	569,962	2,878,000	5.0
1992	575,561	3,230,000	5.6
1993	581,160	2,756,000	4.7
1994	586,759	3,235,000	5.5
1995	592,358	3,717,000	6.3
1996	597,958	3,537,000	5.9
1997	603,557	4,243,000	7.0
1998	609,156	4,777,000	7.8
1999	614,755	5,255,000	8.6
2000	620,354	4,784,000	7.7
2001	627,951	5,042,000	8.0
2002	635,509	5,221,000	8.2
2003	641,719	5,541,000	8.6
2004	647,604	4,843,000	7.5
2005	652,677	5,533,000	8.5
2006	656,829	4,762,000	7.3
2007	661,584	4,040,000	6.1
2008	667,941	3,823,000	5.7
2009	673,551	2,532,000	3.8
		Total 89,823,000	**Average 6.6**

* Consumption = regional production + net imports/s. Aggregate consumption figures are rounded to the nearest 1,000 tons.

PART IV – UPDATED ESTIMATE OF 50-YEAR CONSUMPTION OF AGGREGATE IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

The Board, as specified in its guidelines for classification and designation of mineral land (California State Mining and Geology Board, 2000), requires that mineral land classification reports for regions containing construction materials classified as MRZ-2 include "An estimate of the total quantity of each such construction material that will be needed to supply the requirements of both the county and the marketing region in which it occurs for the next 50 years. The marketing region is defined as the area within which such material is usually mined and marketed. The amount of each construction material mineral resource needed for the next 50 years shall be projected using past consumption rates adjusted for anticipated changes in market conditions and mining technology." This section contains the revised estimate of aggregate needs for the San Luis Obispo-Santa Barbara P-C Region, projected through the year 2060.

CORRELATION BETWEEN AGGREGATE CONSUMPTION AND POPULATION

Past studies of production-consumption regions in California have shown a correlation between the amount of aggregate consumed and the population of the market area (Anderson and others, 1979). An aggregate report for Los Angeles County (Miller, 1994) includes a statistical analysis of aggregate consumption versus population suggesting that roughly two-thirds of the variation in aggregate consumption could be attributed to population variance. The fact that large market regions such as Los Angeles County show a correlation between aggregate production and population indicate that population is a major factor in determining aggregate consumption in many areas. Other factors, such as major public construction projects can randomly add large amounts of aggregate to consumption figures. The economy also has a strong influence on aggregate demand, but the simple factor of population was selected because it most influences aggregate demand over long periods of time.

A comparison of the projected aggregate demand for the San Luis Obispo-Santa Barbara P-C Region from SR 162 (1989) and actual production data for the period of 1988 to 2009 is shown in Figure 2. Using an annual per capita consumption rate of 6.0 tons, SR 162 projected that the demand for aggregate in the San Luis Obispo-Santa Barbara P-C region for 1988-2009 would be 75 million tons. Actual aggregate consumption in the San Luis Obispo-Santa Barbara P-C Region for 1988-2009 was approximately 90 million tons. The difference between projected demand and actual consumption—15 million tons—was 20 percent greater than projected. This difference was likely caused by slightly greater population growth than previously projected and also by higher rates of construction during the 1995-2005 time period.

Population data for the San Luis Obispo-Santa Barbara P-C Region for the years 1988 to 2009 were obtained from census tract data from the U.S. Census Bureau (2010) for the 1990 and 2000 censuses. The populations of complete census tracts within the P-C Region were summed with the partial populations of partial tracts. The population of partial tracts was estimated based on the percentage of the included area. Population for each year between the decennial census years was interpolated. The average per capita aggregate consumption rate for the years 1988 through

2009 was 6.6 tons per person per year (Table 3). This rate was used for projecting future aggregate demands within the P-C Region.

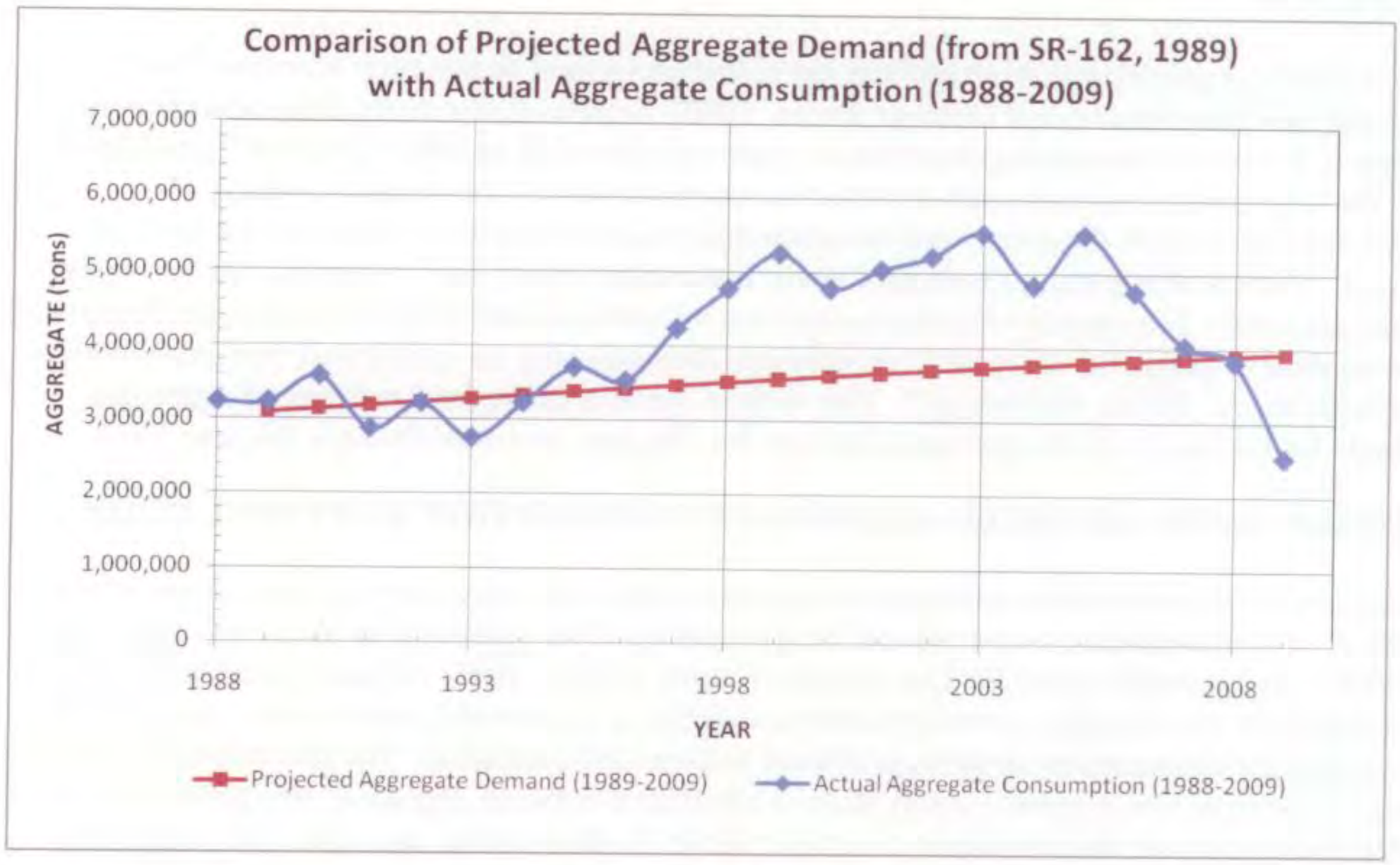

Figure 2. Comparison of projected demand in the San Luis Obispo-Santa Barbara P-C Region with recorded aggregate consumption, 1988-2009.

POPULATION PROJECTION FOR THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION THROUGH THE YEAR 2060

The year-2000 population for the census tracts within the P-C Region was divided by the total year-2000 population of San Luis Obispo and Santa Barbara counties. The resulting ratio was used to estimate the San Luis Obispo-Santa Barbara P-C Region's future population for the years 2010, 2020, 2030, 2040 and 2050.

The population projection for the San Luis Obispo-Santa Barbara P-C Region was derived from official projections for counties published by the California Department of Finance's Demographic Research Unit (California Department of Finance, 2010) and the population percentage factor for the P-C Region, cited above. Report 06 P-1(on the California Department of Finance's website) provides population projections for counties in California for the years 2010, 2020, 2030, 2040 and 2050. Yearly population estimates were interpolated from the bracketing 10-year projected population numbers and extrapolated for the years 2051 through 2060. The population of the San Luis Obispo-Santa Barbara P-C Region is projected to increase from 684,127 in 2011 to 912,003 in 2060, an increase of about 33 percent.

PROJECTED AGGREGATE DEMAND FOR THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION THROUGH THE YEAR 2060

An analysis using projected population and annual per capita consumption rate, derived by methods described in preceding sections, was used to forecast the aggregate demand of the San Luis Obispo-Santa Barbara P-C Region through the year 2060. The calculated annual per capita consumption rate of 6.6 tons (from Table 3) was multiplied by the projected annual population for each year through the year 2060 to produce the projected aggregate demand shown in Table 4.

The result of this projection shows that an estimated 263 million tons of aggregate will be needed to satisfy future demand in the San Luis Obispo-Santa Barbara P-C Region through the year 2060. Of this total, it is estimated that approximately 52 percent, or 137 million tons, will be used in PCC and AC, with the remainder being used in other construction aggregate products. This percentage is based on estimates by the producers of current aggregate usage. This updated 50-year demand for the period 2011 to 2060 is nearly 30 percent higher than the 50-year demand projected in 1989 to 2038 in SR 162.

Table 4. Projected Population and Aggregate Demand in the San Luis Obispo-Santa Barbara P-C Region 2011-2060

YEAR	PROJECTED POPULATION	PROJECTED AGGREGATE DEMAND (all grades - in tons)	ESTIMATED CONCRETE AGGREGATE DEMAND (in tons)	YEAR	PROJECTED POPULATION	PROJECTED AGGREGATE DEMAND (all grades - in tons)	ESTIMATED CONCRETE AGGREGATE DEMAND (in tons)
2011	684,127	4,515,238	2,347,924	2037	801,403	5,289,260	2,750,769
2012	688,478	4,543,955	2,362,856	2038	805,961	5,319,343	2,766,058
2013	692,829	4,572,671	2,377,789	2039	810,520	5,349,432	2,781,705
2014	697,180	4,601,388	2,392,722	2040	815,079	5,379,521	2,797,351
2015	701,531	4,630,105	2,407,654	2041	819,925	5,411,505	2,813,983
2016	705,883	4,658,828	2,422,590	2042	824,771	5,443,489	2,830,614
2017	710,234	4,687,544	2,437,523	2043	829,618	5,475,479	2,847,249
2018	714,585	4,716,261	2,452,456	2044	834,464	5,507,462	2,863,880
2019	718,936	4,744,978	2,467,388	2045	839,310	5,539,446	2,880,512
2020	723,287	4,773,694	2,482,321	2046	844,156	5,571,430	2,897,143
2021	727,907	4,804,185	2,498,177	2047	849,002	5,603,413	2,913,775
2022	732,528	4,834,685	2,514,036	2048	853,849	5,635,403	2,930,410
2023	737,148	4,865,177	2,529,892	2049	858,695	5,667,387	2,947,041
2024	741,769	4,895,676	2,545,751	2050	863,541	5,699,371	2,963,673
2025	746,389	4,926,167	2,561,607	2051	868,387	5,731,354	2,980,304
2026	751,009	4,956,659	2,577,463	2052	873,233	5,763,338	2,996,936
2027	755,630	4,987,158	2,593,322	2053	878,080	5,795,328	3,013,571
2028	760,250	5,017,650	2,609,178	2054	882,926	5,827,312	3,030,202
2029	764,871	5,048,149	2,625,037	2055	887,772	5,859,295	3,046,834
2030	769,491	5,078,641	2,640,893	2056	892,618	5,891,279	3,063,465
2031	774,050	5,108,730	2,656,540	2057	897,464	5,923,262	3,080,096
2032	778,609	5,138,819	2,672,186	2058	902,311	5,955,253	3,096,731
2033	783,167	5,168,902	2,687,829	2059	907,157	5,987,236	3,113,363
2034	787,726	5,198,992	2,703,476	2060	912,003	6,019,220	3,129,994
2035	792,285	5,229,081	2,719,122	**50-Year Demand:**		**262,607,321**	**136,555,807**
2036	796,844	5,259,170	2,734,769				

COMPARISON OF THE 50-YEAR AGGREGATE DEMAND WITH CURRENT CONCRETE-GRADE AGGREGATE RESERVES

The total concrete-grade aggregate reserves of 75 million tons (see Table 2) in the San Luis Obispo-Santa Barbara P-C Region are projected to last 16 years (into the year 2026, see Figure 3). If all of the concrete-grade aggregate reserves were to be used exclusively as concrete aggregate, the supply would theoretically last 30 years (into 2041). In reality, 48 percent of the concrete-grade aggregate reserves likely will be used for other lower grade aggregate products such as base and subbase, and a depletion date of 2026 is considered more realistic. However, even this date may be optimistic. An important consideration is that not all of the aggregate reserves may be minable under existing permits because of operating restrictions or because of expiration dates that may not allow reserves to be completely mined.

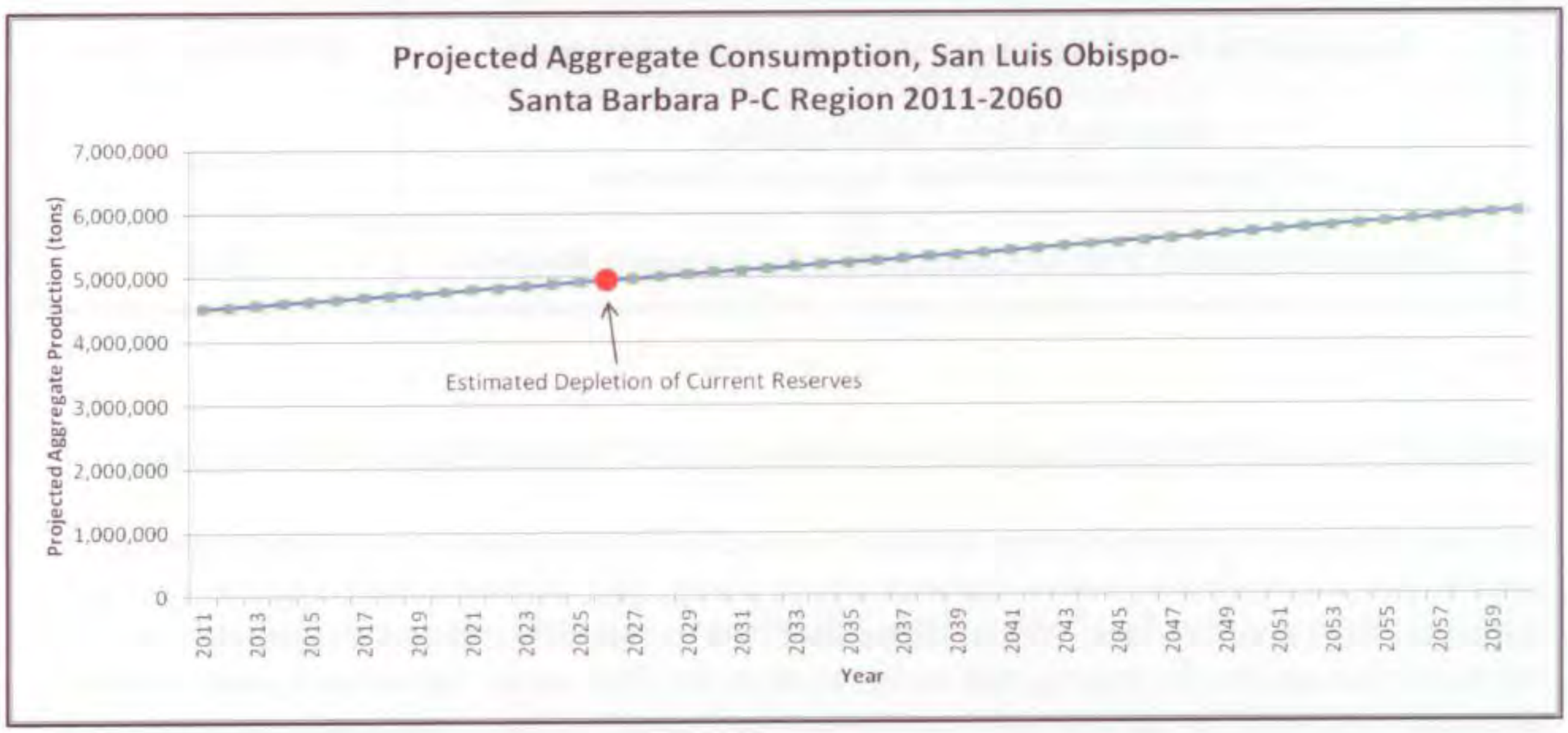

Figure 3. Projected construction aggregate demand in the San Luis Obispo-Santa Barbara P-C Region 2011-2060.

Comparing regional needs to available reserves and resources demonstrates the construction aggregate resource issues confronting the P-C Region. This includes the need to plan carefully for the use of lands containing these resources and the need to consider the permitting of additional aggregate resources in the region before currently permitted deposits are depleted.

Table 5 summarizes the identified aggregate resources and estimated future aggregate demands for the San Luis Obispo-Santa Barbara P-C Region. The projected lifespan of the aggregate reserves assumes that mining of these reserves will continue until the reserves are depleted. In addition, should unforeseen events occur, such as massive urban renewal, infrastructure projects,

reconstruction in the wake of a disaster, or major economic recession, the demand for construction aggregate in the San Luis Obispo-Santa Barbara P-C Region may change considerably, which could alter the lifespan of the aggregate reserves.

Table 5. Summary of concrete-grade aggregate reserves, projected 50-year demand, and depletion date for the San Luis Obispo-Santa Barbara P-C Region.

Estimated Concrete-Grade Aggregate Resources	**10.7 Billion Tons**
Concrete-Grade Aggregate Reserves	**75 Million Tons**
Projected 50-Year Construction Aggregate Demand (all aggregate grades)	**263 Million Tons**
Projected 50-Year Demand for Concrete-Grade Aggregate	**137 Million Tons**
Estimated Years Until Depletion of Current Concrete-Grade Aggregate Reserves	**16 Years**
Estimated Depletion Date of Concrete-Grade Aggregate Reserves	**2026**

SPECIFIC PLANS IN THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

San Luis Obispo and Santa Barbara counties have taken an important step in their planning process that is intended to ensure future access to a large part of their concrete-grade aggregate resources. Both counties have adopted Specific Plans designed to serve as the primary land use and regulatory guides for mining and reclamation in the Plan areas. The overall goals of these plans are to provide for the long term production and conservation of aggregate resources in a manner compatible with existing surrounding land use, while minimizing adverse impacts to the environment. A 12-mile section of the Santa Maria and Sisquoc rivers is covered by a Specific Plan (Santa Barbara County, 1997; and San Luis Obispo County, 1998) adopted by both counties, and the Rocky Canyon Quarry area is included in a Specific Plan (San Luis Obispo County, 1998) adopted by San Luis Obispo County.

The plans set forth goals, objectives, and policies for resource utilization and protection, and environmental protection, as well as operation, reclamation, and monitoring criteria. All actions taken by the regulatory agencies involving plan review and approval for mining and reclamation within the Plan area must be consistent with these Plans. These specific plans represent significant additions to the mineral management policies of the two counties, as they include parts of the two largest PCC-grade aggregate resource areas in the P-C Region.

POTENTIAL ALTERNATIVE SOURCES OF AGGREGATE FOR THE SAN LUIS OBISPO-SANTA BARBARA P-C REGION

Potential sources of concrete aggregate, in addition to the deposits classified MRZ-2 in this update, exist within and near the San Luis Obispo-Santa Barbara P-C Region. The potential sources within the region are in areas that are classified as MRZ-3 and include areas underlain by Holocene alluvial deposits, Tertiary sedimentary deposits, and crystalline rocks. Too little is known about these deposits to allow more than a general description. SR 162 contains a description of these deposits in the section titled "Alternative Sources of Aggregate."

Potential sources outside of the San Luis Obispo-Santa Barbara P-C Region include the production areas in the Simi Valley and San Fernando P-C regions to the southeast. Both of these regions presently provide some aggregate to the Santa Barbara City area.

RECYCLED AGGREGATE

During the past three decades, the use of recycled inert demolition debris such as concrete rubble and slab asphalt rubble has steadily increased in California. The most recycled materials in California, by tonnage, are asphalt and concrete. Recycling programs that recover demolition rubble, such as asphalt and concrete, significantly reduce the waste-stream going into landfills and also extend the life of existing aggregate mines. However, recycled aggregate generally is not suitable for use as PCC aggregate, although some is used in AC aggregate. The bulk of recycled aggregate is used as base materials.

In the San Luis Obispo-Santa Barbara P-C Region, the rate of recycling of demolition waste is high. Based on recycler estimates, roughly 250,000 tons of recycled aggregate was reclaimed from demolished construction materials in the P-C Region in 2009. This figure will vary, depending on amounts available and demands for the products. Unless there is a large change in the use of recycled material for aggregate, there will not be a significant effect on the mining of new aggregate deposits and the projection of future demand for raw aggregate materials will not change significantly.

PART VI - CONCLUSIONS

Reevaluation and recalculation of the concrete aggregate (PCC and AC) resources in this study concludes that the San Luis Obispo – Santa Barbara P-C Region contains about 10.7 billion tons of concrete aggregate resources. This number is slightly less than the 11.2 billion tons of PCC-grade aggregate resources identified by SR 162 in 1989. The updated figure includes a decrease of about 788 million tons of concrete-grade aggregate resources (approximately 90 million tons of production, 273 million tons due to land use changes since 1989, and 425 million tons due to a change in waste factors used). Also included are the additions of about 280 million tons of AC-grade aggregate resources along the Santa Ynez River; about 5 million tons of AC-grade resources in an area along Huerhuero Creek at the northestern boundary of the P-C Region; and the PCC-grade limestone deposits at Bee Rock. The resources identified along the Cuyama River were not included in the resource base for the P-C Region at this time as that area is not currently serving the P-C Region.

Based on available historic population and production data, and population projections, the San Luis Obispo-Santa Barbara P-C Region will need 263 million tons of aggregate during the next 50 years. Of this projected demand, it is estimated that 52 percent, or 137 million tons, must be suitable for use in PCC or AC. The presently permitted concrete-grade (PCC and AC) aggregate reserves of 75 million tons represent less than 30 percent of the projected construction aggregate demand of the next 50 years. These permitted reserves are projected to last until the year 2026, 16 years from the present. If a major earthquake or similar unforeseen catastrophic event strikes the region and necessitates reconstruction, existing reserves may be depleted sooner. A comparison of the results of the current study with those of the 1989 study is presented in Table 6.

Table 6. Results of this update report compared with Special Report 162 for the San Luis Obispo-Santa Barbara P-C Region.

	Special Report 162	This Update Report
Identified Aggregate Resources*	11.2 Billion Tons (PCC-Grade only)	10.7 Billion Tons (Concrete-Grade)
Aggregate Reserves*	107 Million Tons (PCC-Grade only)	75 Million Tons (Concrete-Grade)
Projected 50-year Demand For all Aggregate	206 Million Tons	263 Million Tons
Projected 50-year Demand For PCC- or Concrete-Grade Aggregate	76 Million Tons (PCC-Grade only)	137 Million Tons (Concrete-Grade)
Estimated Number of Years Until Reserves* are Depleted	34 Years	16 Years
Estimated Depletion Date of Reserves*	2023	2026
Calculated Per Capita Aggregate Consumption	6.0 Tons	6.6 Tons

* Reserves are aggregate deposits that have been determined to be acceptable for commercial use, that exist within properties owned or leased by aggregate producing companies, and for which permits have been granted to allow mining and processing of the material. Resources include reserves as well as all potentially usable aggregate materials that may be mined in the future, but for which no permit allowing mining has been granted.

ACKNOWLEDGMENTS

CGS gratefully acknowledges the cooperation of all the local government agencies, organizations, and especially the aggregate producers, all of whom provided information during the course of this study. Special thanks are extended to Jeff Oliveira and James Caruso of the San Luis Obispo County Department of Planning and Building; Gary Kaiser of the Santa Barbara County Department of Planning and Development; Jeffery Clarin of the City of Santa Maria; Warren Frace and Annette Manier of the City of Atascadero Community Development Department; Kevin Will of Buellflat Rock Company; Andy Jeremiah and Chris Clifford of Hanson Aggregates, Inc.; Bob Kober and Chuck Van Tassel of CalPortland Company; and Jerry Bohanan of Vulcan Materials Company.

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APPENDIX A– SAN LUIS OBISPO-SANTA BARBARA P-C REGION SECTOR SUMMARIES

SR 162	THIS UPDATE REPORT		
Sector[1]	Sector	Area (acres)	Resources (million tons)
A-1	A-1a	62	1.8
A-1	A-1b	597	17
A-2	A-2a	565	16.1
A-2	A-2b	46	1.3
A-3	A-3	417	11.9
	Subtotal	**1,687**	**48.1**
B	B	122	P[4]
	Subtotal	**122**	**P[4]**
C-1	C-1a	6,116	3,033
C-1	C-1b	596	296
C-2	C-2	2,347	1,164
C-3	C-3	3,230	1,602
	Subtotal	**12,289**	**6,095**
D-1	D-1	925	166.9
D-2	D-2	1,616	263.9
D-3	D-3	472	66.6
D-4	D-4	1,116	226.4
D-5	D-5	332	76.8
D-6	D-6	593	127.4
D-7	D-7	391	97.8
D-8	D-8	130	31.1
D-9	D-9	271	13.1
D-10	D-10	717	157.6
D-11	D-11	1,148	275.8
D-12[2]			
D-13	D-13a	411	115.3
D-13	D-13b	2,021	581.1
D-14	D-14	27	7.7
D-15	D-15	271	40
D-16	D-16	349	57.5
D-17	D-17	55	15.2
D-18	D-18	279	72
D-19	D-19	17	2.7
D-20	D-20a	1,035	289
D-20	D-20b	18	3.3
D-21	D-21	430	105.3
D-22	D-22	57	14.9
D-23	D-23	247	54.8
D-24	D-24a	396	98.9
D-24	D-24b	624	156.3
D-25	D-25	59	12.7
D-26	D-26	44	11
D-27	D-27	25	4.3
D-28	D-28a	116	17
D-28	D-28b	56	8.7
D-29	D-29	116	32.7

SR 162	THIS UPDATE REPORT		
Sector[1]	Sector	Area (acres)	Resources (million tons)
D-30	D-30a	15	4.8
D-30	D-30b	59	19.8
D-31	D-31	195	46.3
D-32	D-32	614	167.2
D-33	D-33	69	15.6
D-34	D-34	227	46.4
D-35	D-35	207	32.6
D-36	D-36	982	267.5
D-37	D-37	130	32.1
	Subtotal	**16,862**	**3,836**
E-1	E-1	1,644	270.1
E-2	E-2	82	14.7
E-3	E-3a	157	17.8
E-3	E-3b	1,090	126.4
E-4	E-4	717	41.6
	Subtotal[3]	**3,690**	**433**
	F-1	1,390	108.8
	F-2	11	0.9
	F-3	879	68.8
	F-4	94	7.4
	F-5	322	25.2
	F-6	642	50.3
	F-7	238	18.6
	Subtotal	**3,576**	**280**
	G-1	527	71
	G-2	437	58.9
	G-3	1,042	140.4
	G-4	717	96.6
	Subtotal	**2,723**	**366.9**
	H	40	P[4]
	Subtotal	**40**	**P[4]**
	I-1	6	0.1
	I-2	15	0.3
	I-3	33	0.7
	I-4	20	0.4
	I-5	7	0.1
	I-6	8	0.2
	I-7	31	0.7
	I-8	35	0.8
	I-9	3	0.1
	I-10	19	0.4
	I-11	51	1.2
	Subtotal	**228**	**5**
	Total A-I	**41,217**	**11,064**

[1]Special Report 162 contained Sectors A-E. Sectors F-I are new sectors in this update report. [2]Sector D-12 from Special Report 162 has been completely lost to urbanization and is not included in this update report. [3]Production has occurred in subsectors E-1, E-3, and E-4 of Sector E but cannot be attributed to individual subsectors and is subtracted from the Sector total. [4]Sector contains resources/reserves that are proprietary.

Appendix C: Emissions Summary

Unmitigated Criteria Pollutant and Greenhouse Gasses

Parameter	Annual Emissions (tons/year)							Peak Day Emissions (pounds per day)					
	ROG	NOx	ROG+NOx	CO	PM10	PM2.5	CO2e	ROG	NOx	ROG+NOx	CO	PM10	PM2.5
Onsite													
Aggregate Plant	-	-	-	-	0.985	0.147	-	-	-	-	-	19.7	2.94
Recycle Plant	-	-	-	-	0.0942	0.0127	-	-	-	-	-	4.71	0.635
Unpaved Road Dust	-	-	-	-	2.00	0.200	-	-	-	-	-	18.2	1.82
Paved Road Dust	-	-	-	-	3.16	0.776	-	-	-	-	-	26.1	6.40
Reclamation	-	-	-	-	0.104	0.0572	-	-	-	-	-	3.01	1.66
Ripping	-	-	-	-	0.305	0.183	-	-	-	-	-	8.84	5.29
Load/unloading	-	-	-	-	0.908	0.138	-	-	-	-	-	18.2	2.75
Blasting	-	2.55	2.55	10.1	0.0728	0.00420	56.6	-	255	255	1,005	7.28	0.420
Non-Road Engines	1.01	9.45	10.5	13.0	0.353	0.325	744	22.0	217	238	304	8.05	7.41
Trucks - Running	0.0648	0.479	0.544	0.178	0.0201	0.0201	61.5	1.04	7.59	8.63	2.84	0.322	0.322
Trucks - Idling	0.0236	0.253	0.277	0.120	0.00210	0.00193	19.8	0.408	3.88	4.28	2.64	0.0409	0.0376
Subtotal:	**1.09**	**12.7**	**13.8**	**23.3**	**8.01**	**1.87**	**882**	**23.4**	**483**	**506**	**1,314**	**114**	**29.7**
Offsite													
Trucks	1.34	23.7	25.1	6.07	1.00	1.00	3,054	10.8	191	201.3	49.6	7.97	7.97
Passenger Vehicles	0.0307	0.0253	0.0559	0.276	0.00399	0.00173	24.8	0.245	0.202	0.448	2.21	0.0319	0.0138
Paved Road Dust	-	-	-	-	6.23	1.53	-	-	-	-	-	49.9	12.2
Subtotal:	**1.37**	**23.8**	**25.1**	**6.34**	**7.23**	**2.53**	**3,079**	**11.0**	**191**	**202**	**51.8**	**57.9**	**20.2**
Total													
Total:	**2.46**	**36.5**	**38.9**	**29.7**	**15.2**	**4.39**	**3,961**	**34.4**	**674**	**708**	**1,366**	**172**	**49.9**
Total w/o Blasting:	**2.46**	**33.9**	**36.4**	**19.6**	**15.2**	**4.39**	**3,904**	**34.4**	**419**	**453**	**361**	**165**	**49.5**
Total Dust:					**13.9**							**156**	
Total Dust w/o Blasting:					**13.8**							**149**	

Significance Threshold	25	25	25	550	25
Exceeds Threshold?	Yes	No	Yes	Yes	Yes
Exceeds Threshold w/o Blasting?	Yes	No	Yes	No	Yes

Mitigated Criteria Pollutant and Greenhouse Gasses

Parameter	Annual Emissions (tons/year)							Peak Day Emissions (pounds per day)					
	ROG	NOx	ROG+NOx	CO	PM10	PM2.5	CO2e	ROG	NOx	ROG+NOx	CO	PM10	PM2.5
Onsite													
Aggregate Plant	-	-	-	-	0.985	0.147	-	-	-	-	-	19.7	2.94
Recycle Plant	-	-	-	-	0.0942	0.0127	-	-	-	-	-	4.71	0.635
Unpaved Road Dust	-	-	-	-	0.25	0.025	-	-	-	-	-	2.3	0.23
Paved Road Dust	-	-	-	-	0.21	0.051	-	-	-	-	-	1.7	0.42
Reclamation	-	-	-	-	0.104	0.0572	-	-	-	-	-	3.01	1.66
Ripping	-	-	-	-	0.305	0.183	-	-	-	-	-	8.84	5.29
Load/unloading	-	-	-	-	0.908	0.138	-	-	-	-	-	18.2	2.75
Blasting	-	2.55	2.55	10.1	0.0728	0.00420	56.6	-	255	255	1,005	7.28	0.420
Non-Road Engines	1.01	6.85	7.86	13.0	0.178	0.163	744	22.0	159	181	304	4.34	3.99
Trucks - Running	0.0648	0.479	0.544	0.178	0.0201	0.0201	61.5	1.04	7.59	8.63	2.84	0.322	0.322
Trucks - Idling	0.0236	0.253	0.277	0.120	0.00210	0.00210	21.9	0.408	3.88	4.28	2.64	0.0409	0.0409
Subtotal:	**1.09**	**10.1**	**11.2**	**23.3**	**3.13**	**0.80**	**884**	**23.4**	**425**	**449**	**1,314**	**70**	**18.7**
Offsite													
Trucks	1.34	23.7	25.1	6.07	1.00	1.00	3,054	10.8	191	201.3	49.6	7.97	7.97
Passenger Vehicles	0.0307	0.0253	0.0559	0.276	0.00399	0.00173	24.8	0.245	0.202	0.448	2.21	0.0319	0.0138
Paved Road Dust	-	-	-	-	6.23	1.53	-	-	-	-	-	49.9	12.2
Subtotal:	**1.37**	**23.8**	**25.1**	**6.34**	**7.23**	**2.53**	**3,079**	**11.0**	**191**	**202**	**51.8**	**57.9**	**20.2**
Total													
Total:	**2.46**	**33.9**	**36.4**	**29.7**	**10.4**	**3.33**	**3,963**	**34.4**	**616**	**651**	**1,366**	**128**	**38.9**
Total w/o Blasting:	**2.46**	**31.3**	**33.8**	**19.6**	**10.3**	**3.33**	**3,906**	**34.4**	**361**	**396**	**361**	**121**	**38.5**
Total Dust:	-	-	-	-	**9.2**	-	-	-	-	-	-	**116**	-
Total Dust w/o Blasting:	-	-	-	-	**9.1**	-	-	-	-	-	-	**108**	-

Significance Threshold	25	25	25	550	25
Exceeds Threshold	Yes	No	Yes	Yes	Yes
Exceeds Threshold w/o Blasting?	Yes	No	Yes	No	Yes

Unmitigated Diesel Particulate Matter

Parameter	Annual Emissions (lbs/year)						Peak Day Emissions (pounds per day)		
	First Year	Phase 1 (Years 1 to 5)	Phase 2 (Years 6 to 10)	Phase3 (Years 11 to 25)	70 Year Average	25 Year Average	First Year	70 Year Average	25 Year Average
On-site									
Non-Road Engines	706	624	256	106	148	239	8.05	0.404	0.655
Trucks - Running	40.3	19.2	4.02	3.52	4.46	6.61	0.322	0.0357	0.0529
Trucks - Idling	4.20	2.37	0.966	0.730	0.819	1.08	0.0409	0.00655	0.00860
Subtotal:	**751**	**645**	**261**	**110**	**153**	**247**	**8.42**	**0.446**	**0.717**
Offsite Regional (Emissions from the road segment in the cancer risk model are presented elsewhere.)									
Trucks	1,991	1,169	669	651	689	758	7.97	2.76	2.92
Subtotal:	**1,991**	**1,169**	**669**	**651**	**689**	**758**	**7.97**	**2.76**	**2.92**
Total									
Total:	**2,742**	**1,815**	**929**	**761**	**842**	**1,005**	**16.4**	**3.20**	**3.64**

Significance Threshold	1.25	1.25	1.25
Exceeds Threshold?	Yes	Yes	Yes
Exceedance Amount	15.1	1.95	2.39

Mitigated Diesel Particulate Matter

Parameter	Annual Emissions (lbs/year)						Peak Day Emissions (pounds per day)		
	First Year	Phase 1 (Years 1 to 5)	Phase 2 (Years 6 to 10)	Phase 3 (Years 11 to 25)	70 Year Average	25 Year Average	First Year	70 Year Average	25 Year Average
On-site									
Non-Road Engines	355	354	255	59	90.2	157	4.34	0.247	0.430
Trucks - Running	40.3	19.2	4.02	3.52	4.46	6.61	0.322	0.0357	0.0529
Trucks - Idling	4.20	2.37	0.966	0.730	0.819	1.08	0.0409	0.00655	0.00860
Subtotal	**400**	**376**	**260**	**63**	**95**	**165**	**4.66**	**0.289**	**0.492**
Offsite Regional (Emissions from the road segment in the cancer risk model are presented elsewhere.)									
Trucks	1,991	1,169	669	651	689	758	7.97	2.76	2.92
Subtotal	**1,991**	**1,169**	**669**	**651**	**689**	**758**	**7.97**	**2.76**	**2.92**
Total									
Total	**2,390**	**1,545**	**928**	**715**	**784**	**923**	**12.6**	**3.05**	**3.41**

Significance Threshold	1.25	1.25	1.25
Exceeds Threshold?	Yes	Yes	Yes
Exceedance Amount	11.4	1.80	2.16

Notes:

DPM represents PM10 emissions from diesel combustion only.

Only truck exhaust emissions that occur on the modeled portion of the road are included. The road distance modeled offsite is equivalent to the road distance modeled onsite, so offsite truck emissions are equivalent to onsite truck running + idling emissions

DPM emissions from off-road and on-road equipment change over time. Regulations require that fleets be continually upgraded to meet more aggressive emissions standards. Therefore, in order to determine long term cancer risk impacts, the DPM emissions must be averaged over the duration of the assessment. For example, Phase 1 DPM emissions are averaged over the first 5 years of the Project and 70 year average DPM emissions are averaged over the 70 year maximum exposure duration for cancer risk assessment.

Criteria Pollutant Source Apportionment - Annual Average Operating Day Emissions

All values in this sheet are for Calendar Year 2013.

Apportionment of Non-Road Emissions

			Area per Volume (m^2)			Fraction of Total Emissions per Volume		
Source	**Size (m^2)**	**Phase**	**Phase 1**	**Phase 2**	**Phase 3**	**Phase 1**	**Phase 2**	**Phase 3**
VOL1	10,000	1	10,000	0	0	36.4%	0%	0%
VOL2	10,000	3	0	0	10,000	0%	0%	19.0%
VOL3	10,000	3	0	0	10,000	0%	0%	19.0%
VOL4	10,000	3	0	0	10,000	0%	0%	19.0%
VOL5	10,000	3	0	0	10,000	0%	0%	19.0%
VOL6	10,000	2	0	10,000	0	0%	44.4%	0%
VOL7	2,500	3	0	0	2,500	0%	0%	4.8%
VOL8	2,500	1	2,500	0	0	9.1%	0%	0%
VOL9	2,500	1	2,500	0	0	9.1%	0%	0%
VOL10	2,500	1	2,500	0	0	9.1%	0%	0%
VOL11	2,500	1	2,500	0	0	9.1%	0%	0%
VOL12	2,500	2	0	2,500	0	0%	11.1%	0%
VOL13	2,500	1	2,500	0	0	9.1%	0%	0%
VOL14	2,500	1	2,500	0	0	9.1%	0%	0%
VOL15	2,500	2	0	2,500	0	0%	11.1%	0%
VOL16	2,500	2	0	2,500	0	0%	11.1%	0%
VOL17	2,500	2	0	2,500	0	0%	11.1%	0%
VOL18	2,500	2	0	2,500	0	0%	11.1%	0%
VOL19	2,500	3	0	0	2,500	0%	0%	4.8%
VOL20	2,500	3	0	0	2,500	0%	0%	4.8%
VOL21	2,500	3	0	0	2,500	0%	0%	4.8%
VOL22	2,500	3	0	0	2,500	0%	0%	4.8%
VOL23	2,500	1	2,500	0	0	9.1%	0%	0%
		Total:	**27,500**	**22,500**	**52,500**	**100.0%**	**100.0%**	**100.0%**

Note: Sources representing Phases 2 and 3 are used only for cancer health risk assessment.

Total Phase 1 Annual Operating Day Emissions (i.e. annual emissions divided by 250 days per year)

Parameter	Unmitigated			Mitigated		
	PM10	**PM2.5**	**NO2**	**PM10**	**PM2.5**	**NO2**
Max Day (road, lb/day)	25.5	6.4	4.4	1.8	0.6	4.4
Max Day (non-road, lb/day)	38.0	8.5	56.7	22.6	5.8	41.1
Blasting (lb/day)	0.58	0.034	15.3	0.6	0.034	15.3
VOL6 - Blasting (g/s)	0.0067	0.0004	0.1753	0.0067	0.0004	0.1753

Phase 1 Emissions per Source

	Unmitigated			Mitigated		
Source	**PM10 (g/s)**	**PM2.5 (g/s)**	**NO2 (g/s)**	**PM10 (g/s)**	**PM2.5 (g/s)**	**NO2 (g/s)**
VOL1	0.1583	0.0354	0.2361	0.0941	0.0242	0.1713
VOL2	-	-	-	-	-	-
VOL3	-	-	-	-	-	-
VOL4	-	-	-	-	-	-
VOL5	-	-	-	-	-	-
VOL6	0.0067	0.0004	0.1753	0.0067	0.000385	0.1753
VOL7	-	-	-	-	-	-
VOL8	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL9	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL10	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL11	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL12	-	-	-	-	-	-
VOL13	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL14	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
VOL15	-	-	-	-	-	-
VOL16	-	-	-	-	-	-
VOL17	-	-	-	-	-	-
VOL18	-	-	-	-	-	-
VOL19	-	-	-	-	-	-
VOL20	-	-	-	-	-	-
VOL21	-	-	-	-	-	-
VOL22	-	-	-	-	-	-
VOL23	0.0396	0.0088	0.0590	0.0235	0.0060	0.0428
ONSITE (per src)	0.0086	0.0022	0.0015	0.0006	0.0002	0.0015

Notes:

11	hr/day used in model
453.59	g/lb
3600	sec/hr
0.75	ratio of NO2 to NOx

Criteria Pollutant Source Apportionment - Peak Day Emissions

All values in this sheet are for Calendar Year 2013.

Apportionment of Non-Road Emissions

			Area per Volume (m^2)			Fraction of Total Emissions per Volume		
Source	**Size (m^2)**	**Phase**	**Phase 1**	**Phase 2**	**Phase 3**	**Phase 1**	**Phase 2**	**Phase 3**
VOL1	10,000	1	10,000	0	0	36.4%	0%	0%
VOL2	10,000	3	0	0	10,000	0%	0%	19.0%
VOL3	10,000	3	0	0	10,000	0%	0%	19.0%
VOL4	10,000	3	0	0	10,000	0%	0%	19.0%
VOL5	10,000	3	0	0	10,000	0%	0%	19.0%
VOL6	10,000	2	0	10,000	0	0%	44.4%	0%
VOL7	2,500	3	0	0	2,500	0%	0%	4.8%
VOL8	2,500	1	2,500	0	0	9.1%	0%	0%
VOL9	2,500	1	2,500	0	0	9.1%	0%	0%
VOL10	2,500	1	2,500	0	0	9.1%	0%	0%
VOL11	2,500	1	2,500	0	0	9.1%	0%	0%
VOL12	2,500	2	0	2,500	0	0%	11.1%	0%
VOL13	2,500	1	2,500	0	0	9.1%	0%	0%
VOL14	2,500	1	2,500	0	0	9.1%	0%	0%
VOL15	2,500	2	0	2,500	0	0%	11.1%	0%
VOL16	2,500	2	0	2,500	0	0%	11.1%	0%
VOL17	2,500	2	0	2,500	0	0%	11.1%	0%
VOL18	2,500	2	0	2,500	0	0%	11.1%	0%
VOL19	2,500	3	0	0	2,500	0%	0%	4.8%
VOL20	2,500	3	0	0	2,500	0%	0%	4.8%
VOL21	2,500	3	0	0	2,500	0%	0%	4.8%
VOL22	2,500	3	0	0	2,500	0%	0%	4.8%
VOL23	2,500	1	2,500	0	0	9.1%	0%	0%
		Total:	**27,500**	**22,500**	**52,500**	**100.0%**	**100.0%**	**100.0%**

Note: Sources representing Phases 2 and 3 are used only for cancer health risk assessment.

Total Phase 1 Emissions

Parameter	**Unmitigated**			**Mitigated**		
	PM10	**PM2.5**	**NO2**	**PM10**	**PM2.5**	**NO2**
Max Day (road, lb/day)	26.5	6.8	8.6	2.1	0.8	8.6
Max Day (non-road, lb/day)	80.7	22.5	162.4	59.7	17.5	119.3
Blasting (lb/blast)	7.3	0.4	191.3	7.3	0.4	191.3

Phase 1 Emissions per Source

	Unmitigated			**Mitigated**		
Source	**PM10 (g/s)**	**PM2.5 (g/s)**	**NO2 (g/s)**	**PM10 (g/s)**	**PM2.5 (g/s)**	**NO2 (g/s)**
VOL1	0.3361	0.0938	0.6763	0.2487	0.0729	0.4967
VOL2	-	-	-	-	-	-
VOL3	-	-	-	-	-	-
VOL4	-	-	-	-	-	-
VOL5	-	-	-	-	-	-
VOL6	0.9173	0.0529	24.0970	0.9173	0.0529	24.0970
VOL7	-	-	-	-	-	-
VOL8	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL9	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL10	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL11	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL12	-	-	-	-	-	-
VOL13	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL14	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
VOL15	-	-	-	-	-	-
VOL16	-	-	-	-	-	-
VOL17	-	-	-	-	-	-
VOL18	-	-	-	-	-	-
VOL19	-	-	-	-	-	-
VOL20	-	-	-	-	-	-
VOL21	-	-	-	-	-	-
VOL22	-	-	-	-	-	-
VOL23	0.0840	0.0234	0.1691	0.0622	0.0182	0.1242
ONSITE (per src)	0.0089	0.0023	0.0029	0.0007	0.0003	0.0029

Notes:

11	hr/day used in model
453.59	g/lb
3600	sec/hr
0.75	ratio of NO2 to NOx

Cancer Risk Source Apportionment

Total DPM Emissions for Cancer Risk

Parameter	Unmitigated			Mitigated		
	Phase 1	Phase 2	Phase 3	Phase 1	Phase 2	Phase 3
Offroad (lb/yr) (volume sources)	624	256	106	354	255	58.9
# of years for this phase	5	5	15	5	5	15
Project life	25	25	25	25	25	25
Average Offroad (lb/yr)	**124.7**	**51.1**	**63.3**	**70.8**	**50.9**	**35.4**
Onsite road (lb/yr)	**21.5**			**21.5**		
Offsite Nearby Road (lb/yr) *	**56.0**			**56.0**		
Total DPM (lb/yr)	**317**			**235**		

Notes: Phase 1 offroad emissions are averaged over first five years and multiplied by 5/25 in order to be later added to the Phase 2 and 3 average emissions which are similarly averaged and then multiplied by 5/25 and 15/25, respectively. Average annual offroad emissions over the peak rate 25 year project is the sum of the three phases and calculated to be 239.2 lb/yr (unmitigated). Emissions from each phase are apportioned geographically by volume sources that cover the area of the site. The on-site and off-site lengths of road in the model result in roundtrips of 0.7 and 0.66 miles, respectively. Therefore, the road emissions on-site are assumed to equal the road emissions off-site.

DPM Emissions Per Source (see previous spreadsheet for percentage of activity within each volume source)

Source	Unmitigated DPM Emissions (lbs/year)				Mitigated DPM Emissions (lbs/year)			
	Phase 1	Phase 2	Phase 3	Total	Phase 1	Phase 2	Phase 3	Total
VOL1	45.36	-	-	**45.36**	25.76	-	-	**25.76**
VOL2	-	-	12.06	**12.06**	-	-	6.74	**6.74**
VOL3	-	-	12.06	**12.06**	-	-	6.74	**6.74**
VOL4	-	-	12.06	**12.06**	-	-	6.74	**6.74**
VOL5	-	-	12.06	**12.06**	-	-	6.74	**6.74**
VOL6	-	22.73	-	**22.73**	-	22.63	-	**22.63**
VOL7	-	-	3.02	**3.02**	-	-	1.68	**1.68**
VOL8	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL9	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL10	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL11	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL12	-	5.68	-	**5.68**	-	5.66	-	**5.66**
VOL13	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL14	11.34	-	-	**11.34**	6.44	-	-	**6.44**
VOL15	-	5.68	-	**5.68**	-	5.66	-	**5.66**
VOL16	-	5.68	-	**5.68**	-	5.66	-	**5.66**
VOL17	-	5.68	-	**5.68**	-	5.66	-	**5.66**
VOL18	-	5.68	-	**5.68**	-	5.66	-	**5.66**
VOL19	-	-	3.02	**3.02**	-	-	1.68	**1.68**
VOL20	-	-	3.02	**3.02**	-	-	1.68	**1.68**
VOL21	-	-	3.02	**3.02**	-	-	1.68	**1.68**
VOL22	-	-	3.02	**3.02**	-	-	1.68	**1.68**
VOL23	11.34	-	-	**11.34**	6.44	-	-	**6.44**
OFFSITE (per src)	---	---	---	*	---	---	---	*
ONSITE (per src)	---	---	---	**0.63**	---	---	---	**0.63**

* Offsite DPM emissions depend upon speed and idling along route as calculated on separate sheet.

Cancer Risk Source Apportionment
Dust Emissions

Parameter	Unmitigated			Mitigated		
	Phase 1	Phase 2	Phase 3	Phase 1	Phase 2	Phase 3
Offroad (lb/yr) (volume sources)	8942	8942	8942	5437	5437	5437
# of years for this phase	5	5	15	5	5	15
Project life	25	25	25	25	25	25
Average Offroad (lb/yr)	**1788**	**1788**	**5365**	**1087**	**1087**	**3262**
Onsite road (lb/yr)	**6326**			**414**		
Offsite Road (lb/yr)	**2110**			**2110**		
Total Dust (lb/yr)	**12371**			**4917**		

Note: Dust emissions remain contant over the life of the project but are apportioned over the site using the same method as described for DPM apportionment above.

Dust Emissions

Source	Unmitigated Dust Emissions (lbs/year)				Mitigated Dust Emissions (lbs/year)			
	Phase 1	Phase 2	Phase 3	Total	Phase 1	Phase 2	Phase 3	Total
VOL1	650.3	-	-	**650.3**	395.4	-	-	**395.4**
VOL2	-	-	1,021.9	**1,021.9**	-	-	621.4	**621.4**
VOL3	-	-	1,021.9	**1,021.9**	-	-	621.4	**621.4**
VOL4	-	-	1,021.9	**1,021.9**	-	-	621.4	**621.4**
VOL5	-	-	1,021.9	**1,021.9**	-	-	621.4	**621.4**
VOL6	-	794.8	-	**794.8**	-	483.3	-	**483.3**
VOL7	-	-	255.5	**255.5**	-	-	155.3	**155.3**
VOL8	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL9	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL10	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL11	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL12	-	198.7	-	**198.7**	-	120.8	-	**120.8**
VOL13	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL14	162.6	-	-	**162.6**	98.9	-	-	**98.9**
VOL15	-	198.7	-	**198.7**	-	120.8	-	**120.8**
VOL16	-	198.7	-	**198.7**	-	120.8	-	**120.8**
VOL17	-	198.7	-	**198.7**	-	120.8	-	**120.8**
VOL18	-	198.7	-	**198.7**	-	120.8	-	**120.8**
VOL19	-	-	255.5	**255.5**	-	-	155.3	**155.3**
VOL20	-	-	255.5	**255.5**	-	-	155.3	**155.3**
VOL21	-	-	255.5	**255.5**	-	-	155.3	**155.3**
VOL22	-	-	255.5	**255.5**	-	-	155.3	**155.3**
VOL23	162.6	-	-	**162.6**	98.9	-	-	**98.9**
OFFSITE (per src)	---	---	---	**9.91**	---	---	---	**9.91**
ONSITE (per src)	---	---	---	**186.1**	---	---	---	**12.2**

Note: VOL6 includes blasting emissions.

Speciation

cas	name	PM Profile 470 Unpaved Road	PM Profile 471 Paved Road
7440382	arsenic	0.000015	0.000013
7440439	cadmium	0.000013	0.000003
7440473	chromium	0.000017	0.000017
7440508	copper	0.000158	0.000148
7782505	chlorine	0.000844	0.000533
7439921	lead	0.00013	0.000124
7439965	manganese	0.000915	0.000800
7440020	nickel	0.000037	0.000012
7439976	mercury	0.000014	0.000009
7782492	selenium	0.000003	0.000002
7440622	vanadium (fume or dus	0.000077	0.000071
1175	Silica, Crystln	0.01	

Cancer Risk Source Apportionment

Emissions for Cancer Risk Model Run (lb/hr values are not used for cancer risk)

			Cancer Unmitigated Emissions		Cancer Mitigated Emissions	
Model Source ID	CAS Number	Name	lb/yr	lb/hr	lb/yr	lb/hr
VOL1	7440382	arsenic	0.0098	-	0.0059	-
VOL1	7440439	cadmium	0.0085	-	0.0051	-
VOL1	7440473	chromium	0.0111	-	0.0067	-
VOL1	7440508	copper	0.1027	-	0.0625	-
VOL1	7782505	chlorine	0.5489	-	0.3337	-
VOL1	7439921	lead	0.0845	-	0.0514	-
VOL1	7439965	manganese	0.5950	-	0.3618	-
VOL1	7440020	nickel	0.0241	-	0.0146	-
VOL1	7439976	mercury	0.0091	-	0.0055	-
VOL1	7782492	selenium	0.0020	-	0.0012	-
VOL1	7440622	vanadium (fume or dus	0.0501	-	0.0304	-
VOL1	1175	Silica, Crystln	6.5030	-	3.9542	-
VOL1	9901	DieselExhPM	45.3600	-	25.7600	-
VOL2	7440382	arsenic	0.0153	-	0.0093	-
VOL2	7440439	cadmium	0.0133	-	0.0081	-
VOL2	7440473	chromium	0.0174	-	0.0106	-
VOL2	7440508	copper	0.1615	-	0.0982	-
VOL2	7782505	chlorine	0.8625	-	0.5244	-
VOL2	7439921	lead	0.1328	-	0.0808	-
VOL2	7439965	manganese	0.9350	-	0.5686	-
VOL2	7440020	nickel	0.0378	-	0.0230	-
VOL2	7439976	mercury	0.0143	-	0.0087	-
VOL2	7782492	selenium	0.0031	-	0.0019	-
VOL2	7440622	vanadium (fume or dus	0.0787	-	0.0478	-
VOL2	1175	Silica, Crystln	10.2191	-	6.2137	-
VOL2	9901	DieselExhPM	12.0639	-	6.7351	-
VOL3	7440382	arsenic	0.0153	-	0.0093	-
VOL3	7440439	cadmium	0.0133	-	0.0081	-
VOL3	7440473	chromium	0.0174	-	0.0106	-
VOL3	7440508	copper	0.1615	-	0.0982	-
VOL3	7782505	chlorine	0.8625	-	0.5244	-
VOL3	7439921	lead	0.1328	-	0.0808	-
VOL3	7439965	manganese	0.9350	-	0.5686	-
VOL3	7440020	nickel	0.0378	-	0.0230	-
VOL3	7439976	mercury	0.0143	-	0.0087	-
VOL3	7782492	selenium	0.0031	-	0.0019	-
VOL3	7440622	vanadium (fume or dus	0.0787	-	0.0478	-
VOL3	1175	Silica, Crystln	10.2191	-	6.2137	-
VOL3	9901	DieselExhPM	12.0639	-	6.7351	-
VOL4	7440382	arsenic	0.0153	-	0.0093	-
VOL4	7440439	cadmium	0.0133	-	0.0081	-
VOL4	7440473	chromium	0.0174	-	0.0106	-
VOL4	7440508	copper	0.1615	-	0.0982	-
VOL4	7782505	chlorine	0.8625	-	0.5244	-
VOL4	7439921	lead	0.1328	-	0.0808	-
VOL4	7439965	manganese	0.9350	-	0.5686	-
VOL4	7440020	nickel	0.0378	-	0.0230	-
VOL4	7439976	mercury	0.0143	-	0.0087	-
VOL4	7782492	selenium	0.0031	-	0.0019	-
VOL4	7440622	vanadium (fume or dus	0.0787	-	0.0478	-
VOL4	1175	Silica, Crystln	10.2191	-	6.2137	-
VOL4	9901	DieselExhPM	12.0639	-	6.7351	-
VOL5	7440382	arsenic	0.0153	-	0.0093	-
VOL5	7440439	cadmium	0.0133	-	0.0081	-
VOL5	7440473	chromium	0.0174	-	0.0106	-
VOL5	7440508	copper	0.1615	-	0.0982	-

Cancer Risk Source Apportionment

VOL5	7782505	chlorine	0.8625	-	0.5244	-
VOL5	7439921	lead	0.1328	-	0.0808	-
VOL5	7439965	manganese	0.9350	-	0.5686	-
VOL5	7440020	nickel	0.0378	-	0.0230	-
VOL5	7439976	mercury	0.0143	-	0.0087	-
VOL5	7782492	selenium	0.0031	-	0.0019	-
VOL5	7440622	vanadium (fume or dus	0.0787	-	0.0478	-
VOL5	1175	Silica, Crystln	10.2191	-	6.2137	-
VOL5	9901	DieselExhPM	12.0639	-	6.7351	-
VOL6	7440382	arsenic	0.0119	-	0.0072	-
VOL6	7440439	cadmium	0.0103	-	0.0063	-
VOL6	7440473	chromium	0.0135	-	0.0082	-
VOL6	7440508	copper	0.1256	-	0.0764	-
VOL6	7782505	chlorine	0.6708	-	0.4079	-
VOL6	7439921	lead	0.1033	-	0.0628	-
VOL6	7439965	manganese	0.7273	-	0.4422	-
VOL6	7440020	nickel	0.0294	-	0.0179	-
VOL6	7439976	mercury	0.0111	-	0.0068	-
VOL6	7782492	selenium	0.0024	-	0.0014	-
VOL6	7440622	vanadium (fume or dus	0.0612	-	0.0372	-
VOL6	1175	Silica, Crystln	7.9482	-	4.8329	-
VOL6	9901	DieselExhPM	22.7309	-	22.6263	-
VOL7	7440382	arsenic	0.0038	-	0.0023	-
VOL7	7440439	cadmium	0.0033	-	0.0020	-
VOL7	7440473	chromium	0.0043	-	0.0026	-
VOL7	7440508	copper	0.0404	-	0.0245	-
VOL7	7782505	chlorine	0.2156	-	0.1311	-
VOL7	7439921	lead	0.0332	-	0.0202	-
VOL7	7439965	manganese	0.2338	-	0.1421	-
VOL7	7440020	nickel	0.0095	-	0.0057	-
VOL7	7439976	mercury	0.0036	-	0.0022	-
VOL7	7782492	selenium	0.0008	-	0.0005	-
VOL7	7440622	vanadium (fume or dus	0.0197	-	0.0120	-
VOL7	1175	Silica, Crystln	2.5548	-	1.5534	-
VOL7	9901	DieselExhPM	3.0160	-	1.6838	-
VOL8	7440382	arsenic	0.0024	-	0.0015	-
VOL8	7440439	cadmium	0.0021	-	0.0013	-
VOL8	7440473	chromium	0.0028	-	0.0017	-
VOL8	7440508	copper	0.0257	-	0.0156	-
VOL8	7782505	chlorine	0.1372	-	0.0834	-
VOL8	7439921	lead	0.0211	-	0.0129	-
VOL8	7439965	manganese	0.1488	-	0.0905	-
VOL8	7440020	nickel	0.0060	-	0.0037	-
VOL8	7439976	mercury	0.0023	-	0.0014	-
VOL8	7782492	selenium	0.0005	-	0.0003	-
VOL8	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL8	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL8	9901	DieselExhPM	11.3400	-	6.4400	-
VOL9	7440382	arsenic	0.0024	-	0.0015	-
VOL9	7440439	cadmium	0.0021	-	0.0013	-
VOL9	7440473	chromium	0.0028	-	0.0017	-
VOL9	7440508	copper	0.0257	-	0.0156	-
VOL9	7782505	chlorine	0.1372	-	0.0834	-
VOL9	7439921	lead	0.0211	-	0.0129	-
VOL9	7439965	manganese	0.1488	-	0.0905	-
VOL9	7440020	nickel	0.0060	-	0.0037	-
VOL9	7439976	mercury	0.0023	-	0.0014	-
VOL9	7782492	selenium	0.0005	-	0.0003	-
VOL9	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL9	1175	Silica, Crystln	1.6258	-	0.9885	-

Cancer Risk Source Apportionment

VOL9	9901	DieselExhPM	11.3400	-	6.4400	-
VOL10	7440382	arsenic	0.0024	-	0.0015	-
VOL10	7440439	cadmium	0.0021	-	0.0013	-
VOL10	7440473	chromium	0.0028	-	0.0017	-
VOL10	7440508	copper	0.0257	-	0.0156	-
VOL10	7782505	chlorine	0.1372	-	0.0834	-
VOL10	7439921	lead	0.0211	-	0.0129	-
VOL10	7439965	manganese	0.1488	-	0.0905	-
VOL10	7440020	nickel	0.0060	-	0.0037	-
VOL10	7439976	mercury	0.0023	-	0.0014	-
VOL10	7782492	selenium	0.0005	-	0.0003	-
VOL10	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL10	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL10	9901	DieselExhPM	11.3400	-	6.4400	-
VOL11	7440382	arsenic	0.0024	-	0.0015	-
VOL11	7440439	cadmium	0.0021	-	0.0013	-
VOL11	7440473	chromium	0.0028	-	0.0017	-
VOL11	7440508	copper	0.0257	-	0.0156	-
VOL11	7782505	chlorine	0.1372	-	0.0834	-
VOL11	7439921	lead	0.0211	-	0.0129	-
VOL11	7439965	manganese	0.1488	-	0.0905	-
VOL11	7440020	nickel	0.0060	-	0.0037	-
VOL11	7439976	mercury	0.0023	-	0.0014	-
VOL11	7782492	selenium	0.0005	-	0.0003	-
VOL11	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL11	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL11	9901	DieselExhPM	11.3400	-	6.4400	-
VOL12	7440382	arsenic	0.0030	-	0.0018	-
VOL12	7440439	cadmium	0.0026	-	0.0016	-
VOL12	7440473	chromium	0.0034	-	0.0021	-
VOL12	7440508	copper	0.0314	-	0.0191	-
VOL12	7782505	chlorine	0.1677	-	0.1020	-
VOL12	7439921	lead	0.0258	-	0.0157	-
VOL12	7439965	manganese	0.1818	-	0.1106	-
VOL12	7440020	nickel	0.0074	-	0.0045	-
VOL12	7439976	mercury	0.0028	-	0.0017	-
VOL12	7782492	selenium	0.0006	-	0.0004	-
VOL12	7440622	vanadium (fume or dus	0.0153	-	0.0093	-
VOL12	1175	Silica, Crystln	1.9870	-	1.2082	-
VOL12	9901	DieselExhPM	5.6827	-	5.6566	-
VOL13	7440382	arsenic	0.0024	-	0.0015	-
VOL13	7440439	cadmium	0.0021	-	0.0013	-
VOL13	7440473	chromium	0.0028	-	0.0017	-
VOL13	7440508	copper	0.0257	-	0.0156	-
VOL13	7782505	chlorine	0.1372	-	0.0834	-
VOL13	7439921	lead	0.0211	-	0.0129	-
VOL13	7439965	manganese	0.1488	-	0.0905	-
VOL13	7440020	nickel	0.0060	-	0.0037	-
VOL13	7439976	mercury	0.0023	-	0.0014	-
VOL13	7782492	selenium	0.0005	-	0.0003	-
VOL13	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL13	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL13	9901	DieselExhPM	11.3400	-	6.4400	-
VOL14	7440382	arsenic	0.0024	-	0.0015	-
VOL14	7440439	cadmium	0.0021	-	0.0013	-
VOL14	7440473	chromium	0.0028	-	0.0017	-
VOL14	7440508	copper	0.0257	-	0.0156	-
VOL14	7782505	chlorine	0.1372	-	0.0834	-
VOL14	7439921	lead	0.0211	-	0.0129	-
VOL14	7439965	manganese	0.1488	-	0.0905	-

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VOL14	7440020	nickel	0.0060	-	0.0037	-
VOL14	7439976	mercury	0.0023	-	0.0014	-
VOL14	7782492	selenium	0.0005	-	0.0003	-
VOL14	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL14	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL14	9901	DieselExhPM	11.3400	-	6.4400	-
VOL15	7440382	arsenic	0.0030	-	0.0018	-
VOL15	7440439	cadmium	0.0026	-	0.0016	-
VOL15	7440473	chromium	0.0034	-	0.0021	-
VOL15	7440508	copper	0.0314	-	0.0191	-
VOL15	7782505	chlorine	0.1677	-	0.1020	-
VOL15	7439921	lead	0.0258	-	0.0157	-
VOL15	7439965	manganese	0.1818	-	0.1106	-
VOL15	7440020	nickel	0.0074	-	0.0045	-
VOL15	7439976	mercury	0.0028	-	0.0017	-
VOL15	7782492	selenium	0.0006	-	0.0004	-
VOL15	7440622	vanadium (fume or dus	0.0153	-	0.0093	-
VOL15	1175	Silica, Crystln	1.9870	-	1.2082	-
VOL15	9901	DieselExhPM	5.6827	-	5.6566	-
VOL16	7440382	arsenic	0.0030	-	0.0018	-
VOL16	7440439	cadmium	0.0026	-	0.0016	-
VOL16	7440473	chromium	0.0034	-	0.0021	-
VOL16	7440508	copper	0.0314	-	0.0191	-
VOL16	7782505	chlorine	0.1677	-	0.1020	-
VOL16	7439921	lead	0.0258	-	0.0157	-
VOL16	7439965	manganese	0.1818	-	0.1106	-
VOL16	7440020	nickel	0.0074	-	0.0045	-
VOL16	7439976	mercury	0.0028	-	0.0017	-
VOL16	7782492	selenium	0.0006	-	0.0004	-
VOL16	7440622	vanadium (fume or dus	0.0153	-	0.0093	-
VOL16	1175	Silica, Crystln	1.9870	-	1.2082	-
VOL16	9901	DieselExhPM	5.6827	-	5.6566	-
VOL17	7440382	arsenic	0.0030	-	0.0018	-
VOL17	7440439	cadmium	0.0026	-	0.0016	-
VOL17	7440473	chromium	0.0034	-	0.0021	-
VOL17	7440508	copper	0.0314	-	0.0191	-
VOL17	7782505	chlorine	0.1677	-	0.1020	-
VOL17	7439921	lead	0.0258	-	0.0157	-
VOL17	7439965	manganese	0.1818	-	0.1106	-
VOL17	7440020	nickel	0.0074	-	0.0045	-
VOL17	7439976	mercury	0.0028	-	0.0017	-
VOL17	7782492	selenium	0.0006	-	0.0004	-
VOL17	7440622	vanadium (fume or dus	0.0153	-	0.0093	-
VOL17	1175	Silica, Crystln	1.9870	-	1.2082	-
VOL17	9901	DieselExhPM	5.6827	-	5.6566	-
VOL18	7440382	arsenic	0.0030	-	0.0018	-
VOL18	7440439	cadmium	0.0026	-	0.0016	-
VOL18	7440473	chromium	0.0034	-	0.0021	-
VOL18	7440508	copper	0.0314	-	0.0191	-
VOL18	7782505	chlorine	0.1677	-	0.1020	-
VOL18	7439921	lead	0.0258	-	0.0157	-
VOL18	7439965	manganese	0.1818	-	0.1106	-
VOL18	7440020	nickel	0.0074	-	0.0045	-
VOL18	7439976	mercury	0.0028	-	0.0017	-
VOL18	7782492	selenium	0.0006	-	0.0004	-
VOL18	7440622	vanadium (fume or dus	0.0153	-	0.0093	-
VOL18	1175	Silica, Crystln	1.9870	-	1.2082	-
VOL18	9901	DieselExhPM	5.6827	-	5.6566	-
VOL19	7440382	arsenic	0.0038	-	0.0023	-
VOL19	7440439	cadmium	0.0033	-	0.0020	-

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VOL19	7440473	chromium	0.0043	-	0.0026	-
VOL19	7440508	copper	0.0404	-	0.0245	-
VOL19	7782505	chlorine	0.2156	-	0.1311	-
VOL19	7439921	lead	0.0332	-	0.0202	-
VOL19	7439965	manganese	0.2338	-	0.1421	-
VOL19	7440020	nickel	0.0095	-	0.0057	-
VOL19	7439976	mercury	0.0036	-	0.0022	-
VOL19	7782492	selenium	0.0008	-	0.0005	-
VOL19	7440622	vanadium (fume or dus	0.0197	-	0.0120	-
VOL19	1175	Silica, Crystln	2.5548	-	1.5534	-
VOL19	9901	DieselExhPM	3.0160	-	1.6838	-
VOL20	7440382	arsenic	0.0038	-	0.0023	-
VOL20	7440439	cadmium	0.0033	-	0.0020	-
VOL20	7440473	chromium	0.0043	-	0.0026	-
VOL20	7440508	copper	0.0404	-	0.0245	-
VOL20	7782505	chlorine	0.2156	-	0.1311	-
VOL20	7439921	lead	0.0332	-	0.0202	-
VOL20	7439965	manganese	0.2338	-	0.1421	-
VOL20	7440020	nickel	0.0095	-	0.0057	-
VOL20	7439976	mercury	0.0036	-	0.0022	-
VOL20	7782492	selenium	0.0008	-	0.0005	-
VOL20	7440622	vanadium (fume or dus	0.0197	-	0.0120	-
VOL20	1175	Silica, Crystln	2.5548	-	1.5534	-
VOL20	9901	DieselExhPM	3.0160	-	1.6838	-
VOL21	7440382	arsenic	0.0038	-	0.0023	-
VOL21	7440439	cadmium	0.0033	-	0.0020	-
VOL21	7440473	chromium	0.0043	-	0.0026	-
VOL21	7440508	copper	0.0404	-	0.0245	-
VOL21	7782505	chlorine	0.2156	-	0.1311	-
VOL21	7439921	lead	0.0332	-	0.0202	-
VOL21	7439965	manganese	0.2338	-	0.1421	-
VOL21	7440020	nickel	0.0095	-	0.0057	-
VOL21	7439976	mercury	0.0036	-	0.0022	-
VOL21	7782492	selenium	0.0008	-	0.0005	-
VOL21	7440622	vanadium (fume or dus	0.0197	-	0.0120	-
VOL21	1175	Silica, Crystln	2.5548	-	1.5534	-
VOL21	9901	DieselExhPM	3.0160	-	1.6838	-
VOL22	7440382	arsenic	0.0038	-	0.0023	-
VOL22	7440439	cadmium	0.0033	-	0.0020	-
VOL22	7440473	chromium	0.0043	-	0.0026	-
VOL22	7440508	copper	0.0404	-	0.0245	-
VOL22	7782505	chlorine	0.2156	-	0.1311	-
VOL22	7439921	lead	0.0332	-	0.0202	-
VOL22	7439965	manganese	0.2338	-	0.1421	-
VOL22	7440020	nickel	0.0095	-	0.0057	-
VOL22	7439976	mercury	0.0036	-	0.0022	-
VOL22	7782492	selenium	0.0008	-	0.0005	-
VOL22	7440622	vanadium (fume or dus	0.0197	-	0.0120	-
VOL22	1175	Silica, Crystln	2.5548	-	1.5534	-
VOL22	9901	DieselExhPM	3.0160	-	1.6838	-
VOL23	7440382	arsenic	0.0024	-	0.0015	-
VOL23	7440439	cadmium	0.0021	-	0.0013	-
VOL23	7440473	chromium	0.0028	-	0.0017	-
VOL23	7440508	copper	0.0257	-	0.0156	-
VOL23	7782505	chlorine	0.1372	-	0.0834	-
VOL23	7439921	lead	0.0211	-	0.0129	-
VOL23	7439965	manganese	0.1488	-	0.0905	-
VOL23	7440020	nickel	0.0060	-	0.0037	-
VOL23	7439976	mercury	0.0023	-	0.0014	-
VOL23	7782492	selenium	0.0005	-	0.0003	-

Cancer Risk Source Apportionment

VOL23	7440622	vanadium (fume or dus	0.0125	-	0.0076	-
VOL23	1175	Silica, Crystln	1.6258	-	0.9885	-
VOL23	9901	DieselExhPM	11.3400	-	6.4400	-
L0004474	7440382	arsenic	0.0001	-	0.0001	-
L0004474	7440439	cadmium	0.0001	-	0.0001	-
L0004474	7440473	chromium	0.0002	-	0.0002	-
L0004474	7440508	copper	0.0016	-	0.0016	-
L0004474	7782505	chlorine	0.0084	-	0.0084	-
L0004474	7439921	lead	0.0013	-	0.0013	-
L0004474	7439965	manganese	0.0091	-	0.0091	-
L0004474	7440020	nickel	0.0004	-	0.0004	-
L0004474	7439976	mercury	0.0001	-	0.0001	-
L0004474	7782492	selenium	0.0000	-	0.0000	-
L0004474	7440622	vanadium (fume or dus	0.0008	-	0.0008	-
L0004474	1175	Silica, Crystln	0.0991	-	0.0991	-
L0004474	9901	DieselExhPM	0.2486	-	0.2486	-
L0004512	7440382	arsenic	0.0001	-	0.0001	-
L0004512	7440439	cadmium	0.0001	-	0.0001	-
L0004512	7440473	chromium	0.0002	-	0.0002	-
L0004512	7440508	copper	0.0016	-	0.0016	-
L0004512	7782505	chlorine	0.0084	-	0.0084	-
L0004512	7439921	lead	0.0013	-	0.0013	-
L0004512	7439965	manganese	0.0091	-	0.0091	-
L0004512	7440020	nickel	0.0004	-	0.0004	-
L0004512	7439976	mercury	0.0001	-	0.0001	-
L0004512	7782492	selenium	0.0000	-	0.0000	-
L0004512	7440622	vanadium (fume or dus	0.0008	-	0.0008	-
L0004512	1175	Silica, Crystln	0.0991	-	0.0991	-
L0004512	9901	DieselExhPM	0.2712	-	0.2712	-
L0004515	7440382	arsenic	0.0001	-	0.0001	-
L0004515	7440439	cadmium	0.0001	-	0.0001	-
L0004515	7440473	chromium	0.0002	-	0.0002	-
L0004515	7440508	copper	0.0016	-	0.0016	-
L0004515	7782505	chlorine	0.0084	-	0.0084	-
L0004515	7439921	lead	0.0013	-	0.0013	-
L0004515	7439965	manganese	0.0091	-	0.0091	-
L0004515	7440020	nickel	0.0004	-	0.0004	-
L0004515	7439976	mercury	0.0001	-	0.0001	-
L0004515	7782492	selenium	0.0000	-	0.0000	-
L0004515	7440622	vanadium (fume or dus	0.0008	-	0.0008	-
L0004515	1175	Silica, Crystln	0.0991	-	0.0991	-
L0004515	9901	DieselExhPM	0.3978	-	0.3978	-
L0004517	7440382	arsenic	0.0001	-	0.0001	-
L0004517	7440439	cadmium	0.0001	-	0.0001	-
L0004517	7440473	chromium	0.0002	-	0.0002	-
L0004517	7440508	copper	0.0016	-	0.0016	-
L0004517	7782505	chlorine	0.0084	-	0.0084	-
L0004517	7439921	lead	0.0013	-	0.0013	-
L0004517	7439965	manganese	0.0091	-	0.0091	-
L0004517	7440020	nickel	0.0004	-	0.0004	-
L0004517	7439976	mercury	0.0001	-	0.0001	-
L0004517	7782492	selenium	0.0000	-	0.0000	-
L0004517	7440622	vanadium (fume or dus	0.0008	-	0.0008	-
L0004517	1175	Silica, Crystln	0.0991	-	0.0991	-
L0004517	9901	DieselExhPM	0.6129	-	0.6129	-
L0001634	7440382	arsenic	0.0028	-	0.0002	-
L0001634	7440439	cadmium	0.0024	-	0.0002	-
L0001634	7440473	chromium	0.0032	-	0.0002	-
L0001634	7440508	copper	0.0294	-	0.0019	-
L0001634	7782505	chlorine	0.1570	-	0.0103	-

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L0001634	7439921	lead	0.0242	-	0.0016	-
L0001634	7439965	manganese	0.1703	-	0.0111	-
L0001634	7440020	nickel	0.0069	-	0.0005	-
L0001634	7439976	mercury	0.0026	-	0.0002	-
L0001634	7782492	selenium	0.0006	-	0.0000	-
L0001634	7440622	vanadium (fume or dus	0.0143	-	0.0009	-
L0001634	1175	Silica, Crystln	1.8607	-	0.1218	-
L0001634	9901	DieselExhPM	0.6337	-	0.6337	-

Unmitigated Non-Cancer Source Apportionment

All values in this sheet are for Calendar Year 2013.

Total Phase 1 Emissions

Parameter	Unmitigated (lb/day)			Unmitigated (lb/yr)	
	PM10 - Dust	TOG	DPM	PM10 - Dust	DPM
Max Day (On-site road)	26.1	1.73	0.36	6,326.4	44.2
Max Day (Offsite)	8.7	2.02	1.05	2,110.4	261.5
Max Day (non-road)	72.6	26.26	8.05	8,796.1	706.4
Blasting (lb/blast)	7.3	0	0	145.6	-

Weight fraction of ROG in TOG: 0.8367 (CARB Organic Profile 818)

Phase 1 Emissions per Source (see previous spreadsheet for percentage of activity within each volume source)

	Unmitigated (lb/hr)			Unmitigated (lb/yr)		
Source	PM10 - Dust	TOG	DPM	PM10 - Dust	DPM	
VOL1	2.40	0.87	0.266	3,199	256.9	
VOL2	-	-	-	-	-	
VOL3	-	-	-	-	-	
VOL4	-	-	-	-	-	
VOL5	-	-	-	-	-	
VOL6	7.28	-	-	146	-	<--- Blasting
VOL7	-	-	-	-	-	
VOL8	0.60	0.22	0.067	800	64.2	
VOL9	0.60	0.22	0.067	800	64.2	
VOL10	0.60	0.22	0.067	800	64.2	
VOL11	0.60	0.22	0.067	800	64.2	
VOL12	-	-	-	-	-	
VOL13	0.60	0.22	0.067	800	64.2	
VOL14	0.60	0.22	0.067	800	64.2	
VOL15	-	-	-	-	-	
VOL16	-	-	-	-	-	
VOL17	-	-	-	-	-	
VOL18	-	-	-	-	-	
VOL19	-	-	-	-	-	
VOL20	-	-	-	-	-	
VOL21	-	-	-	-	-	
VOL22	-	-	-	-	-	
VOL23	0.60	0.22	0.067	800	64.2	
OFFSITE (per src)	0.0409	depends on speed*		9.91	depends on speed*	L0004744 to L0004686
ONSITE (per src)	0.0698	0.0046	0.0010	186	1.3	L0001634 to L0001667

Notes: 11 hr/day used in model * See Off-site Truck Emissions Calculation Sheet.

Speciations

		PM Profile 470	PM Profile 425	Organic Profile 818 - Diesel Exhaust		
cas	name	Dust	DPM	cas	name	Fraction of TOG
7440382	arsenic	0.000015	0.000005	74851	ethene	0.14377
7440439	cadmium	0.000013	0.00004	115071	propene	0.02597
7440473	chromium	0.000017	0.000012	110827	cyclohexane	0.00026
7440508	copper	0.000158	0.000025	540841	2,2,4-trimethylpentane	0.00298
7782505	chlorine	0.000844	0.000344	67561	methanol	0.0003
7439921	lead	0.00013	0.000042	123386	propionaldehyde	0.0097
7439965	manganese	0.000915	0.00004	123728	butyraldehyde	0.01868
7440020	nickel	0.000037	0.000019	78933	methyl ethyl ketone (mek) (2	0.01477
7439976	mercury	0.000014	0.00003	95636	1,2,4-trimethylbenzene	0.0053
7782492	selenium	0.000003	0.00001	100425	styrene	0.00058
7440622	vanadium (fume or du	0.000077	0.000029	98828	(1-methylethyl)benzene	0.00015
1175	Silica, Crystln	0.01	0			

Crystalline Silica is assumed to be 1%.

Partial List of Constitutents by Source

			Non-Cancer Unitigated Emissions	
Model Source ID	CAS Number	Name	lb/yr	lb/hr
VOL1	7440382	arsenic	4.93E-02	3.73E-05
VOL1	7440439	cadmium	5.19E-02	4.19E-05
VOL1	7440473	chromium	5.75E-02	4.40E-05
VOL1	7440508	copper	5.12E-01	3.86E-04
VOL1	7782505	chlorine	2.79E+00	2.12E-03
VOL1	7439921	lead	4.27E-01	3.23E-04
VOL1	7439965	manganese	2.94E+00	2.21E-03
VOL1	7440020	nickel	1.23E-01	9.39E-05
VOL1	7439976	mercury	5.25E-02	4.16E-05
VOL1	7782492	selenium	1.22E-02	9.87E-06
VOL1	7440622	vanadium (fume or dust)	2.54E-01	1.93E-04
VOL1	1175	Silica, Crystln	3.20E+01	2.40E-02
VOL1	74851	ethene	-	1.25E-01
VOL1	115071	propene	-	2.25E-02
VOL1	110827	cyclohexane	-	2.26E-04
VOL1	540841	2,2,4-trimethylpentane	-	2.59E-03
VOL1	67561	methanol	-	2.60E-04
VOL1	123386	propionaldehyde	-	8.42E-03
VOL1	123728	butyraldehyde	-	1.62E-02
VOL1	78933	methyl ethyl ketone (mek) (2	-	1.28E-02
VOL1	95636	1,2,4-trimethylbenzene	-	4.60E-03
VOL1	100425	styrene	-	5.04E-04
VOL1	98828	(1-methylethyl)benzene	-	1.30E-04
VOL1	9901	DieselExhPM	2.57E+02	-

Note: Sources with equal emissions are copied in ONRAMP from sources in this list. For instance, VOL8 has equal emissions to VOL9, VOL10, VOL12, VOL13, and VOL23. The emissions imported to ONRAMP for VOL8 are then copied to the other equal sources. Similarly, the roadway sources are copied from those listed here to the remainder of the roadway as appropriate given running speed and idling which are calculated elsewhere.

VOL6	7440382	arsenic	2.18E-03	1.09E-04
VOL6	7440439	cadmium	1.89E-03	9.46E-05
VOL6	7440473	chromium	2.48E-03	1.24E-04
VOL6	7440508	copper	2.30E-02	1.15E-03
VOL6	7782505	chlorine	1.23E-01	6.14E-03
VOL6	7439921	lead	1.89E-02	9.46E-04
VOL6	7439965	manganese	1.33E-01	6.66E-03
VOL6	7440020	nickel	5.39E-03	2.69E-04
VOL6	7439976	mercury	2.04E-03	1.02E-04
VOL6	7782492	selenium	4.37E-04	2.18E-05
VOL6	7440622	vanadium (fume or dust)	1.12E-02	5.61E-04
VOL6	1175	Silica, Crystln	1.46E+00	7.28E-02
VOL8	7440382	arsenic	1.23E-02	3.73E-05
VOL8	7440439	cadmium	1.30E-02	4.19E-05
VOL8	7440473	chromium	1.44E-02	4.40E-05
VOL8	7440508	copper	1.28E-01	3.86E-04
VOL8	7782505	chlorine	6.97E-01	2.12E-03
VOL8	7439921	lead	1.07E-01	3.23E-04
VOL8	7439965	manganese	7.34E-01	2.21E-03
VOL8	7440020	nickel	3.08E-02	9.39E-05
VOL8	7439976	mercury	1.31E-02	4.16E-05
VOL8	7782492	selenium	3.04E-03	9.87E-06
VOL8	7440622	vanadium (fume or dust)	6.34E-02	1.93E-04
VOL8	1175	Silica, Crystln	8.00E+00	2.40E-02
VOL8	74851	ethene	-	3.12E-02
VOL8	115071	propene	-	5.64E-03
VOL8	110827	cyclohexane	-	5.64E-05
VOL8	540841	2,2,4-trimethylpentane	-	6.47E-04
VOL8	67561	methanol	-	6.51E-05
VOL8	123386	propionaldehyde	-	2.11E-03
VOL8	123728	butyraldehyde	-	4.05E-03
VOL8	78933	methyl ethyl ketone (mek) (2	-	3.21E-03
VOL8	95636	1,2,4-trimethylbenzene	-	1.15E-03
VOL8	100425	styrene	-	1.26E-04
VOL8	98828	(1-methylethyl)benzene	-	3.26E-05
VOL8	9901	DieselExhPM	6.42E+01	-
L0001634	7440382	arsenic	2.80E-03	1.05E-06
L0001634	7440439	cadmium	2.47E-03	9.46E-07
L0001634	7440473	chromium	3.18E-03	1.20E-06
L0001634	7440508	copper	2.94E-02	1.10E-05
L0001634	7782505	chlorine	1.57E-01	5.92E-05
L0001634	7439921	lead	2.42E-02	9.11E-06
L0001634	7439965	manganese	1.70E-01	6.39E-05
L0001634	7440020	nickel	6.91E-03	2.60E-06
L0001634	7439976	mercury	2.64E-03	1.01E-06
L0001634	7782492	selenium	5.71E-04	2.19E-07
L0001634	7440622	vanadium (fume or dust)	1.44E-02	5.40E-06
L0001634	1175	Silica, Crystln	1.86E+00	6.98E-04
L0001634	74851	ethene	-	6.64E-04
L0001634	115071	propene	-	1.20E-04
L0001634	110827	cyclohexane	-	1.20E-06
L0001634	540841	2,2,4-trimethylpentane	-	1.38E-05
L0001634	67561	methanol	-	1.39E-06
L0001634	123386	propionaldehyde	-	4.48E-05
L0001634	123728	butyraldehyde	-	8.63E-05
L0001634	78933	methyl ethyl ketone (mek) (2	-	6.82E-05
L0001634	95636	1,2,4-trimethylbenzene	-	2.45E-05
L0001634	100425	styrene	-	2.68E-06
L0001634	98828	(1-methylethyl)benzene	-	6.93E-07
L0001634	9901	DieselExhPM	1.30E+00	-
L0004474	7440382	arsenic	1.65E-04	6.61E-07
L0004474	7440439	cadmium	2.30E-04	9.19E-07
L0004474	7440473	chromium	2.03E-04	8.11E-07
L0004474	7440508	copper	1.67E-03	6.70E-06
L0004474	7782505	chlorine	9.46E-03	3.78E-05
L0004474	7439921	lead	1.43E-03	5.72E-06
L0004474	7439965	manganese	9.44E-03	3.78E-05

L0004474	7440020	nickel	4.24E-04	1.70E-06
L0004474	7439976	mercury	2.16E-04	8.63E-07
L0004474	7782492	selenium	5.49E-05	2.20E-07
L0004474	7440622	vanadium (fume or dust)	8.57E-04	3.43E-06
L0004474	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004474	74851	ethene	-	4.49E-03
L0004474	115071	propene	-	8.11E-04
L0004474	110827	cyclohexane	-	8.12E-06
L0004474	540841	2,2,4-trimethylpentane	-	9.31E-05
L0004474	67561	methanol	-	9.37E-06
L0004474	123386	propionaldehyde	-	3.03E-04
L0004474	123728	butyraldehyde	-	5.83E-04
L0004474	78933	methyl ethyl ketone (mek)	-	4.61E-04
L0004474	95636	1,2,4-trimethylbenzene	-	1.66E-04
L0004474	100425	styrene	-	1.81E-05
L0004474	98828	(1-methylethyl)benzene	-	4.68E-06
L0004474	9901	DieselExhPM	2.43E+00	-
L0004512	7440382	arsenic	1.60E-04	6.40E-07
L0004512	7440439	cadmium	1.88E-04	7.50E-07
L0004512	7440473	chromium	1.90E-04	7.60E-07
L0004512	7440508	copper	1.65E-03	6.59E-06
L0004512	7782505	chlorine	9.09E-03	3.64E-05
L0004512	7439921	lead	1.39E-03	5.54E-06
L0004512	7439965	manganese	9.40E-03	3.76E-05
L0004512	7440020	nickel	4.04E-04	1.62E-06
L0004512	7439976	mercury	1.84E-04	7.36E-07
L0004512	7782492	selenium	4.43E-05	1.77E-07
L0004512	7440622	vanadium (fume or dust)	8.26E-04	3.31E-06
L0004512	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004512	74851	ethene	0	0.001041737
L0004512	115071	propene	0	0.000188175
L0004512	110827	cyclohexane	0	1.88392E-06
L0004512	540841	2,2,4-trimethylpentane	0	2.15927E-05
L0004512	67561	methanol	0	2.17376E-06
L0004512	123386	propionaldehyde	0	7.02848E-05
L0004512	123728	butyraldehyde	0	0.000135353
L0004512	78933	methyl ethyl ketone (mek)	0	0.000107021
L0004512	95636	1,2,4-trimethylbenzene	0	3.84031E-05
L0004512	100425	styrene	0	4.2026E-06
L0004512	98828	(1-methylethyl)benzene	0	1.08688E-06
L0004512	9901	DieselExhPM	1.367759712	0
L0004515	7440382	arsenic	1.59E-04	6.35E-07
L0004515	7440439	cadmium	1.77E-04	7.07E-07
L0004515	7440473	chromium	1.87E-04	7.47E-07
L0004515	7440508	copper	1.64E-03	6.57E-06
L0004515	7782505	chlorine	9.00E-03	3.60E-05
L0004515	7439921	lead	1.37E-03	5.50E-06
L0004515	7439965	manganese	9.39E-03	3.76E-05
L0004515	7440020	nickel	3.99E-04	1.60E-06
L0004515	7439976	mercury	1.76E-04	7.04E-07
L0004515	7782492	selenium	4.16E-05	1.66E-07
L0004515	7440622	vanadium (fume or dust)	8.18E-04	3.27E-06
L0004515	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004515	74851	ethene	-	1.04E-03
L0004515	115071	propene	-	1.88E-04
L0004515	110827	cyclohexane	-	1.88E-06
L0004515	540841	2,2,4-trimethylpentane	-	2.16E-05
L0004515	67561	methanol	-	2.17E-06
L0004515	123386	propionaldehyde	-	7.03E-05
L0004515	123728	butyraldehyde	-	1.35E-04
L0004515	78933	methyl ethyl ketone (mek)	-	1.07E-04
L0004515	95636	1,2,4-trimethylbenzene	-	3.84E-05
L0004515	100425	styrene	-	4.20E-06
L0004515	98828	(1-methylethyl)benzene	-	1.09E-06
L0004515	9901	DieselExhPM	1.09602	0.00E+00
L0004517	7440382	arsenic	1.64E-04	6.55E-07
L0004517	7440439	cadmium	2.18E-04	8.70E-07

L0004517	7440473	chromium	1.99E-04	7.96E-07
L0004517	7440508	copper	1.67E-03	6.67E-06
L0004517	7782505	chlorine	9.35E-03	3.74E-05
L0004517	7439921	lead	1.42E-03	5.67E-06
L0004517	7439965	manganese	9.43E-03	3.77E-05
L0004517	7440020	nickel	4.18E-04	1.67E-06
L0004517	7439976	mercury	2.07E-04	8.26E-07
L0004517	7782492	selenium	5.18E-05	2.07E-07
L0004517	7440622	vanadium (fume or dust)	8.48E-04	3.39E-06
L0004517	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004517	74851	ethene	0	0.006906193
L0004517	115071	propene	0	0.001247505
L0004517	110827	cyclohexane	0	1.24895E-05
L0004517	540841	2,2,4-trimethylpentane	0	0.000143148
L0004517	67561	methanol	0	1.44109E-05
L0004517	123386	propionaldehyde	0	0.000465953
L0004517	123728	butyraldehyde	0	0.00089732
L0004517	78933	methyl ethyl ketone (mek)	0	0.000709498
L0004517	95636	1,2,4-trimethylbenzene	0	0.000254593
L0004517	100425	styrene	0	2.78611E-05
L0004517	98828	(1-methylethyl)benzene	0	7.20546E-06
L0004517	9901	DieselExhPM	2.118	0

Mitigated Non-Cancer Source Apportionment

All values in this sheet are for Calendar Year 2013.

Total Phase 1 Emissions

Parameter	Mitigated (lb/day)			Mitigated (lb/yr)	
	PM10 - Dust	TOG	DPM	PM10 - Dust	DPM
Max Day (road)	1.7	1.73	0.363	414.2	44.5
Offsite (road)	8.7	2.02	1.05	2,110.4	261.5
Max Day (non-road)	56.7	26.27	4.34	5,291.4	355.2
Blasting (lb/blast)	7.3	0	0	145.6	-

Weight fraction of ROG in TOG: 0.8367 (CARB Organic Profile 818)

Phase 1 Emissions per Source (see previous spreadsheet for percentage of activity within each volume source)

	Mitigated (lb/hr)			Mitigated (lb/yr)		
Source	PM10 - Dust	TOG	DPM	PM10 - Dust	DPM	
VOL1	1.87	0.87	0.143	1,924.2	129.2	
VOL2	-	-	-	-	-	
VOL3	-	-	-	-	-	
VOL4	-	-	-	-	-	
VOL5	-	-	-	-	-	
VOL6	7.28	-	-	145.6	-	
VOL7	-	-	-	-	-	
VOL8	0.47	0.22	0.036	481.0	32.3	
VOL9	0.47	0.22	0.036	481.0	32.3	
VOL10	0.47	0.22	0.036	481.0	32.3	
VOL11	0.47	0.22	0.036	481.0	32.3	
VOL12	-	-	-	-	-	
VOL13	0.47	0.22	0.036	481.0	32.3	
VOL14	0.47	0.22	0.036	481.0	32.3	
VOL15	-	-	-	-	-	
VOL16	-	-	-	-	-	
VOL17	-	-	-	-	-	
VOL18	-	-	-	-	-	
VOL19	-	-	-	-	-	
VOL20	-	-	-	-	-	
VOL21	-	-	-	-	-	
VOL22	-	-	-	-	-	
VOL23	0.47	0.22	0.036	481.0	32.3	
OFFSITE (per src)	0.0409	depends on speed*		9.91	depends on speed*	L0004744 to L0004686
ONSITE (per src)	0.0046	0.0046	0.000971165	12.18	1.309	L0001634 to L0001667

Notes: 11 hr/day used in model * See Off-site Truck Emissions Calculation Sheet.

Speciations

		PM Profile 470	PM Profile 425	Organic Profile 818		
cas	name	Dust	DPM	cas	name	Fraction of TOG
7440382	arsenic	0.000015	0.000005	74851	ethene	0.14377
7440439	cadmium	0.000013	0.00004	115071	propene	0.02597
7440473	chromium	0.000017	0.000012	110827	cyclohexane	0.00026
7440508	copper	0.000158	0.000025	540841	2,2,4-trimethylpentane	0.00298
7782505	chlorine	0.000844	0.000344	67561	methanol	0.0003
7439921	lead	0.00013	0.000042	123386	propionaldehyde	0.0097
7439965	manganese	0.000915	0.00004	123728	butyraldehyde	0.01868
7440020	nickel	0.000037	0.000019	78933	methyl ethyl ketone (mel	0.01477
7439976	mercury	0.000014	0.00003	95636	1,2,4-trimethylbenzene	0.0053
7782492	selenium	0.000003	0.00001	100425	styrene	0.00058
7440622	vanadium (fume o	0.000077	0.000029	98828	(1-methylethyl)benzene	0.00015
1175	Silica, Crystln	0.01	0			

Crystalline Silica is assumed to be 1%.

Partial List of Constitutents from Speciations

			Non-Cancer Mitigated Emissions	
Model Source ID	CAS Number	Name	lb/yr	lb/hr
VOL1	7440382	arsenic	2.95E-02	2.88E-05
VOL1	7440439	cadmium	3.02E-02	3.01E-05
VOL1	7440473	chromium	3.43E-02	3.36E-05
VOL1	7440508	copper	3.07E-01	3.00E-04
VOL1	7782505	chlorine	1.67E+00	1.63E-03
VOL1	7439921	lead	2.56E-01	2.50E-04
VOL1	7439965	manganese	1.77E+00	1.72E-03
VOL1	7440020	nickel	7.36E-02	7.21E-05
VOL1	7439976	mercury	3.08E-02	3.05E-05
VOL1	7782492	selenium	7.06E-03	7.06E-06
VOL1	7440622	vanadium (fume o	1.52E-01	1.48E-04
VOL1	1175	Silica, Crystln	1.92E+01	1.87E-02
VOL1	74851	ethene	-	1.25E-01
VOL1	115071	propene	-	2.26E-02
VOL1	110827	cyclohexane	-	2.26E-04
VOL1	540841	2,2,4-trimethylpen	-	2.59E-03
VOL1	67561	methanol	-	2.61E-04
VOL1	123386	propionaldehyde	-	8.42E-03
VOL1	123728	butyraldehyde	-	1.62E-02
VOL1	78933	methyl ethyl keton	-	1.28E-02
VOL1	95636	1,2,4-trimethylben	-	4.60E-03
VOL1	100425	styrene	-	5.04E-04
VOL1	98828	(1-methylethyl)ber	-	1.30E-04
VOL1	9901	DieselExhPM	1.29E+02	-
VOL6	7440382	arsenic	2.18E-03	1.09E-04
VOL6	7440439	cadmium	1.89E-03	9.46E-05
VOL6	7440473	chromium	2.48E-03	1.24E-04
VOL6	7440508	copper	2.30E-02	1.15E-03
VOL6	7782505	chlorine	1.23E-01	6.14E-03
VOL6	7439921	lead	1.89E-02	9.46E-04
VOL6	7439965	manganese	1.33E-01	6.66E-03
VOL6	7440020	nickel	5.39E-03	2.69E-04
VOL6	7439976	mercury	2.04E-03	1.02E-04
VOL6	7782492	selenium	4.37E-04	2.18E-05
VOL6	7440622	vanadium (fume o	1.12E-02	5.61E-04
VOL6	1175	Silica, Crystln	1.46E+00	7.28E-02
VOL8	7440382	arsenic	7.38E-03	2.88E-05
VOL8	7440439	cadmium	7.55E-03	3.01E-05

Note: Sources with equal emissions are copied in ONRAMP from sources in this list. For instance, VOL8 has equal emissions to VOL9, VOL10, VOL12, VOL13, and VOL23. The emissions imported to ONRAMP for VOL8 are then copied to the other equal sources. Similarly, the roadway sources are copied from those listed here to the remainder of the roadway as appropriate given running speed and idling which are calculated elsewhere.

VOL8	7440473	chromium	8.57E-03	3.36E-05
VOL8	7440508	copper	7.68E-02	3.00E-04
VOL8	7782505	chlorine	4.17E-01	1.63E-03
VOL8	7439921	lead	6.39E-02	2.50E-04
VOL8	7439965	manganese	4.41E-01	1.72E-03
VOL8	7440020	nickel	1.84E-02	7.21E-05
VOL8	7439976	mercury	7.70E-03	3.05E-05
VOL8	7782492	selenium	1.77E-03	7.06E-06
VOL8	7440622	vanadium (fume o	3.80E-02	1.48E-04
VOL8	1175	Silica, Crystln	4.81E+00	1.87E-02
VOL8	74851	ethene	-	3.12E-02
VOL8	115071	propene	-	5.64E-03
VOL8	110827	cyclohexane	-	5.64E-05
VOL8	540841	2,2,4-trimethylpen	-	6.47E-04
VOL8	67561	methanol	-	6.51E-05
VOL8	123386	propionaldehyde	-	2.11E-03
VOL8	123728	butyraldehyde	-	4.06E-03
VOL8	78933	methyl ethyl keton	-	3.21E-03
VOL8	95636	1,2,4-trimethylben	-	1.15E-03
VOL8	100425	styrene	-	1.26E-04
VOL8	98828	(1-methylethyl)ber	-	3.26E-05
VOL8	9901	DieselExhPM	3.23E+01	-
L0001634	7440382	arsenic	1.89E-04	7.34E-08
L0001634	7440439	cadmium	2.11E-04	9.82E-08
L0001634	7440473	chromium	2.23E-04	8.93E-08
L0001634	7440508	copper	1.96E-03	7.46E-07
L0001634	7782505	chlorine	1.07E-02	4.19E-06
L0001634	7439921	lead	1.64E-03	6.35E-07
L0001634	7439965	manganese	1.12E-02	4.22E-06
L0001634	7440020	nickel	4.76E-04	1.87E-07
L0001634	7439976	mercury	2.10E-04	9.31E-08
L0001634	7782492	selenium	4.96E-05	2.34E-08
L0001634	7440622	vanadium (fume	9.76E-04	3.80E-07
L0001634	1175	Silica, Crystln	1.22E-01	4.57E-05
L0001634	74851	ethene	-	6.64E-04
L0001634	115071	propene	-	1.20E-04
L0001634	110827	cyclohexane	-	1.20E-06
L0001634	540841	2,2,4-trimethylpe	-	1.38E-05
L0001634	67561	methanol	-	1.39E-06
L0001634	123386	propionaldehyde	-	4.48E-05
L0001634	123728	butyraldehyde	-	8.63E-05
L0001634	78933	methyl ethyl ketc	-	6.82E-05
L0001634	95636	1,2,4-trimethylbe	-	2.45E-05
L0001634	100425	styrene	-	2.68E-06
L0001634	98828	(1-methylethyl)b	-	6.93E-07
L0001634	9901	DieselExhPM	1.31E+00	-
L0004474	7440382	arsenic	1.65E-04	6.61E-07
L0004474	7440439	cadmium	2.30E-04	9.19E-07
L0004474	7440473	chromium	2.03E-04	8.11E-07
L0004474	7440508	copper	1.67E-03	6.70E-06
L0004474	7782505	chlorine	9.46E-03	3.78E-05
L0004474	7439921	lead	1.43E-03	5.72E-06
L0004474	7439965	manganese	9.44E-03	3.78E-05
L0004474	7440020	nickel	4.24E-04	1.70E-06
L0004474	7439976	mercury	2.16E-04	8.63E-07
L0004474	7782492	selenium	5.49E-05	2.20E-07
L0004474	7440622	vanadium (fume	8.57E-04	3.43E-06
L0004474	1175	Silica, Crystln	1.02E-01	4.09E-04

L0004474	74851	ethene	-	4.49E-03
L0004474	115071	propene	-	8.11E-04
L0004474	110827	cyclohexane	-	8.12E-06
L0004474	540841	2,2,4-trimethylpe	-	9.31E-05
L0004474	67561	methanol	-	9.37E-06
L0004474	123386	propionaldehyde	-	3.03E-04
L0004474	123728	butyraldehyde	-	5.83E-04
L0004474	78933	methyl ethyl ketc	-	4.61E-04
L0004474	95636	1,2,4-trimethylbe	-	1.66E-04
L0004474	100425	styrene	-	1.81E-05
L0004474	98828	(1-methylethyl)b	-	4.68E-06
L0004474	9901	DieselExhPM	2.43E+00	-
L0004512	7440382	arsenic	1.60E-04	6.40E-07
L0004512	7440439	cadmium	1.88E-04	7.50E-07
L0004512	7440473	chromium	1.90E-04	7.60E-07
L0004512	7440508	copper	1.65E-03	6.59E-06
L0004512	7782505	chlorine	9.09E-03	3.64E-05
L0004512	7439921	lead	1.39E-03	5.54E-06
L0004512	7439965	manganese	9.40E-03	3.76E-05
L0004512	7440020	nickel	4.04E-04	1.62E-06
L0004512	7439976	mercury	1.84E-04	7.36E-07
L0004512	7782492	selenium	4.43E-05	1.77E-07
L0004512	7440622	vanadium (fume	8.26E-04	3.31E-06
L0004512	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004512	74851	ethene	0	0.001041737
L0004512	115071	propene	0	0.000188175
L0004512	110827	cyclohexane	0	1.88392E-06
L0004512	540841	2,2,4-trimethylpe	0	2.15927E-05
L0004512	67561	methanol	0	2.17376E-06
L0004512	123386	propionaldehyde	0	7.02848E-05
L0004512	123728	butyraldehyde	0	0.000135353
L0004512	78933	methyl ethyl ketc	0	0.000107021
L0004512	95636	1,2,4-trimethylbe	0	3.84031E-05
L0004512	100425	styrene	0	4.2026E-06
L0004512	98828	(1-methylethyl)b	0	1.08688E-06
L0004512	9901	DieselExhPM	1.367759712	0
L0004515	7440382	arsenic	1.59E-04	6.35E-07
L0004515	7440439	cadmium	1.77E-04	7.07E-07
L0004515	7440473	chromium	1.87E-04	7.47E-07
L0004515	7440508	copper	1.64E-03	6.57E-06
L0004515	7782505	chlorine	9.00E-03	3.60E-05
L0004515	7439921	lead	1.37E-03	5.50E-06
L0004515	7439965	manganese	9.39E-03	3.76E-05
L0004515	7440020	nickel	3.99E-04	1.60E-06
L0004515	7439976	mercury	1.76E-04	7.04E-07
L0004515	7782492	selenium	4.16E-05	1.66E-07
L0004515	7440622	vanadium (fume	8.18E-04	3.27E-06
L0004515	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004515	74851	ethene	-	1.04E-03
L0004515	115071	propene	-	1.88E-04
L0004515	110827	cyclohexane	-	1.88E-06
L0004515	540841	2,2,4-trimethylpe	-	2.16E-05
L0004515	67561	methanol	-	2.17E-06
L0004515	123386	propionaldehyde	-	7.03E-05
L0004515	123728	butyraldehyde	-	1.35E-04
L0004515	78933	methyl ethyl ketc	-	1.07E-04
L0004515	95636	1,2,4-trimethylbe	-	3.84E-05
L0004515	100425	styrene	-	4.20E-06

L0004515	98828	(1-methylethyl)b	-	1.09E-06
L0004515	9901	DieselExhPM	1.09602	0.00E+00
L0004517	7440382	arsenic	1.64E-04	6.55E-07
L0004517	7440439	cadmium	2.18E-04	8.70E-07
L0004517	7440473	chromium	1.99E-04	7.96E-07
L0004517	7440508	copper	1.67E-03	6.67E-06
L0004517	7782505	chlorine	9.35E-03	3.74E-05
L0004517	7439921	lead	1.42E-03	5.67E-06
L0004517	7439965	manganese	9.43E-03	3.77E-05
L0004517	7440020	nickel	4.18E-04	1.67E-06
L0004517	7439976	mercury	2.07E-04	8.26E-07
L0004517	7782492	selenium	5.18E-05	2.07E-07
L0004517	7440622	vanadium (fume	8.48E-04	3.39E-06
L0004517	1175	Silica, Crystln	1.02E-01	4.09E-04
L0004517	74851	ethene	0	0.006906193
L0004517	115071	propene	0	0.001247505
L0004517	110827	cyclohexane	0	1.24895E-05
L0004517	540841	2,2,4-trimethylpe	0	0.000143148
L0004517	67561	methanol	0	1.44109E-05
L0004517	123386	propionaldehyde	0	0.000465953
L0004517	123728	butyraldehyde	0	0.00089732
L0004517	78933	methyl ethyl ketc	0	0.000709498
L0004517	95636	1,2,4-trimethylbe	0	0.000254593
L0004517	100425	styrene	0	2.78611E-05
L0004517	98828	(1-methylethyl)b	0	7.20546E-06
L0004517	9901	DieselExhPM	2.118	0

Appendix D: On-Road Emissions

On-Road Emissions Calculations - Project Share of Vehicle Miles Traveled

Year	P-C Region Population	P-C Region Average Aggregate Demand (tons/year)	P-C Region Peak Potential Demand (tons/year)	Average Market Growth Above Baseline (tons/year)	Market Growth Above Baseline (VMT/year)	Variation Under Peak Market Conditions (tons/year)	Project as Percentage of Peak Market Conditions (tons/year)	Project Share of Variation Under Peak Market Conditions (tons/year)	Project Share of Variation Under Peak Market Conditions (VMT/year)	Reasonable Worst Case Project Impact (VMT/year)
2011	684,127	4,515,238	-	-	-	-	-	-	-	-
2012	688,478	4,543,955	-	-	-	-	-	-	-	-
2013	692,829	4,572,671	6,173,106	28,717	71,081	1,600,435	8.1%	129,630	320,865	391,946
2014	697,180	4,601,388	6,211,874	57,433	142,161	1,610,486	8.0%	129,630	320,865	463,027
2015	701,531	4,630,105	6,250,641	86,150	213,242	1,620,537	8.0%	129,630	320,865	534,107
2016	705,883	4,658,828	6,289,418	114,873	284,339	1,630,590	7.9%	129,630	320,865	605,205
2017	710,234	4,687,544	6,328,185	143,590	355,420	1,640,641	7.9%	129,630	320,865	676,285
2018	714,585	4,716,261	6,366,952	172,306	426,500	1,650,691	7.9%	129,630	320,865	747,366
2019	718,936	4,744,978	6,405,720	201,023	497,581	1,660,742	7.8%	129,630	320,865	818,447
2020	723,287	4,773,694	6,444,487	229,739	568,662	1,670,793	7.8%	129,630	320,865	889,527
2021	727,907	4,804,186	6,485,651	260,231	644,137	1,681,465	7.7%	129,630	320,865	965,003
2022	732,528	4,834,685	6,526,824	290,730	719,629	1,692,140	7.7%	129,630	320,865	1,040,494
2023	737,148	4,865,177	6,567,989	321,222	795,104	1,702,812	7.6%	129,630	320,865	1,115,969
2024	741,769	4,895,675	6,609,162	351,721	870,596	1,713,486	7.6%	129,630	320,865	1,191,461
2025	746,389	4,926,167	6,650,326	382,213	946,071	1,724,159	7.5%	129,630	320,865	1,237,624
2026	751,009	4,956,659	6,691,490	412,705	1,021,546	1,734,831	7.5%	129,630	320,865	1,237,624
2027	755,630	4,987,158	6,732,663	443,203	1,097,038	1,745,505	7.4%	129,630	320,865	1,237,624
2028	760,250	5,017,650	6,773,828	473,695	1,172,513	1,756,178	7.4%	129,630	320,865	1,237,624
2029	764,871	5,048,149	6,815,001	504,194	1,248,004	1,766,852	7.3%	129,630	320,865	1,237,624
2030	769,491	5,078,641	6,856,165	534,686	1,323,480	1,777,524	7.3%	129,630	320,865	1,237,624
2031	774,050	5,108,730	6,896,786	564,775	1,397,958	1,788,056	7.2%	129,630	320,865	1,237,624
2032	778,609	5,138,819	6,937,406	594,865	1,472,437	1,798,587	7.2%	129,630	320,865	1,237,624
2033	783,167	5,168,902	6,978,018	624,947	1,546,900	1,809,116	7.2%	129,630	320,865	1,237,624
2034	787,726	5,198,992	7,018,639	655,037	1,621,378	1,819,647	7.1%	129,630	320,865	1,237,624
2035	792,285	5,229,081	7,059,259	685,126	1,695,857	1,830,178	7.1%	129,630	320,865	1,237,624
2036	796,844	5,259,170	7,099,880	715,216	1,770,336	1,840,710	7.0%	129,630	320,865	1,237,624
2037	801,403	5,289,260	7,140,501	745,305	1,844,814	1,851,241	7.0%	129,630	320,865	1,237,624
2038	805,961	5,319,343	7,181,113	775,388	1,919,277	1,861,770	7.0%	129,630	320,865	1,237,624
2039	810,520	5,349,432	7,221,733	805,477	1,993,755	1,872,301	6.9%	129,630	320,865	1,237,624
2040	815,079	5,379,521	7,262,354	835,567	2,068,234	1,882,832	6.9%	129,630	320,865	1,237,624
2041	819,925	5,411,505	7,305,532	867,550	2,147,401	1,894,027	6.8%	129,630	320,865	1,237,624
2042	824,771	5,443,489	7,348,710	899,534	2,226,569	1,905,221	6.8%	129,630	320,865	1,237,624
2043	829,618	5,475,479	7,391,896	931,524	2,305,752	1,916,418	6.8%	129,630	320,865	1,237,624
2044	834,464	5,507,462	7,435,074	963,508	2,384,920	1,927,612	6.7%	129,630	320,865	1,237,624
2045	839,310	5,539,446	7,478,252	995,491	2,464,087	1,938,806	6.7%	129,630	320,865	1,237,624
2046	844,156	5,571,430	7,521,430	1,027,475	2,543,254	1,950,000	6.6%	129,630	320,865	1,237,624
2047	849,002	5,603,413	7,564,608	1,059,458	2,622,422	1,961,195	6.6%	129,630	320,865	1,237,624
2048	853,849	5,635,403	7,607,795	1,091,449	2,701,605	1,972,391	6.6%	129,630	320,865	1,237,624
2049	858,695	5,667,387	7,650,972	1,123,432	2,780,773	1,983,585	6.5%	129,630	320,865	1,237,624
2050	863,541	5,699,371	7,694,150	1,155,416	2,859,940	1,994,780	6.5%	129,630	320,865	1,237,624
2051	868,387	5,731,354	7,737,328	1,187,399	2,939,107	2,005,974	6.5%	129,630	320,865	1,237,624
2052	873,233	5,763,338	7,780,506	1,219,383	3,018,275	2,017,168	6.4%	129,630	320,865	1,237,624
2053	878,080	5,795,328	7,823,693	1,251,373	3,097,458	2,028,365	6.4%	129,630	320,865	1,237,624
2054	882,926	5,827,312	7,866,871	1,283,357	3,176,626	2,039,559	6.4%	129,630	320,865	1,237,624
2055	887,772	5,859,295	7,910,049	1,315,340	3,255,793	2,050,753	6.3%	129,630	320,865	1,237,624
2056	892,618	5,891,279	7,953,226	1,347,324	3,334,960	2,061,948	6.3%	129,630	320,865	1,237,624
2057	897,464	5,923,262	7,996,404	1,379,308	3,414,128	2,073,142	6.3%	129,630	320,865	1,237,624
2058	902,311	5,955,253	8,039,591	1,411,298	3,493,311	2,084,338	6.2%	129,630	320,865	1,237,624
2059	907,157	5,987,236	8,082,769	1,443,281	3,572,479	2,095,533	6.2%	129,630	320,865	1,237,624
2060	912,003	6,019,220	8,125,947	1,475,265	3,651,646	2,106,727	6.2%	129,630	320,865	1,237,624
2061	916,888	6,051,459	8,169,470	1,507,504	3,731,446	2,118,011	6.1%	129,630	320,865	1,237,624
2062	921,869	6,084,335	8,213,853	1,540,380	3,812,823	2,129,517	6.1%	129,630	320,865	1,237,624

Parameters:

6.6	tons per capita
20.2	tons per truck
25	miles one-way
500,000	tons, Project Increment

This spreadsheet utilizes projected growth and the assumption that 6.6 tons of aggregate are used per capita per year (California Geological Survey's *Special Report 215*, March 28, 2012) to determine the total future demand for aggregate resources in the Project region. Peak historical variation in the market above the straight line estimate was 35% and occurred in 2003. Thus, the average future demand is multiplied by 1.35 to reflect a peak year fluctuation in aggregates use. The Project is attributed its fair share of the variation based on maximum throughput and size of the market (e.g. fair share in 2013 is 500,000 tons / 6,173,106 tons = 8.1%). The fair share percentage is multiplied by the variation between a peak and average year (1,600,435 tons) to determine that the Project is attributed 129,630 tons due to variation in the market. In addition, 100% of the average market growth (28,717 tons) is attributed to the Project for a total of 158,346 tons in 2013. The increase in total vehicle miles traveled

$$Average\ Market\ Growth\ (VMT) = Population \times \frac{6.6\ tons}{Person} \times \frac{load}{20.2\ tons} \times \frac{2\ trips}{load} \times \frac{25\ miles}{trip}$$

$$Variation\ Under\ Peak\ Market = 1.35 \times Average\ Demand - Average\ Market\ Growth$$

$$Project\ as\ Percentage\ of\ Peak\ Market = 500{,}000\ tpy \div (Peak\ Potential\ Demand - Average\ Market\ Growth)$$

$$Project\ Share\ of\ Variationin\ Peak\ Market = Project\ Percentage\ of\ Peak\ Market \times Variation\ Under\ Peak\ Market \times \frac{load}{20.2\ tons} \times \frac{2\ trips}{load} \times \frac{25\ miles}{trip}$$

$$Reasonable\ Worst\ Case\ Project\ Impact\ (VMT) = Average\ Market\ Growth + Project\ Share\ of\ Variation\ in\ Peak\ Market$$

On-Road Emissions Calculations - Project Share of Unmitigated Annual Emissions

Year	Project Share of VMT (Growth in Aggregate, No Recycle Trips)	Project ROG (Tons)	Project CO (Tons)	Project NOx (Tons)	Project CO2 (Metric Tons)	Project PM10 (Tons)	Project SOx (Tons)
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2013	391,946	0.34	1.55	5.85	695	0.26	0.01
2014	463,027	0.36	1.65	6.44	823	0.27	0.01
2015	534,107	0.29	1.35	6.89	955	0.21	0.01
2016	605,205	0.28	1.26	6.83	1,080	0.19	0.01
2017	676,285	0.21	0.98	6.47	1,211	0.15	0.01
2018	747,366	0.22	1.04	6.39	1,337	0.15	0.01
2019	818,447	0.24	1.16	6.28	1,462	0.16	0.02
2020	889,527	0.27	1.27	6.19	1,588	0.18	0.02
2021	965,003	0.30	1.42	5.29	1,723	0.19	0.02
2022	1,040,494	0.33	1.62	4.14	1,857	0.20	0.02
2023	1,115,969	0.38	1.85	3.39	1,992	0.21	0.02
2024	1,191,461	0.38	1.88	3.18	2,123	0.23	0.02
2025	1,237,624	0.40	1.96	3.33	2,205	0.24	0.02
2026	1,237,624	0.40	1.96	3.34	2,205	0.24	0.02
2027	1,237,624	0.40	1.97	3.35	2,205	0.24	0.02
2028	1,237,624	0.40	1.96	3.35	2,205	0.24	0.02
2029	1,237,624	0.40	1.96	3.34	2,205	0.24	0.02
2030	1,237,624	0.40	1.96	3.33	2,205	0.24	0.02
2031	1,237,624	0.40	1.96	3.33	2,205	0.24	0.02
2032	1,237,624	0.40	1.96	3.33	2,205	0.24	0.02
2033	1,237,624	0.40	1.95	3.33	2,205	0.24	0.02
2034	1,237,624	0.40	1.95	3.33	2,205	0.24	0.02
2035	1,237,624	0.40	1.95	3.32	2,205	0.24	0.02
2036	1,237,624	0.40	1.95	3.32	2,205	0.24	0.02
	Maximums:	**0.40**	**2.0**	**6.9**	**2,205**	**0.27**	**0.023**
	70-yr DPM:					0.23	
	25-yr DPM					0.22	

Project Share of VMT is calculated on a previous spreadsheet. As the market grows, diesel truck emissions control regulations will be phased in by CARB. Accordingly, Project emissions change over time, as shown in this table. The maximum year of emissions for each of the pollutants is conservatively used to determine significance.
Emissions from trucks carrying recycleables are not counted towards the Project or Facility impact on regional air quality because generation of recycleables is not a result of the Project and those materials would otherwise be hauled elsewhere for recycling for disposal in a landfill.

On-Road Emissions Calculations - Total Facility Unmitigated Annual Emissions

Year	Facility Loadout with Recycle (tons)	Facility VMT including Recycle Trips	Facility ROG (Tons)	Facility CO (Tons)	Facility NOx (Tons)	Facility CO2 (Metric Tons)	Facility PM10 (Tons)	Facility SOx (Tons)
2011	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-
2013	689,325	1,706,250	1.34	6.1	23.7	3,034	1.00	0.032
2014	689,325	1,706,250	0.94	4.3	22.0	3,050	0.68	0.032
2015	689,325	1,706,250	0.78	3.6	19.3	3,045	0.54	0.032
2016	689,325	1,706,250	0.53	2.5	16.3	3,054	0.37	0.032
2017	689,325	1,706,250	0.50	2.4	14.6	3,051	0.34	0.032
2018	689,325	1,706,250	0.51	2.4	13.1	3,048	0.34	0.032
2019	689,325	1,706,250	0.51	2.4	11.9	3,046	0.34	0.032
2020	689,325	1,706,250	0.52	2.5	9.4	3,046	0.34	0.032
2021	689,325	1,706,250	0.55	2.7	6.8	3,045	0.33	0.032
2022	689,325	1,706,250	0.58	2.8	5.2	3,046	0.33	0.032
2023	689,325	1,706,250	0.55	2.7	4.6	3,041	0.32	0.032
2024	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2025	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2026	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2027	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2028	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2029	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2030	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2031	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2032	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2033	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2034	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2035	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
2036	689,325	1,706,250	0.55	2.7	4.6	3,040	0.33	0.032
		Maximums:	**1.34**	**6.1**	**23.7**	**3,054**	**1.00**	**0.032**
		70-yr DPM:					0.34	
		25-yr DPM					0.38	

This table presents the total Project emissions based on 100% of the total throughput for every Project year.

$$Emissions\ (tons) = VMT\ * Emissions\ Factor\left(\frac{lb}{VMT}\right) \div \frac{ton}{2{,}000\ lb}$$

On-Road Emissions Calculations - Unmitigated Emissions Factors (based on a Annual Average)

Year	EMFAC ROG (lb/VMT)	EMFAC CO (lb/VMT)	EMFAC NOx (lb/VMT)	EMFAC CO2 (lb/VMT)	EFMAC PM10 (lb/VMT)	EMFAC SOx (lb/VMT)	EFMAC Fuel Efficiency (MPG)
2011	-	-	-	-	-	-	-
2012	0.0018	0.0079	0.0298	3.91	0.0013	0.00004	5.7
2013	0.0016	0.0071	0.0278	3.92	0.0012	0.00004	5.7
2014	0.0011	0.0050	0.0258	3.94	0.0008	0.00004	5.6
2015	0.0009	0.0042	0.0226	3.94	0.0006	0.00004	5.6
2016	0.0006	0.0029	0.0191	3.95	0.0004	0.00004	5.6
2017	0.0006	0.0028	0.0171	3.94	0.0004	0.00004	5.6
2018	0.0006	0.0028	0.0154	3.94	0.0004	0.00004	5.6
2019	0.0006	0.0029	0.0139	3.94	0.0004	0.00004	5.6
2020	0.0006	0.0029	0.0110	3.94	0.0004	0.00004	5.6
2021	0.0006	0.0031	0.0080	3.94	0.0004	0.00004	5.6
2022	0.0007	0.0033	0.0061	3.94	0.0004	0.00004	5.6
2023	0.0006	0.0032	0.0053	3.93	0.0004	0.00004	5.7
2024	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2025	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2026	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2027	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2028	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2029	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2030	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2031	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2032	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2033	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2034	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7
2035	0.0006	0.0032	0.0054	3.93	0.0004	0.00004	5.7

The emissions factors are derived from CARB EMFAC2011 using the method described in CalEEMod User Manual, Appendix A. EMFAC was run for Kern County calculated by sub-area and in annual mode for all model years with output settings for Mysql. Daily emissions (tons per day), vehicle miles traveled (VMT), and fuel use reported by EMFAC2011 were used to calculate the emissions factors.

Project emissions are calculated using the increment in VMT. The Project is not credited for future reductions in fleet emissions that will occur as a result of turnover and regulatory programs even though emissions will descrease as shown for the Facility. Aggregate demand and population forecasts from Special Report 215 (CGS, 2011) and Map Sheet 52 (CGS, 2001, rev. 2006).

On-Road Emissions Calculations - Project Share of Unmitigated Daily Emissions

Year	Project Share of VMT/yr	Project ROG (lb/day)	Project CO (lb/day)	Project NOx (lb/day)	Project CO2 (lb/day)	Project PM10 (lb/day)	Project SOx (lb/day)
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2013	391,946	2.47	11.39	43.76	6,138	1.83	0.06
2014	463,027	2.04	9.63	47.96	7,290	1.48	0.07
2015	534,107	1.96	9.28	48.36	8,394	1.35	0.08
2016	605,205	1.51	7.42	46.46	9,536	1.05	0.09
2017	676,285	1.61	8.03	46.42	10,645	1.08	0.10
2018	747,366	1.81	9.10	46.02	11,752	1.19	0.11
2019	818,447	1.98	10.04	45.67	12,859	1.30	0.12
2020	889,527	2.21	11.33	39.08	13,974	1.40	0.13
2021	965,003	2.51	13.09	30.75	15,151	1.50	0.14
2022	1,040,494	2.88	15.10	25.26	16,335	1.60	0.16
2023	1,115,969	2.93	15.50	23.81	17,491	1.70	0.17
2024	1,191,461	3.13	16.57	25.56	18,671	1.82	0.18
2025	1,237,624	3.26	17.24	26.69	19,392	1.89	0.19
2026	1,237,624	3.26	17.26	26.76	19,392	1.90	0.19
2027	1,237,624	3.26	17.25	26.74	19,391	1.90	0.19
2028	1,237,624	3.25	17.22	26.67	19,390	1.89	0.18
2029	1,237,624	3.25	17.19	26.62	19,390	1.89	0.18
2030	1,237,624	3.24	17.18	26.60	19,390	1.89	0.18
2031	1,237,624	3.24	17.18	26.60	19,391	1.89	0.18
2032	1,237,624	3.24	17.18	26.58	19,391	1.89	0.18
2033	1,237,624	3.24	17.17	26.56	19,390	1.89	0.18
2034	1,237,624	3.24	17.16	26.53	19,390	1.89	0.18
2035	1,237,624	3.24	17.15	26.52	19,390	1.89	0.18
2036	1,237,624	3.24	17.15	26.52	19,390	1.89	0.18
	Maximums:	**3.26**	**17.3**	**48.4**	**19,392**	**1.90**	**0.185**
	70-yr DPM:					1.81	
	25-yr DPM					1.61	

Project Share of VMT is calculated on a previous spreadsheet. As the market grows, diesel truck emissions control regulations will be phased in by CARB. Accordingly, Project emissions change over time, as shown in this table. The maximum year of emissions for each of the pollutants is conservatively used to determine significance.
Emissions from trucks carrying recycleables are not counted towards the Project or Facility impact on regional air quality because generation of recycleables is not a result of the Project and those materials would otherwise be hauled elsewhere for recycling for disposal in a landfill.

On-Road Emissions Calculations - Total Project Unmitigated Daily Emissions

Year	Facility Loadout with Recycle (tons)	Facility VMT/day	Facility ROG (lb/day)	Facility CO (lb/day)	Facility NOx (lb/day)	Facility CO2 (lb/day)	Facility PM10 (lb/day)	Facility SOx (lb/day)
2011	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-
2013	689,325	6,825	10.75	49.6	190.5	26,719	7.97	0.255
2014	689,325	6,825	7.53	35.5	176.7	26,863	5.44	0.256
2015	689,325	6,825	6.28	29.6	154.5	26,814	4.32	0.256
2016	689,325	6,825	4.26	20.9	131.0	26,884	2.95	0.256
2017	689,325	6,825	4.06	20.3	117.1	26,857	2.73	0.256
2018	689,325	6,825	4.13	20.8	105.1	26,830	2.72	0.256
2019	689,325	6,825	4.14	20.9	95.2	26,808	2.70	0.256
2020	689,325	6,825	4.23	21.7	75.0	26,805	2.68	0.256
2021	689,325	6,825	4.45	23.1	54.4	26,788	2.66	0.256
2022	689,325	6,825	4.72	24.8	41.4	26,787	2.63	0.256
2023	689,325	6,825	4.47	23.7	36.4	26,742	2.60	0.255
2024	689,325	6,825	4.48	23.7	36.6	26,738	2.60	0.255
2025	689,325	6,825	4.49	23.8	36.8	26,735	2.61	0.255
2026	689,325	6,825	4.50	23.8	36.9	26,734	2.61	0.255
2027	689,325	6,825	4.49	23.8	36.9	26,734	2.61	0.255
2028	689,325	6,825	4.49	23.7	36.8	26,733	2.61	0.255
2029	689,325	6,825	4.48	23.7	36.7	26,732	2.61	0.255
2030	689,325	6,825	4.47	23.7	36.7	26,732	2.61	0.255
2031	689,325	6,825	4.47	23.7	36.7	26,733	2.61	0.255
2032	689,325	6,825	4.47	23.7	36.6	26,733	2.61	0.255
2033	689,325	6,825	4.47	23.7	36.6	26,733	2.61	0.255
2034	689,325	6,825	4.46	23.7	36.6	26,732	2.60	0.255
2035	689,325	6,825	4.46	23.6	36.6	26,732	2.60	0.255
2036	689,325	6,825	4.46	23.6	36.6	26,732	2.60	0.255
		Maximums:	**10.75**	**49.6**	**190.5**	**26,884**	**7.97**	**0.256**
		70-yr DPM:					2.76	
		25-yr DPM					2.92	

This table presents the total Project emissions based on 100% of the total throughput for every Project year.

273 trips/day
25 miles per trip

$$Emissions\ (lb/day) = \frac{273\ Trips}{Day} \times \frac{25\ VMT}{Trip} \times Emissions\ Factor\ \left(\frac{lb}{VMT}\right)$$

On-Road Emissions Calculations - Unmitigated Emissions Factors (based on a Winter day)

Year	EMFAC ROG (lb/VMT)	EMFAC CO (lb/VMT)	EMFAC NOx (lb/VMT)	EMFAC CO2 (lb/VMT)	EFMAC PM10 (lb/VMT)	EMFAC SOx (lb/VMT)	EFMAC Fuel Efficiency (MPG)
2011							
2012	0.0018	0.0080	0.0299	3.91	0.0013	0.00004	5.7
2013	0.0016	0.0073	0.0279	3.91	0.0012	0.00004	5.7
2014	0.0011	0.0052	0.0259	3.94	0.0008	0.00004	5.6
2015	0.0009	0.0043	0.0226	3.93	0.0006	0.00004	5.7
2016	0.0006	0.0031	0.0192	3.94	0.0004	0.00004	5.6
2017	0.0006	0.0030	0.0172	3.94	0.0004	0.00004	5.6
2018	0.0006	0.0030	0.0154	3.93	0.0004	0.00004	5.7
2019	0.0006	0.0031	0.0139	3.93	0.0004	0.00004	5.7
2020	0.0006	0.0032	0.0110	3.93	0.0004	0.00004	5.7
2021	0.0007	0.0034	0.0080	3.93	0.0004	0.00004	5.7
2022	0.0007	0.0036	0.0061	3.92	0.0004	0.00004	5.7
2023	0.0007	0.0035	0.0053	3.92	0.0004	0.00004	5.7
2024	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2025	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2026	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2027	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2028	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2029	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2030	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2031	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2032	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2033	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2034	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7
2035	0.0007	0.0035	0.0054	3.92	0.0004	0.00004	5.7

The emissions factors are derived from CARB EMFAC2011 using the method described in CalEEMod User Manual, Appendix A. EMFAC was run for San Luis Obispo County in annual mode and in winter mode for all model years with output settings for Mysql. Daily emissions (tons per day), vehicle miles traveled (VMT), and fuel use reported by EMFAC2011 were used to calculate the emissions factors.

Project emissions are calculated using the increment in VMT. The Project is not credited for future reductions in fleet emissions that will occur as a result of turnover and regulatory programs even though emissions will descrease as shown for the Facility. Aggregate demand and population forecasts from Special Report 215 (CGS, 2011) and Map Sheet 52 (CGS, 2001, rev. 2006).

Offsite Haul Truck Emissions (Used in Modeling Only.)
Used for modeling criteria pollutant and health risk impacts

Idling Emissions

	Trips/day	Trips/yr	Idling per stop hr/day	idling per stop hr/yr
Unmitigated	273	68,250	2	569

Annual Emissions (Pounds per Year per Stoping Location)

	PM10	DPM - 70 yr	DPM - 25 yr
Unmitigated	0.840078	0.163847	0.215084

Daily Emissions (Pounds per Day per Stop)

	PM10	DPM - 70 yr	DPM - 25 yr	ROG
Unmitigated	0.0041	0.0007	0.0009	0.0408

Unmitigated HHDT PM10 Idling Emissions Factors (g/hr-veh)

	season	Unmitigated DPM		Unmitigated ROG
	a	0.670		7.53
	w	0.82		8.13

From EMFAC2011 Idling Emissions Rates Spreadsheet:
http://www.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx

0.0083 idle-hr/vehicle/trip/stop (i.e. 30 second waits at each light)

$$Idling\ Emissions\left(\frac{pounds}{stop\ location-year}\right) = \frac{Trips}{Year}\times\frac{0.5\ idle-minutes}{stop\ location-Trips}\times\frac{hour}{60\ minutes} \times Emissions\ Factor\frac{grams}{idle-hour}\times\frac{pounds}{453.59\ grams}$$

DPM Emissions Factors by Calendar Year (g/hr-veh)

	2013	2014	2015
1 Year	0.670	0.458	0.370
70 YEAR AVG	0.131	0.123	0.117640
25 YEAR AVG	0.172	0.149	0.135046

Unmitigated HHDT Idling Emissions Factors

CY	season	DPM (g/hr-veh)
2012	a	1.07
2013	a	0.670
2014	a	0.458
2015	a	0.370
2016	a	0.214
2017	a	0.176
2018	a	0.169
2019	a	0.162
2020	a	0.154
2021	a	0.146
2022	a	0.140
2023	a	0.110
2024	a	0.110
2025	a	0.109
2026	a	0.109
2027	a	0.109
2028	a	0.109
2029	a	0.109
2030	a	0.108
2031	a	0.108
2032	a	0.108
2033	a	0.108
2034	a	0.108
2035	a	0.108

Running Emissions

Cancer Risk Off-site Roadway Emissions (25 Year DPM Emissions Factors)

Speed	VMT/yr	Dust PM10 (lb/source-year)	DPM E.F. (lb/VMT)	DPM (lb/source-yr)	Number of Sources	DPM (lb/yr)
15	288802	9.91	0.000293	0.40	18	7.16
25	288802	9.91	0.00020	0.27	15	4.07
35	288802	9.91	0.00018	0.25	180	44.75
				TOTALS:	213	55.98

Non-Cancer Risk Off-site Roadway Emissions (2013 DPM Emissions Factors)

Speed	VMT/day	ROG EF (lb/VMT)	DPM E.F. (lb/VMT)	ROG (lb/source-day)	DPM (lb/source-day)
15	1155	0.0058	0.001789	0.0312	0.0097
25	1155	0.0019	0.00101	0.0105	0.0055
35	1155	0.0013	0.00081	0.0072	0.0044

Speed	VMT/day	Number of Sources	ROG (lb/day)	DPM (lb/day)	DPM (lb/yr)
15	1155	18	0.56	0.17	43.7
25	1155	15	0.16	0.08	20.5
35	1155	180	1.30	0.79	197.3
TOTALS:	213.00	2.02	1.05	261.46	

$$Running\ Emissions\left(\frac{pounds}{source-year}\right) = \frac{273\ trips}{day} \times \frac{6{,}810\ m}{trip} \times \frac{mile}{1609\ m} \times \frac{250\ days}{year} \times Emissions\ Factor\left(\frac{pounds}{mile}\right) \div 213\ Sources$$

1.6093472 km/mi
453.59237 g/lb
2000 lb/ton
2205 lb/Metric ton

Model Road Source Characteristics

Source ID	Description	Model Source Number	Distance (m)
L0004474	Westernmost Source on El Camino Real	4474	1375
L0004517	Intersection of Estrada Ave and El Camino Real	4517	155
L0004522	Estrada Ave at H Street	4522	2260
L0004593	W Pozo Road at Calf Canyon Hwy	4593	3020
L0004686	Calf Canyon Hwy at Project Driveway	4686	

Link	Description	Length (m)	Number of Sources	Meters per Source
A	Facility Driveway to W Pozo Rd	3020	94	32.13
B	W Pozo Rd to H St	2260	71	31.83
C	H St to El Camino Real	155	5	31.00
D	El Camino Real	1375	43	31.98
	TOTAL	6810	213	32.0

Vehicles are assumed to travel 35 mph except near intersections described in the Traffic Study where they travel 15 mph for the two road sources on each side of the stop location and 25 mph for three road sources between the 35 and 15 mph sources. The stop locations assume 15 mph and 30 seconds of idling for each vehicle. Accordingly, there are four speed/idle scenarios that are summarized in the table below.

Speed/Idle	Source IDs				
35	L0004474 to 4511	L0004528 to 4587	L0004599 to 4680		
25	L0004512 to 4514	L0004525 to 4527	L0004588 to 4590	L0004596 to 4598	L0004681 to 4683
15	L0004516, 17, 19, 20, 21, 23, 24, 91, 92, 94, 95			L0004684, 85	
15+idle	L0004517	L0004522	L0004593	L0004686	

Onsite Haul Truck Emissions

Used for modeling criteria pollutant and health risk impacts

Idling Emissions

	Trips/day	Loads/year	Idling hr/day	Idling hr/yr
Unmitigated	273	34,125	23	2844
Mitigated	273	34,125	23	2844

Assumptions:

0.083 idle-hr/vehicle/load

Loads/yr = 273 trips per day / 2 trips per load * 250 days per year

Annual Emissions (Tons per Year)

	ROG	NOx	CO	PM10	PM2.5	CO2e (MT)	DPM - 70 yr	DPM - 25 yr
Unmitigated	0.02	0.25	0.12	0.0021	0.0019	19.84	0.00041	0.00054
Mitigated	0.02	0.25	0.12	0.0021	0.0021	21.88	0.00041	0.00054

Daily Emissions (Pounds per Day)

lb/metric tonne (CO2 only)

	ROG	NOx	CO	PM10	PM2.5	CO2e	DPM - 70 yr	DPM - 25 yr
Unmitigated	0.41	3.88	2.64	0.041	0.04	321	0.007	0.009
Mitigated	0.41	3.88	2.64	0.041	0.04	321	0.007	0.009

Unmitigated HHDT Idling Emissions Factors (g/hr-veh)

CY	season	HC	CO	NOX	PM10	PM2.5	CO2	ROG	Sox
2013	a	5.95	38.19	80.86	0.670	0.62	6978	7.53	0.067
2013	w	6.4	52.6	77.3	0.82	0.75	6406	8.1	0.061

From EMFAC2011 Idling Emissions Rates Spreadsheet: http://www.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx

$$Idling\ Emissions\left(\frac{tons}{year}\right)=\frac{Loads}{Year}\times\frac{5\ idle-minutes}{Load}\times\frac{hour}{60\ minutes}\times Emissions\ Factor\ \frac{grams}{idle-hour}\times\frac{pounds}{453.59\ grams}\times\frac{tons}{2{,}000\ pounds}$$

Mitigated HHDT Idling Emissions Factors - NO CHANGE FROM DEFAULT FLEET (g/hr-veh)

CY	season	HC	CO	NOX	PM10	PM2.5	CO2	ROG	Sox
2013	a	5.95	38.19	80.86	0.670	0.62	6978	7.53	0.067
2013	w	6.4	52.6	77.3	0.82	0.75	6406	8.1	0.061

From EMFAC2011 Idling Emissions Rates Spreadsheet: http://www.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx

Running Emissions

	Trips/day	Loads/yr	Distance (mi)	VMT/day	VMT/yr
Unmitigated	273	34,125	0.66	180	22,523
Mitigated	273	34,125	0.66	180	22,523

Annual Emissions (Tons per Year)

	ROG	NOx	CO	PM10	PM2.5	CO2e (MT)	DPM - 70 yr	DPM - 25 yr
Unmitigated	0.06	0.48	0.18	0.0201	0.02	61.5	0.0022	0.0033
Mitigated	0.06	0.48	0.18	0.0201	0.02	61.5	0.0020	0.0026

Daily Emissions (Pounds per Day)

	ROG	NOx	CO	PM10	PM2.5	CO2e	DPM - 70 yr	DPM - 25 yr
Unmitigated	1.04	7.59	2.84	0.32	0.32	1,084	0.036	0.053
Mitigated	1.04	7.59	2.84	0.32	0.32	1,084	0.031	0.041

Unmitigated Running Emissions Factors at 15 mph (lb/VMT)

SEASON	YEAR	ROG	CO	NOx	CO2	PM10	SOx	MPG
a	2013	0.0058	0.016	0.043	6.0	0.0018	0.00006	3.6923
w	2013	0.0058	0.016	0.042	6.0	0.0018	0.00006	3.6923

$$Running\ Emissions\left(\frac{tons}{year}\right)=\frac{Loads}{Year}\times\frac{0.66\ miles}{Load}\times Annual\ Emissions\ Factor\ (\frac{pounds}{VMT})\times\frac{tons}{2{,}000\ pouns}$$

Mitigated Running Emissions at 15 mph - NO CHANGE FROM DEFAULT FLEET (lb/VMT)

SEASON	YEAR	ROG	CO	NOx	CO2	PM10	SOx	MPG
a	2013	0.0058	0.0158	0.0425	6.0186	0.0018	0.00006	3.6923
w	2013	0.0058	0.0158	0.0421	6.0186	0.0018	0.00006	3.6923

Future Year Emissions Factor Averaging

Idling Emissions Factors Unmitigated DPM

	2013	2014	2015
70 YEAR FACTOR	0.131	0.123	0.117640
25 YEAR FACTOR	0.172	0.149	0.135046

Running Emissions Factors Unmitigated DPM

	2013	2014	2015
70 YEAR FACTOR	0.00020	0.00017	0.000160
25 YEAR FACTOR	0.00029	0.00023	0.000187

Unmitigated HHDT Idling Emissions Factors

CY	season	DPM (g/hr-veh)
2012	a	1.07
2013	a	0.670
2014	a	0.458
2015	a	0.370
2016	a	0.214
2017	a	0.176
2018	a	0.169
2019	a	0.162
2020	a	0.154
2021	a	0.146
2022	a	0.140
2023	a	0.110
2024	a	0.110
2025	a	0.109
2026	a	0.109
2027	a	0.109
2028	a	0.109
2029	a	0.109
2030	a	0.108
2031	a	0.108
2032	a	0.108
2033	a	0.108
2034	a	0.108
2035	a	0.108

Running Emissions at 15 mph (lb/VMT)

CY	Unmitigated DPM
2012	0.00212
2013	0.00179
2014	0.00116
2015	0.00078
2016	0.00030
2017	0.00023
2018	0.00022
2019	0.00020
2020	0.00017
2021	0.00015
2022	0.00015
2023	0.00014
2024	0.00015
2025	0.00015
2026	0.00015
2027	0.00015
2028	0.00015
2029	0.00015
2030	0.00015
2031	0.00015
2032	0.00015
2033	0.00015
2034	0.00015
2035	0.00015

On Road Worker Commute Emissions

Pollutant	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$	CO_2[4]
EF (g/VMT)[1]	0.371	0.306	3.337	0.003	0.048	0.021	331
Roundtrips/day	10						
Roundtrips/year[2]	2,500						
Miles/roundtrip[3]	30.0						
Emissions (tpy & MT/yr)	0.031	0.025	0.276	0.000	0.004	0.002	25
Emissions (lb/day)	0.245	0.202	2.207	0.002	0.032	0.014	219

[1] Emission factors from EMFAC2011 for gasoline LDA during winter of 2012 in San Luis Obispo County.

[2] Yearly round trips based on 5 employees making 10 round trips per day and 250 days per year

[3] Assuming the majority of employees come from Atascadero

453.59 g/lb 2000 lb/ton 2205 lb/metric tonne

[4] CO2 converted to CO2e by multiplying by 5% as per Guidance in the BAAQMD's *Greenhouse Gas Model User's Manual* (CO2 only)

$$Emissions\left(\frac{tons}{year}\right) = 5\ employees \times \frac{2\ roundtrips}{employee-day} \times \frac{30\ miles}{roundtrip} \times \frac{250\ days}{year} \times Emissions\ Factor\left(\frac{grams}{VMT}\right) \times \frac{pound}{453.59\ grams} \times \frac{ton}{2{,}000\ pounds}$$

Dust Emissions Calculations - Paved Road Dust

Paved Road Emissions Factors

EF= k * (sL)^a * (W)^b * (1-P/4N) AP-42, Section 13.2.1 (Jan. 2011)

	PM10	PM2.5
k=	0.0022	0.00054
a=	0.91	0.91
b=	1.02	1.02
P=	44	44
N=	365	365

UNMITIGATED FACTOR

Control Factor[2] = 0%

sL= 8.2 g/m^2

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	0.64	0.16
Empty =	12	0.19	0.05
Average =	26	0.42	0.10
Annual Avg.[1] =	---	0.40	0.10

MITIGATED FACTOR

Control Factor[2] = 95%

sL= 0.41 g/m^2

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	0.042	0.010
Empty =	12	0.012	0.003
Average =	26	0.027	0.007
Annual Avg.[1] =	---	0.026	0.006

OFFSITE

sL= 0.1 g/m^2

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	0.0117	0.0029
Empty =	12	0.0034	0.0008
Average =	26	0.0075	0.0018
Annual Avg.[1] =	---	0.0073	0.0018

[1] Annual average emissions factors take into account the rainfall adjustment factor [(N-P)/N]. This adjustment factor is not included in the daily emissions.

[2] The control factor is applied to silt loading (SL), not the emissions factor. The control factor for the mitigated scenario is based on street sweeping.

The control factor was chosen so that the silt loading would be consistent with low to moderate use roads (i.e. AP42, Section 13.2.1 shows <500 ADT at 0.6 g/m2 and < 5000 ADT is 0.2 g/m2).

Default silt loading in CalEEMod is 0.1 g/m2 and is used to model offsite road emissions.

Paved Road Emissions

ON-SITE

Scenario	Trips		One Way Distance (mi)	VMT		PM10		PM2.5	
	Per Day	Per Year		Per Day	Per Year	lb/day	tpy	lb/day	tpy
Unmitigated	273	68,250	0.23	63	15,698	26.09	3.16	6.40	0.78
Mitigated	273	68,250	0.23	63	15,698	1.71	0.21	0.42	0.05

OFF-SITE (used in Cancer Risk HRA model)

Scenario	Trips		One Way Distance (mi)	VMT		PM10		PM2.5	
	Per Day	Per Year		Per Day	Per Year	lb/day	tpy	lb/day	tpy
Unmitigated	273	68250	4.232	1,155	288,802	8.70	1.06	2.14	0.26
Mitigated	273	68250	4.232	1,155	288,802	8.70	1.06	2.14	0.26

Conversion:
1.609347 km/mi

OFF-SITE

Scenario	Trips		One Way Distance (mi)	VMT		PM10		PM2.5	
	Per Day	Per Year		Per Day	Per Year	lb/day	tpy	lb/day	tpy
Unmitigated	273	68250	25	6,825	1,706,250	49.87	6.23	12.24	1.53
Mitigated	273	68250	25	6,825	1,706,250	49.87	6.23	12.24	1.53

Dust Emissions Calculations - Unpaved Road Dust

Unpaved Road Emissions Factors

EF= k * (S/12)^a * (W/3)^b * [(N-P)/N] AP-42, Section 13.2.2 (Nov. 2006), CalEEMod User Manual Appendix D

	PM10	PM2.5	
k=	1.5	0.15	
a=	0.9	0.9	
b=	0.45	0.45	
N=	365	365	(days per year)
P=	44	44	(rain days per year based on CalEE mod manual)

UNCONTROLLED FACTOR

S= 4.8 %

Control Factor = 0%

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	2.11	0.21
Empty =	12	1.23	0.12
Average =	26	1.67	0.17
Annual Average[1] =	---	1.47	0.15

UNMITIGATED FACTOR

S= 4.8 %

Control Factor[2] = 60%

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	0.84	0.08
Empty =	12	0.49	0.05
Average =	26	0.67	0.07
Annual Avg.[1] =	---	0.59	0.06

MITIGATED

S= 4.8 %

Control Factor[2] = 95%

Parameter	Weight (tons)	PM10 E.F. (lb/VMT)	PM2.5 E.F. (lb/VMT)
Full =	40	0.11	0.01
Empty =	12	0.06	0.01
Average =	26	0.08	0.01
Annual Avg.[1] =	---	0.07	0.01

[1] Annual average emissions factors take into account the rainfall adjustment factor [(N-P)/N]. This adjustment factor is not included in the daily emissions estimate.

[2] The control factor for the unmitigated emissions is for water spray. The control factor for the mitigated scenario is water spray and chemical dust suppression.

Unpaved Road Emissions

Scenario	Trips		One Way	VMT		PM10		PM2.5	
	Per Day	Per Year	Distance (mi)	Per Day	Per Year	lb/day	tpy	lb/day	tpy
Unmitigated	273	68,250	0.1	27	6,825	18.22	2.00	1.82	0.20
Mitigated	273	68,250	0.1	27	6,825	2.28	0.25	0.23	0.03

Annual 35 mph Truck Running Emissions (lb/VMT)

	ROG	CO	NOx	CO2	PM10	SOx	MPG
2012	0.001499	0.007814	0.029169	3.929412	0.000944	3.75E-05	5.655356
2013	0.001336	0.006893	0.027167	3.932745	0.000808	3.75E-05	5.650563
2014	0.000916	0.004756	0.02517	3.94775	0.000504	3.77E-05	5.629086
2015	0.000749	0.003662	0.021941	3.933147	0.000344	3.75E-05	5.649984
2016	0.000507	0.002208	0.018568	3.930256	0.000173	3.75E-05	5.654142
2017	0.000479	0.002036	0.016559	3.922459	0.000145	3.74E-05	5.66538
2018	0.000485	0.002047	0.014817	3.91463	0.000143	3.73E-05	5.676711
2019	0.000482	0.002022	0.013393	3.908109	0.000141	3.73E-05	5.686183
2020	0.000485	0.001997	0.010526	3.898725	0.000138	3.72E-05	5.69987
2021	0.0005	0.002041	0.007535	3.885606	0.000134	3.71E-05	5.719113
2022	0.000522	0.002132	0.005551	3.875546	0.00013	3.7E-05	5.73396
2023	0.000483	0.001974	0.004764	3.866541	0.000127	3.69E-05	5.747313
2024	0.000485	0.001982	0.0048	3.866421	0.000128	3.69E-05	5.747491
2025	0.000486	0.00199	0.004831	3.866367	0.000129	3.69E-05	5.747571
2026	0.000487	0.001994	0.004846	3.866329	0.000129	3.69E-05	5.747628
2027	0.000487	0.001992	0.004841	3.866262	0.000129	3.69E-05	5.747729
2028	0.000486	0.001987	0.004827	3.866165	0.000129	3.69E-05	5.747872
2029	0.000485	0.001982	0.004816	3.866073	0.000128	3.69E-05	5.748008
2030	0.000484	0.00198	0.004812	3.86602	0.000128	3.69E-05	5.748088
2031	0.000484	0.001979	0.004811	3.866004	0.000128	3.69E-05	5.748112
2032	0.000483	0.001978	0.004808	3.865984	0.000128	3.69E-05	5.748141
2033	0.000483	0.001977	0.004802	3.86596	0.000128	3.69E-05	5.748177
2034	0.000483	0.001975	0.004797	3.865932	0.000128	3.69E-05	5.748218
2035	0.000482	0.001974	0.004795	3.865918	0.000128	3.69E-05	5.74824
2013			25 yr DPM Factor		0.000183		
2013			70 yr DPM Factor		0.000148		

Winter 35 mph Truck Running Emissions (lb/VMT)

	ROG	CO	NOx	CO2	PM10	SOx	MPG
2012	0.001499	0.007814	0.028917	3.929412	0.000944	3.75E-05	5.655356
2013	0.001336	0.006893	0.026933	3.932745	0.000808	3.75E-05	5.650563
2014	0.000916	0.004756	0.024953	3.94775	0.000504	3.77E-05	5.629086
2015	0.000749	0.003662	0.021752	3.933147	0.000344	3.75E-05	5.649984
2016	0.000507	0.002208	0.018408	3.930256	0.000173	3.75E-05	5.654142
2017	0.000479	0.002036	0.016417	3.922459	0.000145	3.74E-05	5.66538
2018	0.000485	0.002047	0.014689	3.91463	0.000143	3.73E-05	5.676711
2019	0.000482	0.002022	0.013278	3.908109	0.000141	3.73E-05	5.686183
2020	0.000485	0.001997	0.010435	3.898725	0.000138	3.72E-05	5.69987
2021	0.0005	0.002041	0.00747	3.885606	0.000134	3.71E-05	5.719113
2022	0.000522	0.002132	0.005504	3.875546	0.00013	3.7E-05	5.73396
2023	0.000483	0.001974	0.004723	3.866541	0.000127	3.69E-05	5.747313
2024	0.000485	0.001982	0.004758	3.866421	0.000128	3.69E-05	5.747491
2025	0.000486	0.00199	0.004789	3.866367	0.000129	3.69E-05	5.747571
2026	0.000487	0.001994	0.004805	3.866329	0.000129	3.69E-05	5.747628
2027	0.000487	0.001992	0.0048	3.866262	0.000129	3.69E-05	5.747729
2028	0.000486	0.001987	0.004786	3.866165	0.000129	3.69E-05	5.747872
2029	0.000485	0.001982	0.004774	3.866073	0.000128	3.69E-05	5.748008
2030	0.000484	0.00198	0.00477	3.86602	0.000128	3.69E-05	5.748088
2031	0.000484	0.001979	0.00477	3.866004	0.000128	3.69E-05	5.748112
2032	0.000483	0.001978	0.004766	3.865984	0.000128	3.69E-05	5.748141
2033	0.000483	0.001977	0.004761	3.86596	0.000128	3.69E-05	5.748177
2034	0.000483	0.001975	0.004756	3.865932	0.000128	3.69E-05	5.748218
2035	0.000482	0.001974	0.004754	3.865918	0.000128	3.69E-05	5.74824

Annual	25 mph	Truck Running Emissions (lb/VMT)					
2012	0.002198	0.010397	0.032226	4.426313	0.001185	4.22E-05	5.020482
2013	0.001943	0.009071	0.030108	4.430067	0.001009	4.23E-05	5.016227
2014	0.001321	0.00624	0.027972	4.44697	0.000642	4.24E-05	4.997161
2015	0.001075	0.004665	0.024495	4.430521	0.000431	4.23E-05	5.015713
2016	0.000693	0.00256	0.020953	4.427263	0.000194	4.22E-05	5.019404
2017	0.000647	0.002297	0.018772	4.418481	0.000156	4.22E-05	5.029381
2018	0.000652	0.002289	0.01689	4.409661	0.000152	4.21E-05	5.03944
2019	0.000645	0.002244	0.015371	4.402316	0.000148	4.2E-05	5.047848
2020	0.000642	0.002166	0.01244	4.391745	0.000138	4.19E-05	5.059998
2021	0.000657	0.002184	0.009185	4.376968	0.000131	4.18E-05	5.077082
2022	0.000686	0.002281	0.006767	4.365635	0.000127	4.17E-05	5.090261
2023	0.000635	0.002112	0.005807	4.355492	0.000124	4.16E-05	5.102115
2024	0.000637	0.00212	0.005851	4.355357	0.000125	4.16E-05	5.102274
2025	0.00064	0.002129	0.005889	4.355296	0.000125	4.16E-05	5.102345
2026	0.000641	0.002133	0.005908	4.355253	0.000126	4.16E-05	5.102396
2027	0.00064	0.002131	0.005901	4.355177	0.000126	4.16E-05	5.102485
2028	0.000639	0.002126	0.005884	4.355068	0.000125	4.15E-05	5.102612
2029	0.000637	0.002121	0.00587	4.354965	0.000125	4.15E-05	5.102733
2030	0.000636	0.002118	0.005865	4.354905	0.000125	4.15E-05	5.102804
2031	0.000636	0.002117	0.005864	4.354886	0.000125	4.15E-05	5.102825
2032	0.000636	0.002116	0.00586	4.354864	0.000125	4.15E-05	5.102851
2033	0.000635	0.002115	0.005854	4.354837	0.000125	4.15E-05	5.102883
2034	0.000634	0.002112	0.005848	4.354806	0.000125	4.15E-05	5.102919
2035	0.000634	0.002111	0.005845	4.35479	0.000125	4.15E-05	5.102938
2013			25 yr DPM Factor		0.0002		
2013			70 yr DPM Factor		0.000151		

Winter	25 mph	Truck Running Emissions (lb/VMT)					
2012	0.002198	0.010397	0.031948	4.426313	0.001185	4.22E-05	5.020482
2013	0.001943	0.009071	0.029848	4.430067	0.001009	4.23E-05	5.016227
2014	0.001321	0.00624	0.027731	4.44697	0.000642	4.24E-05	4.997161
2015	0.001075	0.004665	0.024284	4.430521	0.000431	4.23E-05	5.015713
2016	0.000693	0.00256	0.020772	4.427263	0.000194	4.22E-05	5.019404
2017	0.000647	0.002297	0.018611	4.418481	0.000156	4.22E-05	5.029381
2018	0.000652	0.002289	0.016745	4.409661	0.000152	4.21E-05	5.03944
2019	0.000645	0.002244	0.015239	4.402316	0.000148	4.2E-05	5.047848
2020	0.000642	0.002166	0.012332	4.391745	0.000138	4.19E-05	5.059998
2021	0.000657	0.002184	0.009106	4.376968	0.000131	4.18E-05	5.077082
2022	0.000686	0.002281	0.006709	4.365635	0.000127	4.17E-05	5.090261
2023	0.000635	0.002112	0.005757	4.355492	0.000124	4.16E-05	5.102115
2024	0.000637	0.00212	0.0058	4.355357	0.000125	4.16E-05	5.102274
2025	0.00064	0.002129	0.005838	4.355296	0.000125	4.16E-05	5.102345
2026	0.000641	0.002133	0.005857	4.355253	0.000126	4.16E-05	5.102396
2027	0.00064	0.002131	0.005851	4.355177	0.000126	4.16E-05	5.102485
2028	0.000639	0.002126	0.005833	4.355068	0.000125	4.15E-05	5.102612
2029	0.000637	0.002121	0.00582	4.354965	0.000125	4.15E-05	5.102733
2030	0.000636	0.002118	0.005814	4.354905	0.000125	4.15E-05	5.102804
2031	0.000636	0.002117	0.005814	4.354886	0.000125	4.15E-05	5.102825
2032	0.000636	0.002116	0.00581	4.354864	0.000125	4.15E-05	5.102851
2033	0.000635	0.002115	0.005803	4.354837	0.000125	4.15E-05	5.102883
2034	0.000634	0.002112	0.005797	4.354806	0.000125	4.15E-05	5.102919
2035	0.000634	0.002111	0.005794	4.35479	0.000125	4.15E-05	5.102938

Annual	15 mph	Truck Running Emissions (lb/VMT)					
2012	0.006567	0.017992	0.045417	6.013507	0.002119	5.74E-05	3.695385
2013	0.005758	0.015768	0.04251	6.018607	0.001789	5.74E-05	3.692253
2014	0.003888	0.010741	0.03956	6.041571	0.001158	5.76E-05	3.678219
2015	0.003143	0.00839	0.034828	6.019224	0.000781	5.74E-05	3.691875
2016	0.001929	0.00484	0.029972	6.014798	0.000302	5.74E-05	3.694592
2017	0.001774	0.004401	0.02691	6.002866	0.000228	5.73E-05	3.701935
2018	0.001777	0.004399	0.024268	5.990884	0.000215	5.72E-05	3.709339
2019	0.001751	0.004325	0.022148	5.980905	0.000203	5.71E-05	3.715528
2020	0.001724	0.004211	0.018138	5.966544	0.000173	5.69E-05	3.724472
2021	0.001749	0.004266	0.013554	5.946467	0.000152	5.67E-05	3.737046
2022	0.001826	0.004456	0.009986	5.931071	0.000148	5.66E-05	3.746747
2023	0.00169	0.004127	0.008569	5.917291	0.000145	5.65E-05	3.755472
2024	0.001696	0.004142	0.008634	5.917107	0.000145	5.65E-05	3.755589
2025	0.001703	0.004159	0.00869	5.917024	0.000146	5.65E-05	3.755642
2026	0.001706	0.004167	0.008718	5.916966	0.000147	5.65E-05	3.755679
2027	0.001705	0.004164	0.008709	5.916862	0.000147	5.64E-05	3.755744
2028	0.0017	0.004154	0.008683	5.916715	0.000146	5.64E-05	3.755838
2029	0.001696	0.004143	0.008663	5.916575	0.000146	5.64E-05	3.755927
2030	0.001694	0.004138	0.008655	5.916493	0.000146	5.64E-05	3.755979
2031	0.001693	0.004137	0.008654	5.916468	0.000146	5.64E-05	3.755994
2032	0.001692	0.004135	0.008648	5.916438	0.000146	5.64E-05	3.756014
2033	0.001691	0.004131	0.008638	5.916401	0.000145	5.64E-05	3.756037
2034	0.001689	0.004127	0.008629	5.916359	0.000145	5.64E-05	3.756064
2035	0.001688	0.004125	0.008625	5.916337	0.000145	5.64E-05	3.756078
2013			25 yr DPM Factor		0.000293		
2013			70 yr DPM Factor		0.000198		

Winter	15 mph	Truck Running Emissions (lb/VMT)					
2012	0.006567	0.017992	0.045026	6.013507	0.002119	5.74E-05	3.695385
2013	0.005758	0.015768	0.042143	6.018607	0.001789	5.74E-05	3.692253
2014	0.003888	0.010741	0.039219	6.041571	0.001158	5.76E-05	3.678219
2015	0.003143	0.00839	0.034528	6.019224	0.000781	5.74E-05	3.691875
2016	0.001929	0.00484	0.029713	6.014798	0.000302	5.74E-05	3.694592
2017	0.001774	0.004401	0.026678	6.002866	0.000228	5.73E-05	3.701935
2018	0.001777	0.004399	0.024059	5.990884	0.000215	5.72E-05	3.709339
2019	0.001751	0.004325	0.021957	5.980905	0.000203	5.71E-05	3.715528
2020	0.001724	0.004211	0.017981	5.966544	0.000173	5.69E-05	3.724472
2021	0.001749	0.004266	0.013437	5.946467	0.000152	5.67E-05	3.737046
2022	0.001826	0.004456	0.0099	5.931071	0.000148	5.66E-05	3.746747
2023	0.00169	0.004127	0.008496	5.917291	0.000145	5.65E-05	3.755472
2024	0.001696	0.004142	0.008559	5.917107	0.000145	5.65E-05	3.755589
2025	0.001703	0.004159	0.008615	5.917024	0.000146	5.65E-05	3.755642
2026	0.001706	0.004167	0.008642	5.916966	0.000147	5.65E-05	3.755679
2027	0.001705	0.004164	0.008634	5.916862	0.000147	5.64E-05	3.755744
2028	0.0017	0.004154	0.008608	5.916715	0.000146	5.64E-05	3.755838
2029	0.001696	0.004143	0.008588	5.916575	0.000146	5.64E-05	3.755927
2030	0.001694	0.004138	0.00858	5.916493	0.000146	5.64E-05	3.755979
2031	0.001693	0.004137	0.008579	5.916468	0.000146	5.64E-05	3.755994
2032	0.001692	0.004135	0.008574	5.916438	0.000146	5.64E-05	3.756014
2033	0.001691	0.004131	0.008564	5.916401	0.000145	5.64E-05	3.756037
2034	0.001689	0.004127	0.008555	5.916359	0.000145	5.64E-05	3.756064
2035	0.001688	0.004125	0.008551	5.916337	0.000145	5.64E-05	3.756078

SESPE CONSULTING, INC.

5920 Friars Road, Suite 103 • San Diego, California 92108

MEMORANDUM

Date: August 28, 2012

To: File

From: Scott Cohen

Re: Using EMFAC2011-HD to Obtain Emissions Factors

Figure 1 is a screenshot of a typical EMFAC2011-HD run for a CEQA project located in the Mojave Desert Air Basin portion of Kern County.

Figure 1. Typical EMFAC2011-HD Model Input

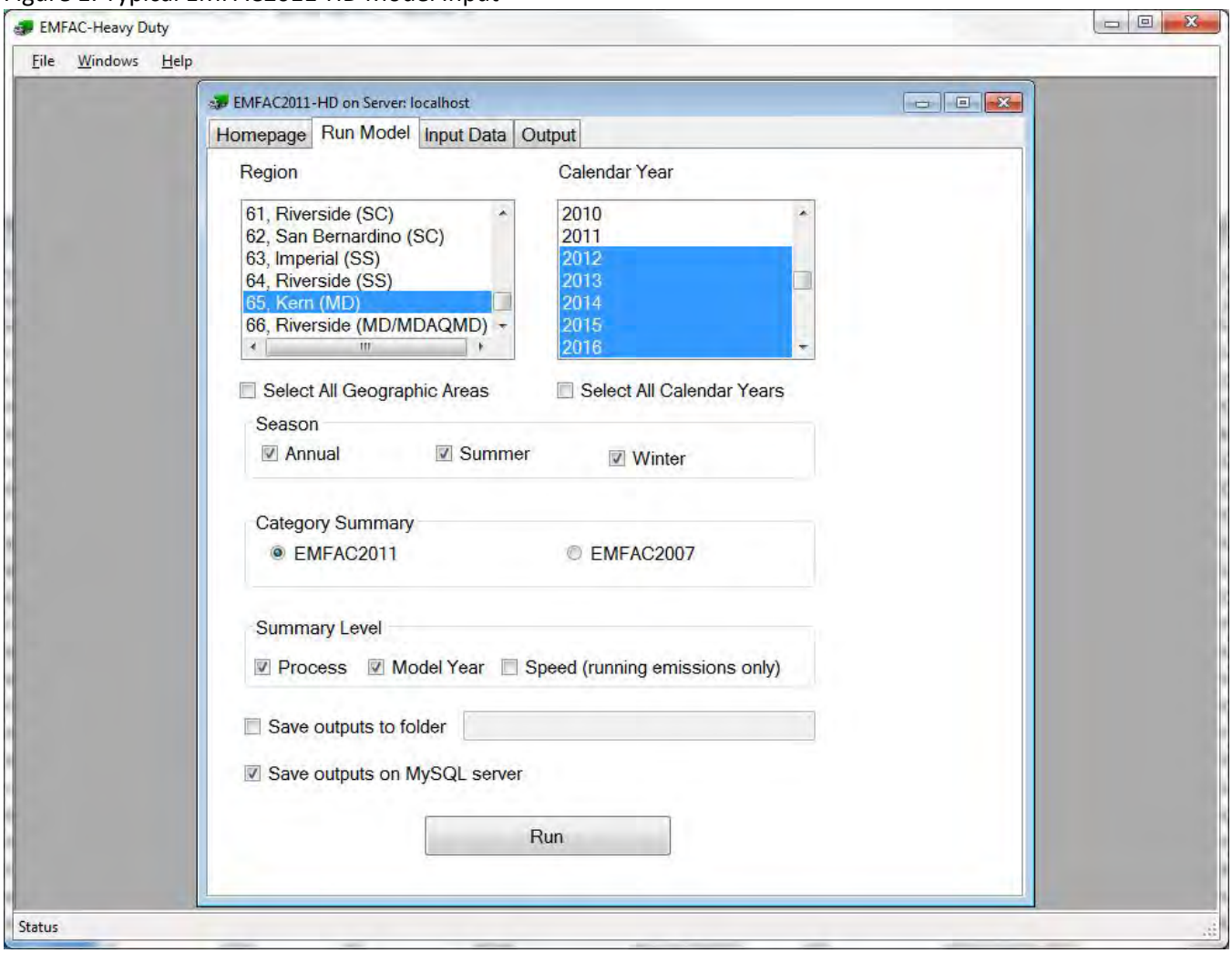
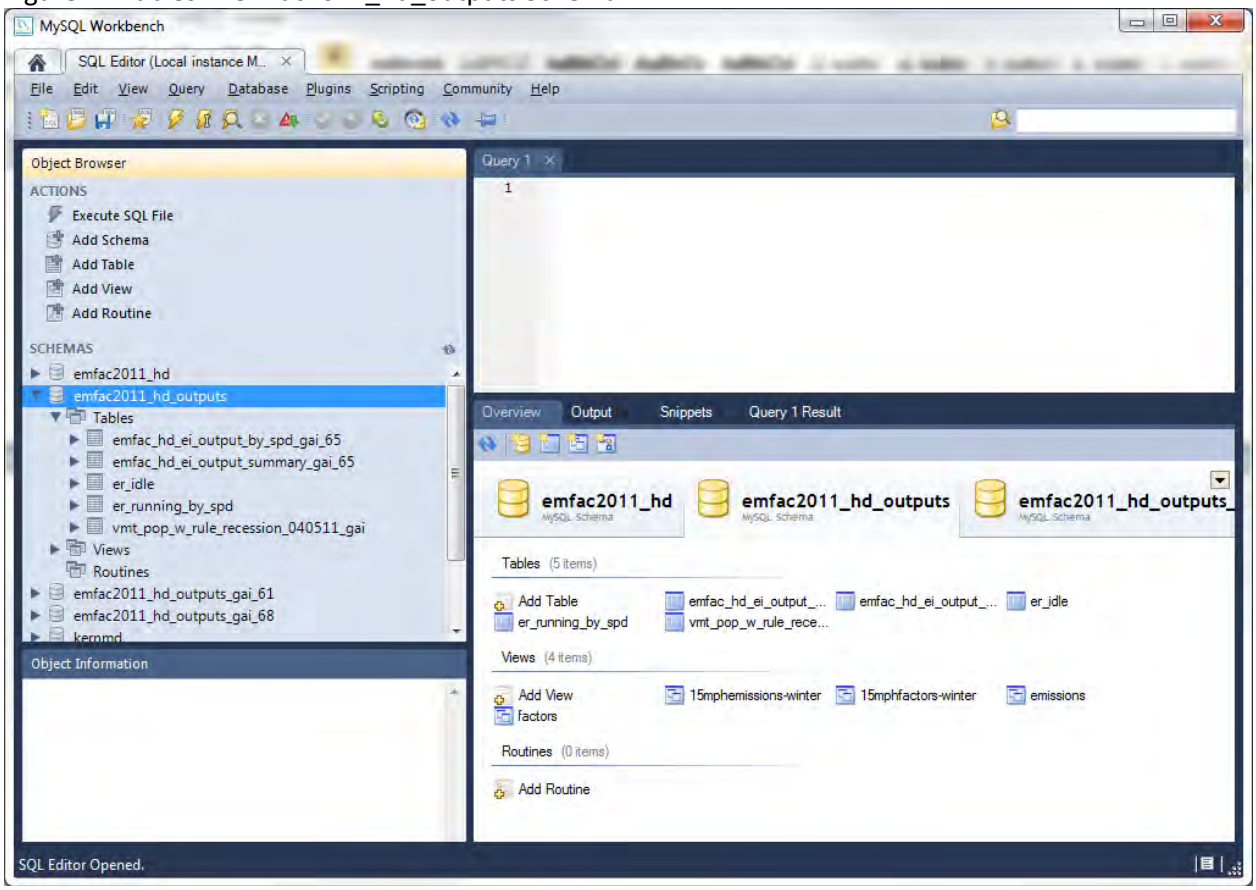


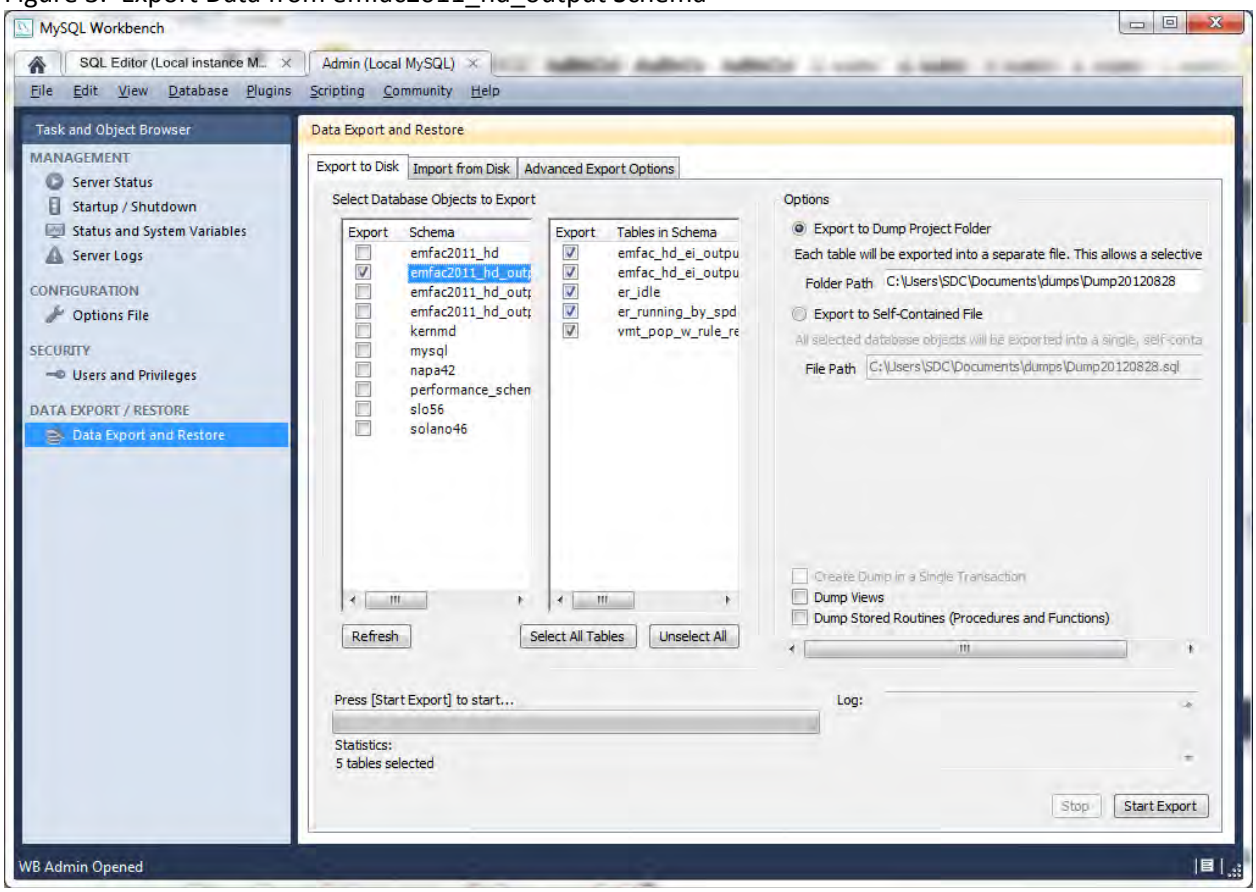
Figure 2 shows the tables that are generated by EMFFAC2011-HD in the emfac2011_hd_outputs schema. MySQL Workbench and MySQL server must be installed in order to perform the remaining tasks.

Figure 2. Tables in emfac2011_hd_outputs Schema



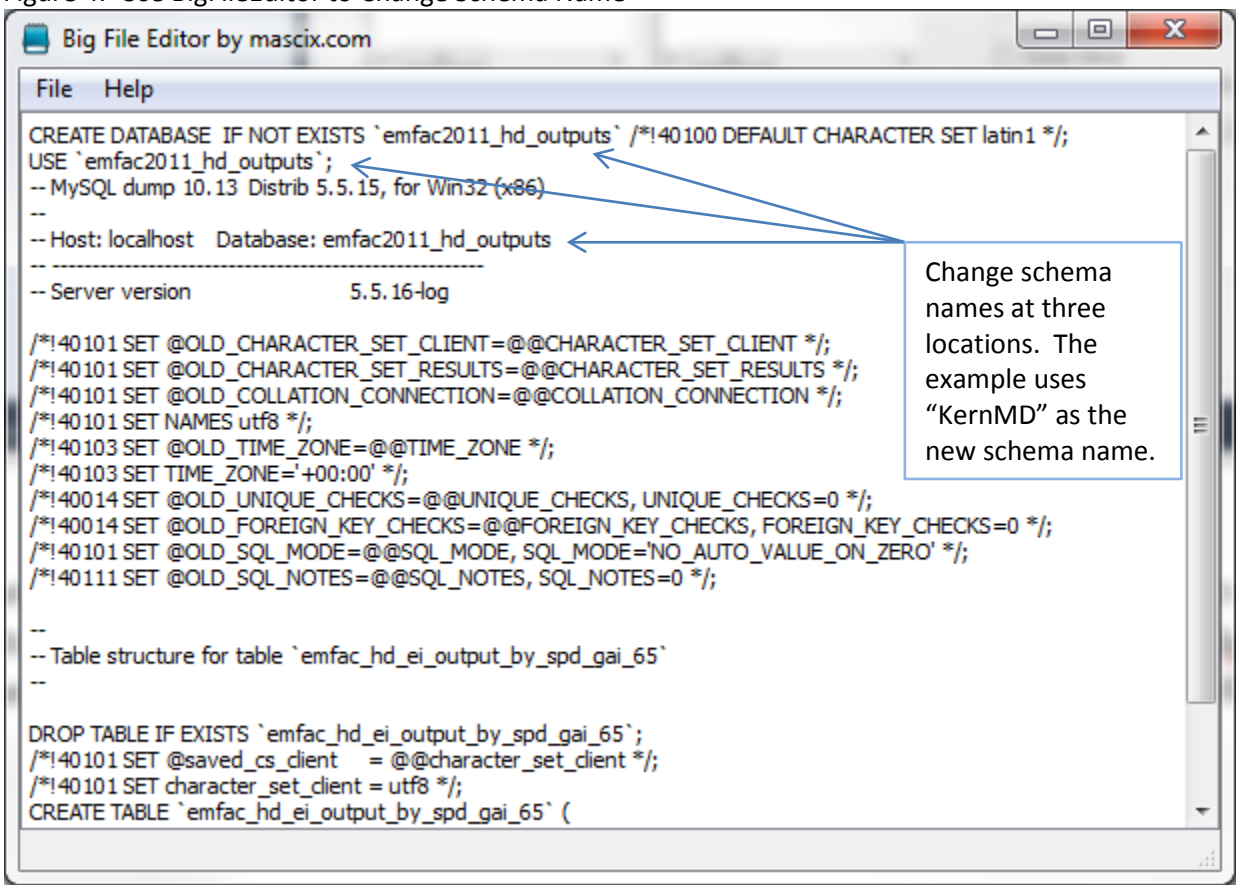
The contents of the emfac2011_hd_outputs schema must be moved in order to prevent them from being overwritten by a later run of the model. This is accomplished by exporting the data as shown in Figure 3.

Figure 3. Export Data from emfac2011_hd_output Schema



The dumped tables have references to the emfac2011_hd_outputs schema that must be manually changed in order to reload them with a different schema name. Each file is opened using BigFileEditor (http://mascix.com) and the schema name is changed manually in three places near the top of each file as shown in Figure 4.

Figure 4. Use BigFileEditor to Change Schema Name

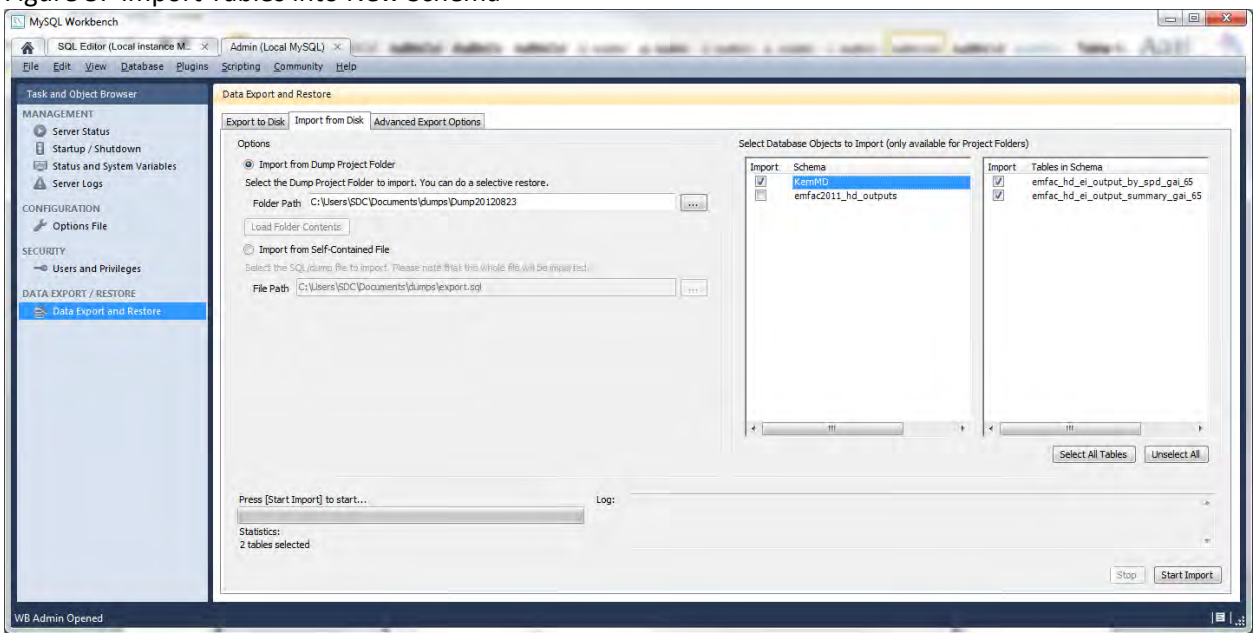


Once the files are edited to reference a new schema name, then import them using MySQL Workbench. Ensure that the file extension remains sql and has not been changed to txt by BigFileEditor when you save it. In the example case, two tables were needed to perform the calculations described later. Idling emissions factors are the same in all geographic regions and emissions estimates are discussed later in this document. Figure 5 shows the import screen.

Once the import is complete then, the tables will be available to query without having to worry about overwriting them. It may be easier to rename the tables with a more common name. For this example, the two tables are renamed as follows:

emfac_hd_ei_output_summary_gai_65 → summary
emfac_hd_ei_output_by_spd_gai_65 → byspeed

Figure 5. Import Tables into New Schema



Typically, there are a few factors that are used in evaluation of running emissions for heavy-heavy duty trucks:

- Average emissions factors that incorporate all speeds and idling for each calendar year. This type of factor would be used to estimate emissions from off-site truck travel. If daily emissions are required, then seasonal emissions may be more appropriate to use. For annual emissions, the annual emissions should be used.
- Emissions factors at a specific speed. This type of factor would be used to estimate emissions from on-site truck travel or for a road with a known speed limit. On-site travel is typically assumed to occur at a speed of 15 mph. Seasonal or annual emissions should be selected as appropriate.

1. <u>Average Emissions Factors (all speeds)</u>

The above emissions factors can be derived from EMFAC2011-HD by running queries on the table data. MySQL Workbench allows queries to be saved as views. The views can be used with each other. The first view created is named "emissions" and it returns results (Attachment 1) from the following query:

```
select
    `kernmd`.`summary`.`CalYr` AS `CalYr`,
    (sum(`kernmd`.`summary`.`vmt`)/3) AS `Total_VMT`,
    sum(`kernmd`.`summary`.`ROG`) AS `Total_ROG`,
    sum(`kernmd`.`summary`.`NOx`) AS `Total_NOx`,
    sum(`kernmd`.`summary`.`CO`) AS `Total_CO`,
    sum(`kernmd`.`summary`.`SOx`) AS `Total_SOx`,
    sum(`kernmd`.`summary`.`PM10`) AS `Total_PM10`,
    sum(`kernmd`.`summary`.`PM2_5`) AS `Total_PM2_5`,
    sum(`kernmd`.`summary`.`CO2`) AS `Total_CO2`,
    sum(`kernmd`.`summary`.`Fuel_DSL`) AS `Total_Fuel_DSL`
from
    `kernmd`.`summary`
where
    (`kernmd`.`summary`.`Veh` = 'T7 tractor construction')
group by `kernmd`.`summary`.`CalYr`
```

The “emissions” view calculates total emissions of each pollutant, total fuel use, and total vehicle miles traveled (VMT) for a region. VMT is divided by three (3) because the model results contain VMT in triplicate (i.e. the same VMT appears in rows for running emissions, brake wear, and tire wear). The “emissions” view example above limits the vehicle type to “T7 tractor construction” and could be modified to select a season, model year range, other vehicle types, etc. by changing the WHERE clause.

The “factors” view calculates emissions factors and miles per gallon operating on results of the “emissions” view in the following query:

```
select
    `emissions`.`CalYr` AS `CalYr`,
    ((`emissions`.`Total_ROG`*2000)/`emissions`.`Total_VMT`) AS `ROG_EF`,
    ((`emissions`.`Total_CO`*2000)/`emissions`.`Total_VMT`) AS `CO_EF`,
    ((`emissions`.`Total_NOx`*2000)/`emissions`.`Total_VMT`) AS `NOx_EF`,
    ((`emissions`.`Total_CO2`*2000)/`emissions`.`Total_VMT`) AS `CO2_EF`,
    ((`emissions`.`Total_PM10`*2000)/`emissions`.`Total_VMT`) AS `PM10_EF`,
    ((`emissions`.`Total_SOx`*2000)/`emissions`.`Total_VMT`) AS `SOx_EF`,
    ((`emissions`.`Total_VMT`/`emissions`.`Total_Fuel_DSL`)/1000) AS `MPG`
from
    `kernmd`.`emissions`
```

Total emissions of each pollutant is converted from tons to pounds and then divided by Total VMT to determine the annual average emissions factor in units of pounds per VMT for each pollutant by calendar year for “T7 tractor construction” type vehicles.

2. <u>Emissions Factors by Speed</u>

The following query is assigned to a view named “emissionsbyspeed-15a” and returns annual average emissions from “T7 tractor construction” type vehicles while running at 15 mph by calendar year (Attachment 3).

```
select
    `kernmd`.`byspeed`.`CalYr` AS `CalYr`,
    sum(`kernmd`.`byspeed`.`vmt`) AS `Total_VMT`,
    sum(`kernmd`.`byspeed`.`ROG`) AS `Total_ROG`,
    sum(`kernmd`.`byspeed`.`NOx`) AS `Total_NOx`,
    sum(`kernmd`.`byspeed`.`CO`) AS `Total_CO`,
    sum(`kernmd`.`byspeed`.`SOx`) AS `Total_SOx`,
    sum(`kernmd`.`byspeed`.`PM10`) AS `Total_PM10`,
    sum(`kernmd`.`byspeed`.`PM2_5`) AS `Total_PM2_5`,
    sum(`kernmd`.`byspeed`.`CO2`) AS `Total_CO2`,
    sum(`kernmd`.`byspeed`.`Fuel_DSL`) AS `Total_Fuel_DSL`
from
    `kernmd`.`byspeed`
where
    ((`kernmd`.`byspeed`.`Veh` = 'T7 tractor construction') and
(`kernmd`.`byspeed`.`Season` = 'a') and (`kernmd`.`byspeed`.`Speed_bin` = 15))
group by `kernmd`.`byspeed`.`CalYr`
```

A second view named “factorsbyspeed-15a” contains the following query which produces emissions factors in units of lb/VMT and miles per gallon (Attachment 4).

```
select
    `emissionsbyspeed-15a`.`CalYr` AS `CalYr`,
    ((`emissionsbyspeed-15a`.`Total_ROG`*2000)/`emissionsbyspeed-
15a`.`Total_VMT`) AS `ROG_EF`,
    ((`emissionsbyspeed-15a`.`Total_CO`*2000)/`emissionsbyspeed-15a`.`Total_VMT`)
AS `CO_EF`,
    ((`emissionsbyspeed-15a`.`Total_NOx`*2000)/`emissionsbyspeed-
15a`.`Total_VMT`) AS `NOx_EF`,
    ((`emissionsbyspeed-15a`.`Total_CO2`*2000)/`emissionsbyspeed-
15a`.`Total_VMT`) AS `CO2_EF`,
    ((`emissionsbyspeed-15a`.`Total_PM10`*2000)/`emissionsbyspeed-
15a`.`Total_VMT`) AS `PM10_EF`,
    ((`emissionsbyspeed-15a`.`Total_SOx`*2000)/`emissionsbyspeed-
15a`.`Total_VMT`) AS `SOx_EF`,
    ((`emissionsbyspeed-15a`.`Total_VMT`/`emissionsbyspeed-
15a`.`Total_Fuel_DSL`)/1000) AS `MPG`
from
    `kernmd`.`emissionsbyspeed-15a`
```

CalYr	Total_VMT	Total_ROG	Total_NOx	Total_CO	Total_SOx	Total_PM10	Total_PM2_5	Total_CO2	Total_Fuel_DSL
2012	9423.37093	0.008066629	0.138404642	0.03677079	0.000174925	0.006203732	0.005141723	18.33507956	1.650157161
2013	10475.84077	0.008003753	0.143422764	0.036805418	0.000194956	0.006075046	0.004960149	20.43461003	1.839114903
2014	11589.70234	0.006195982	0.147231846	0.028901341	0.000216881	0.004586902	0.003524188	22.73272979	2.045945681
2015	12766.41984	0.005681756	0.141788012	0.026353218	0.000238502	0.004010251	0.002923028	24.99897757	2.249907981
2016	14007.4274	0.00422522	0.131916566	0.020085444	0.000262448	0.00302484	0.001941948	27.50887714	2.475798942
2017	15314.18296	0.004404384	0.128956698	0.021147266	0.000286674	0.003062225	0.001897895	30.04821834	2.70433965
2018	15998.50698	0.004682058	0.120881057	0.022592429	0.000299207	0.003181871	0.001966887	31.36192954	2.822573659
2019	16697.5566	0.004888696	0.114345646	0.023695833	0.000312054	0.003302714	0.002036096	32.70843235	2.943758911
2020	17411.33182	0.005216121	0.093901691	0.0254842	0.000325417	0.003420949	0.002102023	34.10909537	3.069818584
2021	17627.24226	0.00553968	0.069014128	0.027324799	0.000329333	0.003431911	0.002099146	34.51962574	3.106766317
2022	17839.49143	0.005950424	0.053312733	0.029454545	0.000333354	0.003430608	0.002085206	34.94108389	3.14469755
2023	18048.07933	0.005701599	0.047464196	0.028365944	0.000336715	0.00343484	0.002076577	35.29334805	3.176401324
2024	18253.00596	0.005775508	0.048272443	0.028727547	0.000340471	0.003482696	0.002108302	35.68703866	3.211833479
2025	18454.27132	0.005852855	0.049057263	0.029107189	0.000344195	0.003529405	0.002139191	36.07735709	3.246962138
2026	18651.87542	0.005923469	0.049711846	0.029456374	0.000347869	0.003571825	0.002166356	36.46243188	3.281618869
2027	18845.81824	0.005981157	0.050185593	0.029745962	0.00035148	0.003608307	0.002188276	36.84097064	3.315687358
2028	19036.0998	0.006028733	0.050560292	0.029987077	0.000355011	0.00364103	0.002206958	37.21104014	3.348993613
2029	19222.72009	0.006076414	0.050957488	0.030229708	0.000358485	0.003673006	0.002225172	37.57519933	3.38176794
2030	19405.67911	0.006129296	0.051407917	0.030496523	0.000361901	0.003706191	0.002244719	37.93328549	3.413995694
2031	19792.94666	0.006250966	0.052432792	0.03110322	0.000369128	0.00377984	0.002289228	38.6907817	3.482170353
2032	20182.87843	0.006371999	0.053437936	0.031707122	0.000376403	0.003853461	0.00233355	39.45333838	3.550800454
2033	20575.47442	0.006491467	0.054422627	0.03230313	0.000383721	0.003926931	0.002377575	40.22031705	3.619828535
2034	20970.73462	0.00661045	0.05541877	0.032896827	0.000391084	0.004000534	0.002421561	40.992154	3.68929386
2035	21368.65904	0.006732975	0.056444688	0.033507392	0.000398501	0.004075538	0.002466675	41.76954839	3.759259355

Emissions are in units of tons per day and diesel fuel is in units of 1,000 gallons per day.

CalYr	ROG_EF	CO_EF	NOx_EF	CO2_EF	PM10_EF	SOx_EF	MPG
2012	0.001712047	0.007804169	0.029374763	3.891405676	0.001316669	3.71258E-05	5.71058997
2013	0.00152804	0.007026723	0.027381624	3.901283054	0.00115982	3.72201E-05	5.696131738
2014	0.001069222	0.004987417	0.025407356	3.922918662	0.000791548	3.74265E-05	5.664716539
2015	0.000890109	0.004128521	0.022212651	3.916364632	0.00062825	3.73639E-05	5.674196433
2016	0.000603283	0.002867828	0.018835231	3.927755804	0.000431891	3.74726E-05	5.65774028
2017	0.000575203	0.002761788	0.016841473	3.924233949	0.00039992	3.7439E-05	5.662817893
2018	0.000585312	0.002824317	0.015111542	3.920607039	0.000397771	3.74044E-05	5.668056503
2019	0.000585558	0.00283824	0.013696093	3.917750738	0.000395592	3.73772E-05	5.672188893
2020	0.000599164	0.002927312	0.010786273	3.91803404	0.000392957	3.73799E-05	5.671778754
2021	0.000628536	0.003100292	0.007830394	3.916622378	0.000389387	3.73664E-05	5.673823024
2022	0.000667107	0.003302173	0.005976934	3.917273543	0.000384608	3.73726E-05	5.672879869
2023	0.000631823	0.003143375	0.00525975	3.911036449	0.000380632	3.73131E-05	5.681926648
2024	0.000632828	0.003147706	0.00528926	3.910264286	0.000381602	3.73057E-05	5.683048664
2025	0.000634309	0.003154521	0.00531663	3.909919438	0.000382503	3.73025E-05	5.683549897
2026	0.000635161	0.003158543	0.005330493	3.9097872	0.000382999	3.73012E-05	5.683742129
2027	0.000634746	0.003156771	0.005325913	3.909723649	0.000382929	3.73006E-05	5.683834515
2028	0.0006334	0.003150548	0.005312043	3.90952354	0.00038254	3.72987E-05	5.684125443
2029	0.000632212	0.003145206	0.005301798	3.909457054	0.000382153	3.7298E-05	5.684222109
2030	0.000631701	0.003143051	0.005298234	3.90950353	0.00038197	3.72985E-05	5.684154536
2031	0.000631636	0.003142859	0.005298129	3.909552465	0.000381938	3.7299E-05	5.684083389
2032	0.000631426	0.003141982	0.005295373	3.909584901	0.000381854	3.72993E-05	5.68403623
2033	0.000630991	0.003139964	0.005290048	3.909539702	0.00038171	3.72988E-05	5.684101945
2034	0.000630445	0.003137403	0.005285344	3.909462853	0.000381535	3.72981E-05	5.684213678
2035	0.000630173	0.003136125	0.005282942	3.909421579	0.00038145	3.72977E-05	5.684273689

Emissions factors are in units of lb/VMT.

CalYr	Total_VMT	Total_ROG	Total_NOx	Total_CO	Total_SOx	Total_PM10	Total_PM2_5	Total_CO2	Total_Fuel_DSL
2012	50.2489574	0.000164982	0.001139853	0.000452039	1.44143E-06	5.32299E-05	4.89715E-05	0.151086217	0.01359776
2013	55.86112234	0.000160837	0.001186039	0.000440398	1.60378E-06	4.99655E-05	4.59683E-05	0.168103083	0.015129277
2014	61.80065109	0.000120127	0.001221099	0.000331898	1.78108E-06	3.57761E-05	3.2914E-05	0.18668651	0.016801786
2015	68.07535133	0.000106969	0.00118418	0.000285592	1.95465E-06	2.65761E-05	2.445E-05	0.204880381	0.018439234
2016	74.69287031	7.20502E-05	0.00111812	0.000180755	2.14309E-06	1.12696E-05	1.0368E-05	0.224631262	0.020216814
2017	81.66098236	7.24454E-05	0.001097568	0.00017969	2.33837E-06	9.32409E-06	8.57816E-06	0.24509998	0.022058998
2018	85.31005537	7.58146E-05	0.001034046	0.000187646	2.43798E-06	9.1875E-06	8.4525E-06	0.255541327	0.022998719
2019	89.03765081	7.79441E-05	0.000984933	0.000192538	2.54027E-06	9.05451E-06	8.33015E-06	0.266262878	0.023963659
2020	92.84376869	8.0047E-05	0.000841077	0.000195474	2.6425E-06	8.0104E-06	7.36956E-06	0.276978197	0.024928038
2021	93.99508434	8.22172E-05	0.00063633	0.000200487	2.66627E-06	7.15981E-06	6.58703E-06	0.279469351	0.025152242
2022	95.12687672	8.68622E-05	0.000474441	0.000211921	2.69139E-06	7.03975E-06	6.47657E-06	0.282102118	0.025389191
2023	96.23914585	8.13249E-05	0.000411912	0.000198577	2.71653E-06	6.95449E-06	6.39813E-06	0.28473751	0.025626376
2024	97.33189171	8.25472E-05	0.000419707	0.000201597	2.74729E-06	7.07584E-06	6.50977E-06	0.28796161	0.025916545
2025	98.40511432	8.37754E-05	0.000427094	0.000204616	2.77754E-06	7.19339E-06	6.61792E-06	0.291132728	0.026201946
2026	99.45881366	8.48433E-05	0.000433051	0.000207238	2.80726E-06	7.2924E-06	6.70901E-06	0.294247197	0.026482248
2027	100.4929897	8.565E-05	0.000437108	0.000209224	2.8364E-06	7.36511E-06	6.7759E-06	0.297301597	0.026757144
2028	101.5076426	8.62893E-05	0.000440216	0.000210807	2.86496E-06	7.42199E-06	6.82823E-06	0.300295886	0.02702663
2029	102.5027721	8.69112E-05	0.000443503	0.000212346	2.89298E-06	7.47712E-06	6.87895E-06	0.303232652	0.027290939
2030	103.4783784	8.76237E-05	0.000447313	0.000214099	2.92048E-06	7.53981E-06	6.93663E-06	0.306114541	0.027550309
2031	105.5434346	8.93468E-05	0.000456193	0.000218313	2.97875E-06	7.68875E-06	7.07365E-06	0.312222193	0.028099997
2032	107.6226974	9.10555E-05	0.000464864	0.000222493	3.03741E-06	7.83619E-06	7.20929E-06	0.318371483	0.028653433
2033	109.7161669	9.27452E-05	0.000473354	0.000226627	3.09648E-06	7.98159E-06	7.34307E-06	0.32456241	0.029210617
2034	111.8238429	9.44277E-05	0.000481968	0.000230744	3.15594E-06	8.12627E-06	7.47617E-06	0.330794987	0.029771549
2035	113.9457256	9.61696E-05	0.000490865	0.000235004	3.21581E-06	8.2762E-06	7.6141E-06	0.337070632	0.030336357

Emissions are in units of tons per day and diesel fuel is in units of 1,000 gallons per day.

CalYr	ROG_EF	CO_EF	NOx_EF	CO2_EF	PM10_EF	SOx_EF	MPG
2012	0.006566571	0.017991961	0.045368222	6.013506551	0.002118648	5.73717E-05	3.695385053
2013	0.005758445	0.015767612	0.042463853	6.018607437	0.001788918	5.74203E-05	3.692253143
2014	0.003887554	0.010740936	0.039517338	6.041570973	0.001157791	5.76394E-05	3.678219179
2015	0.003142674	0.008390479	0.034790276	6.019223607	0.000780785	5.74262E-05	3.691875177
2016	0.001929238	0.004839952	0.029939149	6.014797955	0.000301759	5.7384E-05	3.694591637
2017	0.001774298	0.004400889	0.026881077	6.002866311	0.000228361	5.72702E-05	3.701935221
2018	0.00177739	0.004399158	0.024242074	5.990884096	0.000215391	5.71558E-05	3.709339367
2019	0.001750812	0.004324865	0.022123964	5.980905284	0.000203386	5.70606E-05	3.715528196
2020	0.001724338	0.004210818	0.018118119	5.966543593	0.000172556	5.69236E-05	3.72447161
2021	0.001749394	0.004265915	0.013539635	5.946467379	0.000152344	5.67321E-05	3.737046015
2022	0.001826238	0.004455549	0.009974917	5.931070757	0.000148008	5.65852E-05	3.74674711
2023	0.001690059	0.00412674	0.008560181	5.917290877	0.000144525	5.64537E-05	3.755472341
2024	0.001696201	0.004142473	0.008624242	5.917107026	0.000145396	5.6452E-05	3.755589027
2025	0.001702663	0.004158655	0.008680314	5.917024342	0.0001462	5.64512E-05	3.755641508
2026	0.001706099	0.004167306	0.008708153	5.91696575	0.000146642	5.64506E-05	3.755678698
2027	0.001704597	0.004163956	0.008699267	5.916862414	0.00014658	5.64496E-05	3.75574429
2028	0.001700154	0.004153513	0.008673551	5.916714817	0.000146235	5.64482E-05	3.755837979
2029	0.001695783	0.004143225	0.008653483	5.916574661	0.000145891	5.64469E-05	3.75592695
2030	0.001693565	0.004138039	0.008645542	5.916492812	0.000145727	5.64461E-05	3.75597891
2031	0.00169308	0.004136929	0.008644655	5.916468312	0.000145698	5.64459E-05	3.755994464
2032	0.001692125	0.004134681	0.00863877	5.916437532	0.000145623	5.64456E-05	3.756014004
2033	0.00169064	0.004131148	0.008628696	5.916400826	0.000145495	5.64452E-05	3.756037306
2034	0.001688866	0.004126923	0.008620122	5.916358772	0.000145341	5.64448E-05	3.756064005
2035	0.001687989	0.004124839	0.008615761	5.916336574	0.000145266	5.64446E-05	3.756078097

Emissions factors are in units of lb/VMT.

Appendix E: Non-Road Emissions

Unmitigated Off-Road (Non-Road) Emissions Calculations

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2012	TOTAL FLEET	31,222	2,720,610				1.01		9.60		12.96		0.47	0.43	731	0.019	0.042	744
2013	TOTAL FLEET	32,742	2,720,610				1.01		9.45		12.96		0.35	0.32	731	0.019	0.042	744
2014	TOTAL FLEET	32,742	2,720,610				0.99		9.23		12.96		0.34	0.32	731	0.019	0.042	744
2015	TOTAL FLEET	32,742	2,720,610				0.99		9.10		12.96		0.34	0.31	731	0.019	0.042	744
2016	TOTAL FLEET	32,742	2,720,610				0.98		8.84		12.96		0.33	0.30	731	0.019	0.042	744
2017	TOTAL FLEET	32,742	2,720,610				0.97		7.08		12.96		0.20	0.18	731	0.019	0.042	744
2018	TOTAL FLEET	32,742	2,720,610				0.93		6.52		12.96		0.17	0.16	731	0.019	0.042	744
2019	TOTAL FLEET	32,742	2,720,610				0.91		6.11		12.96		0.16	0.14	731	0.019	0.042	744
2020	TOTAL FLEET	32,742	2,720,610				0.89		5.82		12.96		0.14	0.13	731	0.019	0.042	744
2021	TOTAL FLEET	32,742	2,720,610				0.88		5.58		12.96		0.09	0.08	731	0.019	0.042	744
2022	TOTAL FLEET	32,742	2,720,610				0.86		5.16		12.96		0.08	0.07	731	0.019	0.042	744
2023	TOTAL FLEET	32,742	2,720,610				0.85		5.00		12.96		0.07	0.07	731	0.019	0.042	744
2024	TOTAL FLEET	32,742	2,720,610				0.85		4.90		12.96		0.07	0.06	731	0.019	0.042	744
2025	TOTAL FLEET	32,742	2,720,610				0.84		4.73		12.96		0.06	0.06	731	0.019	0.042	744
2026	TOTAL FLEET	32,742	2,720,610				0.84		4.63		12.96		0.06	0.05	731	0.019	0.042	744
2027	TOTAL FLEET	32,742	2,720,610				0.83		4.54		12.96		0.05	0.05	731	0.019	0.042	744
2028	TOTAL FLEET	32,742	2,720,610				0.83		4.45		12.96		0.05	0.05	731	0.019	0.042	744
2029	TOTAL FLEET	32,742	2,720,610				0.83		4.40		12.96		0.05	0.04	731	0.019	0.042	744
2013	988 Loader	11.0	1,103	510	0.3618	0.35	0.08	5.15	1.16	8.50	1.91	0.21	0.05	0.04	107.6	0.0028	0.0061	110
2014	988 Loader	11.0	1,103	510	0.3618	0.35	0.08	4.97	1.12	8.50	1.91	0.20	0.04	0.04	107.6	0.0028	0.0061	110
2015	988 Loader	11.0	1,103	510	0.3618	0.34	0.08	4.70	1.06	8.50	1.91	0.18	0.04	0.04	107.6	0.0028	0.0061	110
2016	988 Loader	11.0	1,103	510	0.3618	0.32	0.07	4.29	0.96	8.50	1.91	0.17	0.04	0.03	107.6	0.0028	0.0061	110
2017	988 Loader	11.0	1,103	510	0.3618	0.31	0.07	4.17	0.94	8.50	1.91	0.16	0.04	0.03	107.6	0.0028	0.0061	110
2018	988 Loader	11.0	1,103	510	0.3618	0.28	0.06	3.65	0.82	8.50	1.91	0.14	0.03	0.03	107.6	0.0028	0.0061	110
2019	988 Loader	11.0	1,103	510	0.3618	0.25	0.06	3.09	0.69	8.50	1.91	0.12	0.03	0.03	107.6	0.0028	0.0061	110
2020	988 Loader	11.0	1,103	510	0.3618	0.23	0.05	2.83	0.63	8.50	1.91	0.11	0.02	0.02	107.6	0.0028	0.0061	110
2021	988 Loader	11.0	1,103	510	0.3618	0.23	0.05	2.70	0.61	8.50	1.91	0.10	0.02	0.02	107.6	0.0028	0.0061	110
2022	988 Loader	11.0	1,103	510	0.3618	0.20	0.04	2.13	0.48	8.50	1.91	0.08	0.02	0.02	107.6	0.0028	0.0061	110
2023	988 Loader	11.0	1,103	510	0.3618	0.19	0.04	1.96	0.44	8.50	1.91	0.08	0.02	0.02	107.6	0.0028	0.0061	110
2024	988 Loader	11.0	1,103	510	0.3618	0.19	0.04	1.91	0.43	8.50	1.91	0.07	0.02	0.02	107.6	0.0028	0.0061	110
2025	988 Loader	11.0	1,103	510	0.3618	0.18	0.04	1.68	0.38	8.50	1.91	0.06	0.01	0.01	107.6	0.0028	0.0061	110
2026	988 Loader	11.0	1,103	510	0.3618	0.17	0.04	1.54	0.34	8.50	1.91	0.06	0.01	0.01	107.6	0.0028	0.0061	110
2027	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.30	0.29	8.50	1.91	0.05	0.01	0.01	107.6	0.0028	0.0061	110
2028	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.22	0.27	8.50	1.91	0.05	0.01	0.01	107.6	0.0028	0.0061	110
2029	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.18	0.27	8.50	1.91	0.04	0.01	0.01	107.6	0.0028	0.0061	110
2013	980 Loader	11.0	1,051	349	0.3618	0.36	0.05	5.51	0.81	8.50	1.24	0.21	0.03	0.03	70.1	0.0018	0.0040	71
2014	980 Loader	11.0	1,051	349	0.3618	0.35	0.05	5.24	0.77	8.50	1.24	0.20	0.03	0.03	70.1	0.0018	0.0040	71
2015	980 Loader	11.0	1,051	349	0.3618	0.35	0.05	5.07	0.74	8.50	1.24	0.19	0.03	0.03	70.1	0.0018	0.0040	71
2016	980 Loader	11.0	1,051	349	0.3618	0.33	0.05	4.68	0.68	8.50	1.24	0.18	0.03	0.02	70.1	0.0018	0.0040	71
2017	980 Loader	11.0	1,051	349	0.3618	0.31	0.05	4.31	0.63	8.50	1.24	0.16	0.02	0.02	70.1	0.0018	0.0040	71
2018	980 Loader	11.0	1,051	349	0.3618	0.28	0.04	3.77	0.55	8.50	1.24	0.14	0.02	0.02	70.1	0.0018	0.0040	71
2019	980 Loader	11.0	1,051	349	0.3618	0.26	0.04	3.33	0.49	8.50	1.24	0.12	0.02	0.02	70.1	0.0018	0.0040	71
2020	980 Loader	11.0	1,051	349	0.3618	0.24	0.04	3.05	0.45	8.50	1.24	0.11	0.02	0.02	70.1	0.0018	0.0040	71
2021	980 Loader	11.0	1,051	349	0.3618	0.22	0.03	2.63	0.39	8.50	1.24	0.10	0.01	0.01	70.1	0.0018	0.0040	71
2022	980 Loader	11.0	1,051	349	0.3618	0.20	0.03	2.19	0.32	8.50	1.24	0.08	0.01	0.01	70.1	0.0018	0.0040	71
2023	980 Loader	11.0	1,051	349	0.3618	0.18	0.03	1.88	0.28	8.50	1.24	0.07	0.01	0.01	70.1	0.0018	0.0040	71
2024	980 Loader	11.0	1,051	349	0.3618	0.17	0.03	1.71	0.25	8.50	1.24	0.06	0.01	0.01	70.1	0.0018	0.0040	71
2025	980 Loader	11.0	1,051	349	0.3618	0.16	0.02	1.44	0.21	8.50	1.24	0.05	0.01	0.01	70.1	0.0018	0.0040	71
2026	980 Loader	11.0	1,051	349	0.3618	0.16	0.02	1.32	0.19	8.50	1.24	0.05	0.01	0.01	70.1	0.0018	0.0040	71
2027	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.17	0.17	8.50	1.24	0.04	0.01	0.01	70.1	0.0018	0.0040	71
2028	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.11	0.16	8.50	1.24	0.04	0.01	0.01	70.1	0.0018	0.0040	71
2029	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.03	0.15	8.50	1.24	0.04	0.01	0.01	70.1	0.0018	0.0040	71
2013	Water Truck	11.0	1,103	189	0.3819	0.46	0.04	6.44	0.57	8.50	0.75	0.28	0.02	0.02	42.1	0.0011	0.0024	43
2014	Water Truck	11.0	1,103	189	0.3819	0.42	0.04	5.79	0.51	8.50	0.75	0.25	0.02	0.02	42.1	0.0011	0.0024	43
2015	Water Truck	11.0	1,103	189	0.3819	0.42	0.04	5.57	0.49	8.50	0.75	0.24	0.02	0.02	42.1	0.0011	0.0024	43
2016	Water Truck	11.0	1,103	189	0.3819	0.39	0.03	5.13	0.45	8.50	0.75	0.22	0.02	0.02	42.1	0.0011	0.0024	43
2017	Water Truck	11.0	1,103	189	0.3819	0.37	0.03	4.64	0.41	8.50	0.75	0.20	0.02	0.02	42.1	0.0011	0.0024	43

Unmitigated Off-Road (Non-Road) Emissions Calculations

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2018	Water Truck	11.0	1,103	189	0.3819	0.30	0.03	3.66	0.32	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2019	Water Truck	11.0	1,103	189	0.3819	0.27	0.02	3.17	0.28	8.50	0.75	0.13	0.01	0.01	42.1	0.0011	0.0024	43
2020	Water Truck	11.0	1,103	189	0.3819	0.24	0.02	2.66	0.23	8.50	0.75	0.10	0.01	0.01	42.1	0.0011	0.0024	43
2021	Water Truck	11.0	1,103	189	0.3819	0.22	0.02	2.23	0.20	8.50	0.75	0.09	0.01	0.01	42.1	0.0011	0.0024	43
2022	Water Truck	11.0	1,103	189	0.3819	0.19	0.02	1.72	0.15	8.50	0.75	0.07	0.01	0.01	42.1	0.0011	0.0024	43
2023	Water Truck	11.0	1,103	189	0.3819	0.18	0.02	1.55	0.14	8.50	0.75	0.06	0.01	0.01	42.1	0.0011	0.0024	43
2024	Water Truck	11.0	1,103	189	0.3819	0.18	0.02	1.44	0.13	8.50	0.75	0.06	0.01	0.00	42.1	0.0011	0.0024	43
2025	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.20	0.11	8.50	0.75	0.05	0.00	0.00	42.1	0.0011	0.0024	43
2026	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.12	0.10	8.50	0.75	0.04	0.00	0.00	42.1	0.0011	0.0024	43
2027	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.07	0.09	8.50	0.75	0.04	0.00	0.00	42.1	0.0011	0.0024	43
2028	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.02	0.09	8.50	0.75	0.04	0.00	0.00	42.1	0.0011	0.0024	43
2029	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.02	0.09	8.50	0.75	0.04	0.00	0.00	42.1	0.0011	0.0024	43
2013	Street Sweeper	2.0	520	189	0.4556	0.41	0.02	6.69	0.33	8.50	0.42	0.26	0.01	0.01	23.7	0.0006	0.0014	24
2014	Street Sweeper	2.0	520	189	0.4556	0.42	0.02	6.73	0.33	8.50	0.42	0.27	0.01	0.01	23.7	0.0006	0.0014	24
2015	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	6.77	0.33	8.50	0.42	0.27	0.01	0.01	23.7	0.0006	0.0014	24
2016	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	6.81	0.34	8.50	0.42	0.27	0.01	0.01	23.7	0.0006	0.0014	24
2017	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	6.54	0.32	8.50	0.42	0.27	0.01	0.01	23.7	0.0006	0.0014	24
2018	Street Sweeper	2.0	520	189	0.4556	0.29	0.01	4.32	0.21	8.50	0.42	0.17	0.01	0.01	23.7	0.0006	0.0014	24
2019	Street Sweeper	2.0	520	189	0.4556	0.19	0.01	2.88	0.14	8.50	0.42	0.10	0.00	0.00	23.7	0.0006	0.0014	24
2020	Street Sweeper	2.0	520	189	0.4556	0.17	0.01	2.50	0.12	8.50	0.42	0.08	0.00	0.00	23.7	0.0006	0.0014	24
2021	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.77	0.09	8.50	0.42	0.06	0.00	0.00	23.7	0.0006	0.0014	24
2022	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.61	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2023	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.62	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2024	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.62	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2025	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.62	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2026	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.42	0.07	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2027	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.43	0.07	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2028	Street Sweeper	2.0	520	189	0.4556	0.12	0.01	1.06	0.05	8.50	0.42	0.04	0.00	0.00	23.7	0.0006	0.0014	24
2029	Street Sweeper	2.0	520	189	0.4556	0.11	0.01	0.68	0.03	8.50	0.42	0.03	0.00	0.00	23.7	0.0006	0.0014	24
2013	Caterpillar 345	11.0	552	380	0.3819	0.46	0.04	5.30	0.47	8.50	0.75	0.21	0.02	0.02	42.3	0.0011	0.0024	43
2014	Caterpillar 345	11.0	552	380	0.3819	0.42	0.04	4.90	0.43	8.50	0.75	0.19	0.02	0.02	42.3	0.0011	0.0024	43
2015	Caterpillar 345	11.0	552	380	0.3819	0.42	0.04	4.74	0.42	8.50	0.75	0.18	0.02	0.01	42.3	0.0011	0.0024	43
2016	Caterpillar 345	11.0	552	380	0.3819	0.39	0.03	4.24	0.37	8.50	0.75	0.16	0.01	0.01	42.3	0.0011	0.0024	43
2017	Caterpillar 345	11.0	552	380	0.3819	0.37	0.03	3.85	0.34	8.50	0.75	0.14	0.01	0.01	42.3	0.0011	0.0024	43
2018	Caterpillar 345	11.0	552	380	0.3819	0.30	0.03	3.24	0.29	8.50	0.75	0.12	0.01	0.01	42.3	0.0011	0.0024	43
2019	Caterpillar 345	11.0	552	380	0.3819	0.27	0.02	2.80	0.25	8.50	0.75	0.10	0.01	0.01	42.3	0.0011	0.0024	43
2020	Caterpillar 345	11.0	552	380	0.3819	0.24	0.02	2.46	0.22	8.50	0.75	0.09	0.01	0.01	42.3	0.0011	0.0024	43
2021	Caterpillar 345	11.0	552	380	0.3819	0.22	0.02	2.05	0.18	8.50	0.75	0.08	0.01	0.01	42.3	0.0011	0.0024	43
2022	Caterpillar 345	11.0	552	380	0.3819	0.19	0.02	1.56	0.14	8.50	0.75	0.06	0.01	0.00	42.3	0.0011	0.0024	43
2023	Caterpillar 345	11.0	552	380	0.3819	0.18	0.02	1.39	0.12	8.50	0.75	0.05	0.00	0.00	42.3	0.0011	0.0024	43
2024	Caterpillar 345	11.0	552	380	0.3819	0.18	0.02	1.30	0.11	8.50	0.75	0.05	0.00	0.00	42.3	0.0011	0.0024	43
2025	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	1.12	0.10	8.50	0.75	0.04	0.00	0.00	42.3	0.0011	0.0024	43
2026	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	1.03	0.09	8.50	0.75	0.04	0.00	0.00	42.3	0.0011	0.0024	43
2027	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.98	0.09	8.50	0.75	0.04	0.00	0.00	42.3	0.0011	0.0024	43
2028	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.90	0.08	8.50	0.75	0.03	0.00	0.00	42.3	0.0011	0.0024	43
2029	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.84	0.07	8.50	0.75	0.03	0.00	0.00	42.3	0.0011	0.0024	43
2013	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	5.11	0.47	8.50	0.78	0.16	0.01	0.01	43.9	0.0011	0.0025	45
2014	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	4.86	0.45	8.50	0.78	0.15	0.01	0.01	43.9	0.0011	0.0025	45
2015	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	4.86	0.45	8.50	0.78	0.15	0.01	0.01	43.9	0.0011	0.0025	45
2016	Caterpillar MD5090	11.0	552	300	0.5025	0.28	0.03	4.72	0.43	8.50	0.78	0.14	0.01	0.01	43.9	0.0011	0.0025	45
2017	Caterpillar MD5090	11.0	552	300	0.5025	0.27	0.02	4.44	0.41	8.50	0.78	0.13	0.01	0.01	43.9	0.0011	0.0025	45
2018	Caterpillar MD5090	11.0	552	300	0.5025	0.25	0.02	3.99	0.37	8.50	0.78	0.12	0.01	0.01	43.9	0.0011	0.0025	45
2019	Caterpillar MD5090	11.0	552	300	0.5025	0.24	0.02	3.75	0.34	8.50	0.78	0.11	0.01	0.01	43.9	0.0011	0.0025	45
2020	Caterpillar MD5090	11.0	552	300	0.5025	0.21	0.02	3.02	0.28	8.50	0.78	0.09	0.01	0.01	43.9	0.0011	0.0025	45
2021	Caterpillar MD5090	11.0	552	300	0.5025	0.22	0.02	3.01	0.28	8.50	0.78	0.09	0.01	0.01	43.9	0.0011	0.0025	45
2022	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	2.10	0.19	8.50	0.78	0.07	0.01	0.01	43.9	0.0011	0.0025	45
2023	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.99	0.18	8.50	0.78	0.06	0.01	0.01	43.9	0.0011	0.0025	45

Unmitigated Off-Road (Non-Road) Emissions Calculations

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2024	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.70	0.16	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2025	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.60	0.15	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2026	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.59	0.15	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2027	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.58	0.14	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2028	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.44	0.13	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2029	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.40	0.13	8.50	0.78	0.05	0.00	0.00	43.9	0.0011	0.0025	45
2013	Caterpillar D9	11.0	552	410	0.4288	0.35	0.04	5.78	0.62	8.50	0.91	0.22	0.02	0.02	51.3	0.0013	0.0029	52
2014	Caterpillar D9	11.0	552	410	0.4288	0.34	0.04	5.57	0.60	8.50	0.91	0.22	0.02	0.02	51.3	0.0013	0.0029	52
2015	Caterpillar D9	11.0	552	410	0.4288	0.33	0.04	5.44	0.58	8.50	0.91	0.21	0.02	0.02	51.3	0.0013	0.0029	52
2016	Caterpillar D9	11.0	552	410	0.4288	0.33	0.03	5.24	0.56	8.50	0.91	0.20	0.02	0.02	51.3	0.0013	0.0029	52
2017	Caterpillar D9	11.0	552	410	0.4288	0.32	0.03	4.99	0.53	8.50	0.91	0.19	0.02	0.02	51.3	0.0013	0.0029	52
2018	Caterpillar D9	11.0	552	410	0.4288	0.28	0.03	4.35	0.46	8.50	0.91	0.17	0.02	0.02	51.3	0.0013	0.0029	52
2019	Caterpillar D9	11.0	552	410	0.4288	0.26	0.03	3.91	0.42	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2020	Caterpillar D9	11.0	552	410	0.4288	0.25	0.03	3.60	0.38	8.50	0.91	0.14	0.01	0.01	51.3	0.0013	0.0029	52
2021	Caterpillar D9	11.0	552	410	0.4288	0.23	0.02	3.26	0.35	8.50	0.91	0.13	0.01	0.01	51.3	0.0013	0.0029	52
2022	Caterpillar D9	11.0	552	410	0.4288	0.21	0.02	2.73	0.29	8.50	0.91	0.11	0.01	0.01	51.3	0.0013	0.0029	52
2023	Caterpillar D9	11.0	552	410	0.4288	0.20	0.02	2.46	0.26	8.50	0.91	0.10	0.01	0.01	51.3	0.0013	0.0029	52
2024	Caterpillar D9	11.0	552	410	0.4288	0.19	0.02	2.23	0.24	8.50	0.91	0.09	0.01	0.01	51.3	0.0013	0.0029	52
2025	Caterpillar D9	11.0	552	410	0.4288	0.17	0.02	1.91	0.20	8.50	0.91	0.08	0.01	0.01	51.3	0.0013	0.0029	52
2026	Caterpillar D9	11.0	552	410	0.4288	0.17	0.02	1.76	0.19	8.50	0.91	0.07	0.01	0.01	51.3	0.0013	0.0029	52
2027	Caterpillar D9	11.0	552	410	0.4288	0.16	0.02	1.62	0.17	8.50	0.91	0.07	0.01	0.01	51.3	0.0013	0.0029	52
2028	Caterpillar D9	11.0	552	410	0.4288	0.15	0.02	1.51	0.16	8.50	0.91	0.06	0.01	0.01	51.3	0.0013	0.0029	52
2029	Caterpillar D9	11.0	552	410	0.4288	0.15	0.02	1.40	0.15	8.50	0.91	0.06	0.01	0.01	51.3	0.0013	0.0029	52
2013	Generator (Tier 1)	11.0	1,103	800	0.75	0.97	0.71	6.90	5.04	8.50	6.20	0.25	0.18	0.17	349.8	0.0090	0.0200	356
2014	Generator (Tier 1)	11.0	1,103	800	0.75	0.97	0.71	6.90	5.04	8.50	6.20	0.25	0.18	0.17	349.8	0.0090	0.0200	356
2015	Generator (Tier 1)	11.0	1,103	800	0.75	0.97	0.71	6.90	5.04	8.50	6.20	0.25	0.18	0.17	349.8	0.0090	0.0200	356
2016	Generator (Tier 1)	11.0	1,103	800	0.75	0.97	0.71	6.90	5.04	8.50	6.20	0.25	0.18	0.17	349.8	0.0090	0.0200	356
2017	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2018	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2019	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2020	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2021	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2022	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2023	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2024	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2025	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2026	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2027	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2028	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2029	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356

Conversions:

0.367	lb/hp-hr
2000	lb/ton
453.6	g/lb
2205	lb/MT
7.05	lb/gal diesel
1000	kg/MT

Notes

[1] Horsepowers based on engine specs and URBEMIS2007 default for the water truck

[2] Load factors are from OFFROAD2011.

[3] GHG emissions factors based on the CCAR GRPv3.1 (see right)

[4] Emissions factors are average for type and size of equipment as determined using OFFROAD2011.

[5] PM2.5 emissions based on SCAQMD's "Final-Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds" from October, 2006, Off-Road Equipment: Diesel.

Emission Factor	CCAR GRPv3.1	Table #	GWP
10.15	kg CO2/gal	C.3	1
0.26	g N2O/gal	C.6	21
0.58	g CH4/gal	C.6	310

Mitigated Off-Road (Non-Road) Emissions Calculations (Note: Shaded emissions factors represent mitigations)

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2012	TOTAL	31,057	2,720,610				1.01		6.85		12.96		0.18	0.16	731	0.019	0.042	744
2013	TOTAL	32,748	2,720,610				1.01		6.85		12.96		0.18	0.16	731	0.019	0.042	744
2014	TOTAL	32,748	2,720,610				0.99		6.85		12.96		0.18	0.16	731	0.019	0.042	744
2015	TOTAL	32,748	2,720,610				0.99		6.85		12.96		0.18	0.16	731	0.019	0.042	744
2016	TOTAL	32,748	2,720,610				0.98		6.85		12.96		0.18	0.16	731	0.019	0.042	744
2017	TOTAL	32,748	2,720,610				0.97		6.82		12.96		0.18	0.16	731	0.019	0.042	744
2018	TOTAL	32,748	2,720,610				0.93		6.51		12.96		0.17	0.16	731	0.019	0.042	744
2019	TOTAL	32,748	2,720,610				0.91		6.11		12.96		0.16	0.14	731	0.019	0.042	744
2020	TOTAL	32,748	2,720,610				0.89		5.82		12.96		0.14	0.13	731	0.019	0.042	744
2021	TOTAL	32,748	2,720,610				0.88		5.58		12.96		0.09	0.08	731	0.019	0.042	744
2022	TOTAL	32,748	2,720,610				0.86		5.16		12.96		0.08	0.07	731	0.019	0.042	744
2023	TOTAL	32,748	2,720,610				0.85		5.00		12.96		0.07	0.07	731	0.019	0.042	744
2024	TOTAL	32,748	2,720,610				0.85		4.90		12.96		0.03	0.02	731	0.019	0.042	744
2025	TOTAL	32,748	2,720,610				0.84		4.73		12.96		0.03	0.02	731	0.019	0.042	744
2026	TOTAL	32,748	2,720,610				0.84		4.63		12.96		0.03	0.02	731	0.019	0.042	744
2027	TOTAL	32,748	2,720,610				0.83		4.54		12.96		0.03	0.02	731	0.019	0.042	744
2028	TOTAL	32,748	2,720,610				0.83		4.45		12.96		0.03	0.02	731	0.019	0.042	744
2029	TOTAL	32,748	2,720,610				0.83		4.40		12.96		0.03	0.02	731	0.019	0.042	744
2013	988 Loader	11.0	1,103	510	0.3618	0.35	0.08	4.20	0.94	8.50	1.91	0.15	0.03	0.03	107.6	0.0028	0.0061	110
2014	988 Loader	11.0	1,103	510	0.3618	0.35	0.08	4.20	0.94	8.50	1.91	0.15	0.03	0.03	107.6	0.0028	0.0061	110
2015	988 Loader	11.0	1,103	510	0.3618	0.34	0.08	4.20	0.94	8.50	1.91	0.15	0.03	0.03	107.6	0.0028	0.0061	110
2016	988 Loader	11.0	1,103	510	0.3618	0.32	0.07	4.20	0.94	8.50	1.91	0.15	0.03	0.03	107.6	0.0028	0.0061	110
2017	988 Loader	11.0	1,103	510	0.3618	0.31	0.07	4.17	0.94	8.50	1.91	0.15	0.03	0.03	107.6	0.0028	0.0061	110
2018	988 Loader	11.0	1,103	510	0.3618	0.28	0.06	3.65	0.82	8.50	1.91	0.14	0.03	0.03	107.6	0.0028	0.0061	110
2019	988 Loader	11.0	1,103	510	0.3618	0.25	0.06	3.09	0.69	8.50	1.91	0.12	0.03	0.03	107.6	0.0028	0.0061	110
2020	988 Loader	11.0	1,103	510	0.3618	0.23	0.05	2.83	0.63	8.50	1.91	0.11	0.02	0.02	107.6	0.0028	0.0061	110
2021	988 Loader	11.0	1,103	510	0.3618	0.23	0.05	2.70	0.61	8.50	1.91	0.10	0.02	0.02	107.6	0.0028	0.0061	110
2022	988 Loader	11.0	1,103	510	0.3618	0.20	0.04	2.13	0.48	8.50	1.91	0.08	0.02	0.02	107.6	0.0028	0.0061	110
2023	988 Loader	11.0	1,103	510	0.3618	0.19	0.04	1.96	0.44	8.50	1.91	0.08	0.02	0.02	107.6	0.0028	0.0061	110
2024	988 Loader	11.0	1,103	510	0.3618	0.19	0.04	1.91	0.43	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2025	988 Loader	11.0	1,103	510	0.3618	0.18	0.04	1.68	0.38	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2026	988 Loader	11.0	1,103	510	0.3618	0.17	0.04	1.54	0.34	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2027	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.30	0.29	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2028	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.22	0.27	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2029	988 Loader	11.0	1,103	510	0.3618	0.16	0.04	1.18	0.27	8.50	1.91	0.015	0.00	0.00	107.6	0.0028	0.0061	110
2013	980 Loader	11.0	1,051	349	0.3618	0.36	0.05	4.20	0.61	8.50	1.24	0.15	0.02	0.02	70.1	0.0018	0.0040	71
2014	980 Loader	11.0	1,051	349	0.3618	0.35	0.05	4.20	0.61	8.50	1.24	0.15	0.02	0.02	70.1	0.0018	0.0040	71
2015	980 Loader	11.0	1,051	349	0.3618	0.35	0.05	4.20	0.61	8.50	1.24	0.15	0.02	0.02	70.1	0.0018	0.0040	71
2016	980 Loader	11.0	1,051	349	0.3618	0.33	0.05	4.20	0.61	8.50	1.24	0.15	0.02	0.02	70.1	0.0018	0.0040	71
2017	980 Loader	11.0	1,051	349	0.3618	0.31	0.05	4.20	0.61	8.50	1.24	0.15	0.02	0.02	70.1	0.0018	0.0040	71
2018	980 Loader	11.0	1,051	349	0.3618	0.28	0.04	3.77	0.55	8.50	1.24	0.14	0.02	0.02	70.1	0.0018	0.0040	71
2019	980 Loader	11.0	1,051	349	0.3618	0.26	0.04	3.33	0.49	8.50	1.24	0.12	0.02	0.02	70.1	0.0018	0.0040	71
2020	980 Loader	11.0	1,051	349	0.3618	0.24	0.04	3.05	0.45	8.50	1.24	0.11	0.02	0.02	70.1	0.0018	0.0040	71
2021	980 Loader	11.0	1,051	349	0.3618	0.22	0.03	2.63	0.39	8.50	1.24	0.10	0.01	0.01	70.1	0.0018	0.0040	71
2022	980 Loader	11.0	1,051	349	0.3618	0.20	0.03	2.19	0.32	8.50	1.24	0.08	0.01	0.01	70.1	0.0018	0.0040	71
2023	980 Loader	11.0	1,051	349	0.3618	0.18	0.03	1.88	0.28	8.50	1.24	0.07	0.01	0.01	70.1	0.0018	0.0040	71
2024	980 Loader	11.0	1,051	349	0.3618	0.17	0.03	1.71	0.25	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2025	980 Loader	11.0	1,051	349	0.3618	0.16	0.02	1.44	0.21	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2026	980 Loader	11.0	1,051	349	0.3618	0.16	0.02	1.32	0.19	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2027	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.17	0.17	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2028	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.11	0.16	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2029	980 Loader	11.0	1,051	349	0.3618	0.15	0.02	1.03	0.15	8.50	1.24	0.015	0.00	0.00	70.1	0.0018	0.0040	71
2013	Water Truck	11.0	1,103	189	0.3819	0.46	0.04	4.30	0.38	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2014	Water Truck	11.0	1,103	189	0.3819	0.42	0.04	4.30	0.38	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2015	Water Truck	11.0	1,103	189	0.3819	0.42	0.04	4.30	0.38	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2016	Water Truck	11.0	1,103	189	0.3819	0.39	0.03	4.30	0.38	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2017	Water Truck	11.0	1,103	189	0.3819	0.37	0.03	4.30	0.38	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43

Mitigated Off-Road (Non-Road) Emissions Calculations (Note: Shaded emissions factors represent mitigations)

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2018	Water Truck	11.0	1,103	189	0.3819	0.30	0.03	3.66	0.32	8.50	0.75	0.15	0.01	0.01	42.1	0.0011	0.0024	43
2019	Water Truck	11.0	1,103	189	0.3819	0.27	0.02	3.17	0.28	8.50	0.75	0.13	0.01	0.01	42.1	0.0011	0.0024	43
2020	Water Truck	11.0	1,103	189	0.3819	0.24	0.02	2.66	0.23	8.50	0.75	0.10	0.01	0.01	42.1	0.0011	0.0024	43
2021	Water Truck	11.0	1,103	189	0.3819	0.22	0.02	2.23	0.20	8.50	0.75	0.09	0.01	0.01	42.1	0.0011	0.0024	43
2022	Water Truck	11.0	1,103	189	0.3819	0.19	0.02	1.72	0.15	8.50	0.75	0.07	0.01	0.01	42.1	0.0011	0.0024	43
2023	Water Truck	11.0	1,103	189	0.3819	0.18	0.02	1.55	0.14	8.50	0.75	0.06	0.01	0.01	42.1	0.0011	0.0024	43
2024	Water Truck	11.0	1,103	189	0.3819	0.18	0.02	1.44	0.13	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2025	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.20	0.11	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2026	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.12	0.10	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2027	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.07	0.09	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2028	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.02	0.09	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2029	Water Truck	11.0	1,103	189	0.3819	0.16	0.01	1.02	0.09	8.50	0.75	0.015	0.00	0.00	42.1	0.0011	0.0024	43
2013	Street Sweeper	2.0	520	189	0.4556	0.41	0.02	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2014	Street Sweeper	2.0	520	189	0.4556	0.42	0.02	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2015	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2016	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2017	Street Sweeper	2.0	520	189	0.4556	0.43	0.02	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2018	Street Sweeper	2.0	520	189	0.4556	0.29	0.01	4.30	0.21	8.50	0.42	0.15	0.01	0.01	23.7	0.0006	0.0014	24
2019	Street Sweeper	2.0	520	189	0.4556	0.19	0.01	2.88	0.14	8.50	0.42	0.10	0.00	0.00	23.7	0.0006	0.0014	24
2020	Street Sweeper	2.0	520	189	0.4556	0.17	0.01	2.50	0.12	8.50	0.42	0.08	0.00	0.00	23.7	0.0006	0.0014	24
2021	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.77	0.09	8.50	0.42	0.06	0.00	0.00	23.7	0.0006	0.0014	24
2022	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.61	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2023	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.62	0.08	8.50	0.42	0.05	0.00	0.00	23.7	0.0006	0.0014	24
2024	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.62	0.08	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2025	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.62	0.08	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2026	Street Sweeper	2.0	520	189	0.4556	0.13	0.01	1.42	0.07	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2027	Street Sweeper	2.0	520	189	0.4556	0.14	0.01	1.43	0.07	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2028	Street Sweeper	2.0	520	189	0.4556	0.12	0.01	1.06	0.05	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2029	Street Sweeper	2.0	520	189	0.4556	0.11	0.01	0.68	0.03	8.50	0.42	0.015	0.00	0.00	23.7	0.0006	0.0014	24
2013	Caterpillar 345	11.0	552	380	0.3819	0.46	0.04	4.20	0.37	8.50	0.75	0.15	0.01	0.01	42.3	0.0011	0.0024	43
2014	Caterpillar 345	11.0	552	380	0.3819	0.42	0.04	4.20	0.37	8.50	0.75	0.15	0.01	0.01	42.3	0.0011	0.0024	43
2015	Caterpillar 345	11.0	552	380	0.3819	0.42	0.04	4.20	0.37	8.50	0.75	0.15	0.01	0.01	42.3	0.0011	0.0024	43
2016	Caterpillar 345	11.0	552	380	0.3819	0.39	0.03	4.20	0.37	8.50	0.75	0.15	0.01	0.01	42.3	0.0011	0.0024	43
2017	Caterpillar 345	11.0	552	380	0.3819	0.37	0.03	3.85	0.34	8.50	0.75	0.14	0.01	0.01	42.3	0.0011	0.0024	43
2018	Caterpillar 345	11.0	552	380	0.3819	0.30	0.03	3.24	0.29	8.50	0.75	0.12	0.01	0.01	42.3	0.0011	0.0024	43
2019	Caterpillar 345	11.0	552	380	0.3819	0.27	0.02	2.80	0.25	8.50	0.75	0.10	0.01	0.01	42.3	0.0011	0.0024	43
2020	Caterpillar 345	11.0	552	380	0.3819	0.24	0.02	2.46	0.22	8.50	0.75	0.09	0.01	0.01	42.3	0.0011	0.0024	43
2021	Caterpillar 345	11.0	552	380	0.3819	0.22	0.02	2.05	0.18	8.50	0.75	0.08	0.01	0.01	42.3	0.0011	0.0024	43
2022	Caterpillar 345	11.0	552	380	0.3819	0.19	0.02	1.56	0.14	8.50	0.75	0.06	0.01	0.00	42.3	0.0011	0.0024	43
2023	Caterpillar 345	11.0	552	380	0.3819	0.18	0.02	1.39	0.12	8.50	0.75	0.05	0.00	0.00	42.3	0.0011	0.0024	43
2024	Caterpillar 345	11.0	552	380	0.3819	0.18	0.02	1.30	0.11	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2025	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	1.12	0.10	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2026	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	1.03	0.09	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2027	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.98	0.09	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2028	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.90	0.08	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2029	Caterpillar 345	11.0	552	380	0.3819	0.16	0.01	0.84	0.07	8.50	0.75	0.015	0.00	0.00	42.3	0.0011	0.0024	43
2013	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	4.20	0.39	8.50	0.78	0.15	0.01	0.01	43.9	0.0011	0.0025	45
2014	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	4.20	0.39	8.50	0.78	0.15	0.01	0.01	43.9	0.0011	0.0025	45
2015	Caterpillar MD5090	11.0	552	300	0.5025	0.29	0.03	4.20	0.39	8.50	0.78	0.15	0.01	0.01	43.9	0.0011	0.0025	45
2016	Caterpillar MD5090	11.0	552	300	0.5025	0.28	0.03	4.20	0.39	8.50	0.78	0.14	0.01	0.01	43.9	0.0011	0.0025	45
2017	Caterpillar MD5090	11.0	552	300	0.5025	0.27	0.02	4.20	0.39	8.50	0.78	0.13	0.01	0.01	43.9	0.0011	0.0025	45
2018	Caterpillar MD5090	11.0	552	300	0.5025	0.25	0.02	3.99	0.37	8.50	0.78	0.12	0.01	0.01	43.9	0.0011	0.0025	45
2019	Caterpillar MD5090	11.0	552	300	0.5025	0.24	0.02	3.75	0.34	8.50	0.78	0.11	0.01	0.01	43.9	0.0011	0.0025	45
2020	Caterpillar MD5090	11.0	552	300	0.5025	0.21	0.02	3.02	0.28	8.50	0.78	0.09	0.01	0.01	43.9	0.0011	0.0025	45
2021	Caterpillar MD5090	11.0	552	300	0.5025	0.22	0.02	3.01	0.28	8.50	0.78	0.09	0.01	0.01	43.9	0.0011	0.0025	45
2022	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	2.10	0.19	8.50	0.78	0.07	0.01	0.01	43.9	0.0011	0.0025	45
2023	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.99	0.18	8.50	0.78	0.06	0.01	0.01	43.9	0.0011	0.0025	45

Mitigated Off-Road (Non-Road) Emissions Calculations (Note: Shaded emissions factors represent mitigations)

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	VOC Emiss. (tpy)	NOx EF[4] (g/hp-hr)	NOx Emiss. (tpy)	CO EF[4] (g/hp-hr)	CO Emiss. (tpy)	PM_{10} EF[4] (g/hp-hr)	PM_{10} Emiss. (tpy)	$PM_{2.5}$[5] Emiss. (tpy)	CO2[3] (MT)	N2O[3] (MT)	CH4[3] (MT)	CO2e[3] (MT)
2024	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.70	0.16	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2025	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.60	0.15	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2026	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.59	0.15	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2027	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.58	0.14	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2028	Caterpillar MD5090	11.0	552	300	0.5025	0.18	0.02	1.44	0.13	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2029	Caterpillar MD5090	11.0	552	300	0.5025	0.17	0.02	1.40	0.13	8.50	0.78	0.015	0.00	0.00	43.9	0.0011	0.0025	45
2013	Caterpillar D9	11.0	552	410	0.4288	0.35	0.04	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2014	Caterpillar D9	11.0	552	410	0.4288	0.34	0.04	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2015	Caterpillar D9	11.0	552	410	0.4288	0.33	0.04	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2016	Caterpillar D9	11.0	552	410	0.4288	0.33	0.03	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2017	Caterpillar D9	11.0	552	410	0.4288	0.32	0.03	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2018	Caterpillar D9	11.0	552	410	0.4288	0.28	0.03	4.20	0.45	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2019	Caterpillar D9	11.0	552	410	0.4288	0.26	0.03	3.91	0.42	8.50	0.91	0.15	0.02	0.01	51.3	0.0013	0.0029	52
2020	Caterpillar D9	11.0	552	410	0.4288	0.25	0.03	3.60	0.38	8.50	0.91	0.14	0.01	0.01	51.3	0.0013	0.0029	52
2021	Caterpillar D9	11.0	552	410	0.4288	0.23	0.02	3.26	0.35	8.50	0.91	0.13	0.01	0.01	51.3	0.0013	0.0029	52
2022	Caterpillar D9	11.0	552	410	0.4288	0.21	0.02	2.73	0.29	8.50	0.91	0.11	0.01	0.01	51.3	0.0013	0.0029	52
2023	Caterpillar D9	11.0	552	410	0.4288	0.20	0.02	2.46	0.26	8.50	0.91	0.10	0.01	0.01	51.3	0.0013	0.0029	52
2024	Caterpillar D9	11.0	552	410	0.4288	0.19	0.02	2.23	0.24	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2025	Caterpillar D9	11.0	552	410	0.4288	0.17	0.02	1.91	0.20	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2026	Caterpillar D9	11.0	552	410	0.4288	0.17	0.02	1.76	0.19	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2027	Caterpillar D9	11.0	552	410	0.4288	0.16	0.02	1.62	0.17	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2028	Caterpillar D9	11.0	552	410	0.4288	0.15	0.02	1.51	0.16	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2029	Caterpillar D9	11.0	552	410	0.4288	0.15	0.02	1.40	0.15	8.50	0.91	0.015	0.00	0.00	51.3	0.0013	0.0029	52
2013	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2014	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2015	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2016	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2017	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2018	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2019	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2020	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.08	0.06	0.05	349.8	0.0090	0.0200	356
2021	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2022	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2023	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2024	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2025	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2026	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2027	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2028	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356
2029	Generator (Tier 4 PM)	11.0	1,103	800	0.75	0.97	0.71	4.80	3.50	8.50	6.20	0.02	0.01	0.01	349.8	0.0090	0.0200	356

Conversions:

0.367	lb/hp-hr
2000	lb/ton
453.6	g/lb
2205	lb/MT
7.05	lb/gal diesel
1000	kg/MT

Notes

[1] Horsepowers based on engine specs and URBEMIS2007 default for the water truck

[2] Load factors are from OFFROAD2011.

[3] GHG emissions factors based on the CCAR GRPv3.1 (see right)

[4] Emissions factors are average for type and size of equipment as determined using OFFROAD2011.

[5] PM2.5 emissions based on SCAQMD's "Final-Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds" from October, 2006, Off-Road Equipment: Diesel.

Emission Factor	CCAR GRPv3.1	Table #	GWP
10.15	kg CO2/gal	C.3	1
0.26	g N2O/gal	C.6	21
0.58	g CH4/gal	C.6	310

Off-Road Emissions Emissions Calculations - Cycle Time Analyses

Assumptions

Parameters	Truck / Recycle Plant Loading	Quarry and/or Load Rock Plant
Loader Model	980H Loader	988 Loader
Travel Distance (avg) (meters)	15	50
Bucket Payload[1] (yd^3)	7.00	7.00
Bucket Payload in Tons	10.5	10.5
Material Type[2]	Uniform Agg > 1"	Average Blasted Rock
Bucket Fill Factor[2]	85%	75%
Job Efficiency[3] (work 50 min/hr)	83%	83%
Grade Resistance[4]	0%	0%
Rolling Resistance[4]	3%	3%
Total Resistance[4]	3%	3%

Cycle Time (mins)

Hydraulic Cycle Time [5]	Truck / Recycle Plant Loading		Quarry and/or Load Rock Plant	
Average Cycle Time [6]		0.65		0.65
Material Handler?	Yes	-0.05	Yes	-0.05
Materials:	3/4" to 6"	0.00	Bank or Broken	0.08
Pile:	Conveyor piled >10'	0.00	Dozer piled < 10'	0.01
Truck Ownership:	Common	-0.04	Common	-0.04
Operation Cycle:	Constant	-0.04	Constant	-0.04
Target Type:	N/A	0.00	N/A	0.00
Total Hydraulic Cycle Time		**0.52**		**0.61**

Total Cycle Time (mins)	Truck / Recycle Plant Loading	Quarry and/or Load Rock Plant
Hydraulic Cycle Time (min/cycle)	0.52	0.61
Travel with load[7] (min/cycle)	0.08	0.10
Travel empty[7] (min/cycle)	0.07	0.08
Total Cycle Time (min/cycle)	**0.67**	**0.79**

Rate Calculations

Production Calculations	Truck / Recycle Plant Loading	Quarry and/or Load Rock Plant
Cycles per Hour	74.6	63.3
Production Rate (tph)	666	498

Rock into Trucks	500000	**tpy**
Recycle into Plant	150000	**tpy**
Recycle into Trucks	150000	**tpy**

[1] Bucket payload ranges based on activity type and equipment size. In this case, heaped bucket capacity for the 980H is roughly equal to the bucket capacity of a 988 that is equipped for digging.

[2] Material type and bucket fill factor from Caterpillar Performance Handbook Edition 41, January 2011

[3] Job efficiency accounts for operator skill, minor repairs and adjustments, personnel delays, and delays caused by job layout. CPH suggested 50 minutes (83%) (CPH page 12-80)

[4] Resisitance from CPH pg 22-5 and 22-6 and "Typical Rolling Resistance Factors" table on page 27-1

[5] Guidelines for "Selecting a Machine" on page 12-79 and 12-80 of CPH were used to determine the hydraulic cycle time.

[6] Average cycle time for this type of equipment is tabulated on page 12-80 of CPH.

Unmitigated Off-Road (Non-Road) Emissions Calculations

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	NOx EF[4] (g/hp-hr)	CO EF[4] (g/hp-hr)	PM_{10} EF[4] (g/hp-hr)	VOC Emiss (lb/day)	NOx Emiss (lb/day)	CO Emiss (lb/day)	PM10 Emiss. (lb/day)	PM2.5 Emiss. (lb/day)	NOx Emiss. (lb/hr)	Total HP-HR/DAY (as loaded)	Total HP-HR/YEAR (as loaded)
2013	TOTAL FLEET	32,742	2,720,610							21.98	216.51	303.59	8.05	7.41	20.69	16,201	1,383,088
2013	988 Loader	11.0	1,103	510	0.3618	0.35	5.15	8.50	0.21	1.58	23.14	38.16	0.92	0.85	2.10	2,036	203,614
2013	980 Loader	11.0	1,051	349	0.3618	0.36	5.51	8.50	0.21	1	17	26	0.64	0.5888198	1.5335586	1,389	132,705
2013	Water Truck	11.0	1,103	189	0.3819	0.46	6.44	8.50	0.28	0.81	11.27	14.88	0.49	0.45	1.02	794	79,649
2013	Street Sweeper	2.0	520	189	0.4556	0.41	6.69	8.50	0.26	0.16	2.54	3.23	0.10	0.09	1.27	172	44,776
2013	Caterpillar 345	11.0	552	380	0.3819	0.46	5.30	8.50	0.21	1.62	18.65	29.91	0.72	0.67	1.70	1,596	80,070
2013	Caterpillar MD5090	11.0	552	300	0.5025	0.29	5.11	8.50	0.16	1.08	18.68	31.07	0.58	0.54	1.70	1,658	83,176
2013	Caterpillar D9	11.0	552	410	0.4288	0.35	5.78	8.50	0.22	1.47	24.64	36.24	0.95	0.87	2.24	1,934	97,001
2013	Generator (Tier 1)	11.0	1,103	800	0.75	0.97	6.90	8.50	0.25	14.16	100.72	124.07	3.65	3.36	9.13	6,621	662,095

Conversions:

0.367 lb/hp-hr
2000 lb/ton
453.6 g/lb
2205 lb/MT
7.05 lb/gal diesel
1000 kg/MT

Notes

[1] Horsepowers based on engine specs and URBEMIS2007 default for the water truck
[2] Load factors are from OFFROAD2011.
[3] GHG emissions factors based on the CCAR GRPv3.1 (see right)
[4] Emissions factors are average for type and size of equipment as determined using OFFROAD2011.
[5] PM2.5 emissions based on SCAQMD's "Final-Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds" from October, 2006, Off-Road Equipment: Diesel.

General comments: CO2 emisisons not estimated on daily basis because annual threshold is used. Notes located to the left that are cut off can be viewed on the annual emissions sheet.

Mitigated Off-Road (Non-Road) Emissions Calculations (Note: Shaded emissions factors represent mitigations)

Calendar Year	Activity/Unit	Total (HP-hrs/day) or Unit Hrs (hrs/day)	Total (HP-hrs/yr) or Unit Hrs (hrs/yr)	HP[1]	Unit Load Factor[2]	VOC EF[4] (g/hp-hr)	NOx EF[4] (g/hp-hr)	CO EF[4] (g/hp-hr)	PM_{10} EF[4] (g/hp-hr)	VOC Emiss (lb/day)	NOx Emiss (lb/day)	CO Emiss (lb/day)	PM10 Emiss. (lb/day)	PM2.5 Emiss. (lb/day)	NOx Emiss. (lb/hr)	HP-HR/day (as loaded)	HP-HR/Year (as loaded)
2013	TOTAL	32,748	2,720,610							21.98	159.00	303.64	4.34	3.99	15.10	16,203	1,383,088
2013	988 Loader	11.0	1,103	510	0.3618	0.35	4.20	8.50	0.15	1.58	18.85	38.16	0.67	0.62	1.71	2,036	203,614
2013	980 Loader	11.0	1,051	349	0.3618	0.36	4.20	8.50	0.15	1.11	12.86	26.03	0.46	0.42	1.17	1,389	132,705
2013	Water Truck	11.0	1,103	189	0.3819	0.46	4.30	8.50	0.15	0.81	7.55	14.93	0.26	0.24	0.68	796	79,649
2013	Street Sweeper	2.0	520	189	0.4556	0.41	4.30	8.50	0.15	0.16	1.63	3.23	0.06	0.05	0.82	172	44,776
2013	Caterpillar 345	11.0	552	380	0.3819	0.46	4.20	8.50	0.15	1.62	14.78	29.91	0.53	0.49	1.34	1,596	80,070
2013	Caterpillar MD5090	11.0	552	300	0.5025	0.29	4.20	8.50	0.15	1.08	15.35	31.07	0.55	0.50	1.40	1,658	83,176
2013	Caterpillar D9	11.0	552	410	0.4288	0.35	4.20	8.50	0.15	1.47	17.91	36.24	0.64	0.59	1.63	1,934	97,001
2013	Generator (Tier 2 + VDECS)	11.0	1,103	800	0.75	0.97	4.80	8.50	0.08	14.16	70.06	124.07	1.17	1.07	6.35	6,621	662,095

Conversions:

0.367 lb/hp-hr
2000 lb/ton
453.6 g/lb
2205 lb/MT
7.05 lb/gal diesel
1000 kg/MT

Notes

[1] Horsepowers based on engine specs and URBEMIS2007 default for the water truck
[2] Load factors are from OFFROAD2011.
[3] GHG emissions factors based on the CCAR GRPv3.1 (see right)
[4] Emissions factors are average for type and size of equipment as determined using OFFROAD2011.
[5] PM2.5 emissions based on SCAQMD's "Final-Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds" from October, 2006, Off-Road Equipment: Diesel.

General comments: CO2 emisisons not estimated on daily basis because annual threshold is used. Shaded cells indicate mitigation with Tier 2 and generator has a VDECS to control particulates. Tier 2 emissions factors are from CalEEMod User Manual Appendix D, Table 3.5.

Dust Emissions Calculations - Bulldozing and Loading/Unloading

Bulldozing

EF PM_{10} (lb/hr) = $0.75*s^{1.5} / M^{1.4}$ EF $PM_{2.5}$ (lb/hr) $=0.6*s^{1.2} / M^{1.3}$ AP-42, Table 11.9-1 (July 1998)

Blasted Rock - Quarrying

s = silt content (%) =	3	s = silt content (%) =	3
M = moisture (%) =	1.5	M = moisture (%) =	1.5
PM_{10} EF (lb/hr)=	2.21	$PM_{2.5}$ EF (lb/hr)=	1.32

Parameter	Operation (hr/day)	Operation (hr/yr)	PM10 (lb/day)	PM2.5 (lb/day)	PM10 (tpy)	PM2.5 (tpy)
Unmitigated	4	276	8.8	5.3	0.305	0.183
Mitigated	4	276	8.8	5.3	0.305	0.183

Overburden - Reclamation

s = silt content (%) =	6.9	s = silt content (%) =	6.9
M = moisture (%) =	7.9	M = moisture (%) =	7.9
PM_{10} EF (lb/hr)=	0.75	$PM_{2.5}$ EF (lb/hr)=	0.41

Parameter	Operation (hr/day)	Operation (hr/yr)	PM10 (lb/day)	PM2.5 (lb/day)	PM10 (tpy)	PM2.5 (tpy)
Unmitigated	4	276	3.0	1.7	0.104	0.057
Mitigated	4	276	3.0	1.7	0.104	0.057

Loading and Unloading

EF = k * 0.0032 * ((U/5)^(1.3)) / ((M/2)^1.4) AP42, Section 13.2.4 (Nov. 2006)

Drops of Blasted Rock

	PM10	PM2.5	
k =	0.35	0.053	unitless
U =	7.16	7.16	mph
M =	1.5	1.5	percent
EF =	0.00267	0.00040	lb/ton

Parameter	Quarry (tons/day)	Quarry (tons/year)	PM10 (lb/day)	PM2.5 (lb/day)	PM10 (tpy)	PM2.5 (tpy)
Unmitigated	5,500	550,000	14.7	2.2	0.7	0.1
Mitigated	5,500	550,000	14.7	2.2	0.7	0.1

Drops of Other Materials

	PM10	PM2.5	
k =	0.35	0.053	unitless
U =	7.16	7.16	mph
M =	5	5	percent
EF =	0.00050	0.00007	lb/ton

Parameter	Truck and Recycle Plant Loading (tons/day)	Truck and Recycle Plant Loading (tons/year)	PM10 (lb/day)	PM2.5 (lb/day)	PM10 (tpy)	PM2.5 (tpy)
Unmitigated	7,000	700,000	3.5	0.52	0.17	0.03
Mitigated	7,000	700,000	3.5	0.52	0.17	0.03

Dust Emissions Calculations - Portable Plants

Emissions Factors

Source	Recycle			Aggregate		
	Portion of Throughput [1]	Water PM10 E.F. (lb/ton)[2]	Water PM2.5 E.F. (lb/ton)[2]	Portion of Throughput [1]	Water PM10 E.F. (lb/ton)	Water PM2.5 E.F. (lb/ton)
Transfer Points	8	4.60E-05	1.30E-05	20	4.60E-05	1.30E-05
Crushers	0.75	5.40E-04	1.00E-04	1.5	5.40E-04	1.00E-04
Screen	1.5	7.40E-04	5.00E-05	2.5	7.40E-04	5.00E-05
TOTAL PLANT		**1.88E-03**	**2.54E-04**		**3.58E-03**	**5.35E-04**

Notes:

[1] The portion of throughput represents the number of each unit and the fraction of total throughput that goes through each unit.

[2] Emissions factors from AP42 Table 11-19.2-2

Emissions

Parameter	Throughputs (tons)			PM10 Emissions		PM2.5 Emissions	
	Hourly	Daily	Annually	lb/day	tpy	lb/day	tpy
Recycle Plant	250	2,500	100,000	4.7	0.09	0.64	0.013
Aggregate Plant	500	5,500	550,000	19.7	0.98	2.94	0.147

$$Emissions\left(\frac{tons\ pollutant}{year}\right) = Fraction\ of\ Plant\ Throughput\ (dimensionless) \times Plant\ Throughput\left(\frac{tons\ aggregate}{year}\right) \times Emissions\ Factor\left(\frac{pounds\ pollutant}{ton\ aggregate}\right) \times \frac{ton}{2{,}000\ pounds}$$

Blasting Emissions Calculations

	Day	Year
Number of Blasts	1	20
Tons explosive	15	300
Area of blast[3] (ft^2)	10,000	200,000

Blasting EF						
lb/ton of explosives					lb/blast	
VOC	CO	NO_x	SO_x	CO_2e	PM_{10}	$PM_{2.5}$
--	67	17	2	415.8	7.3	0.4

Emissions (lb/day)						
VOC	CO	NO_x	SO_x	CO_2e	PM_{10}	$PM_{2.5}$
--	1,005	255	30	6,237	7.3	0.4

Emissions (tons/year, metric tons for CO2e)						
VOC	CO	NO_x	SO_x	CO_2e	PM_{10}	$PM_{2.5}$
--	10	2.6	0.30	56.57	0.07	0.004

Combustion emission factors are from AP42 Table 13.3-1 assuming ammonium nitrate with 5.8% - 8% fuel oil is used.

The PM blasting EF's are based on the equation PM_{30} (lb/blast) = 0.000014(A)^1.5 which is from AP42 Table 11.9-1

Percent of PM_{10} in PM_{30} from blasting = 52%

Percent of $PM_{2.5}$ in PM_{30} from blasting = 3%

GHG emissions factor based on:

Canada 0.189 MT CO2e/MT ANFO

http://www.grangeresources.com.au/clients/grange/downloads/item63/34~Technical%20Appendix%2013.14.pdf%20%2861.78%20Kb%29.pdf

http://www.ghgregistries.ca/registry/out/rf_3706_627.pdf

SESPE CONSULTING, INC.

5920 Friars Road, Suite 103 • San Diego, California 92108

MEMORANDUM

Date: August 28, 2012

To: File

From: Scott Cohen

Re: Using OFFROAD2011 to Obtain Emissions Factors

The OFFROAD2011 model contains table data that is used to calculate emissions from offroad vehicles that are subject to the In Use Offroad Air Toxic Control Measure (ATCM). A table summarizing the results of the offroad model is also included. Information in the model can be used in various ways to estimate emissions and emissions factors. This memo summarized the ways in which SESPE may use the OFFROAD2011 model in preparing emissions calculations.

1. Emissions Factors for a Specific Offroad Vehicle

The following example is for a 2002 model year, 250 hp to 500 hp engine (i.e. 500 hp bin) that is powers a loader during calendar year 2011. Such a loader engine would have the following attributes in the OFFROAD2011 model:

- NOx emissions factors (EF_0 = 4.51 g/hp-hr and EF_{det} = 6.32E-05 g/hp-hr^2) from the table named EMFACUpdate;
- Load factor for a loader (LF = 0.3618) from the table named LoadFactor;
- Cumulative hours for a nine year old loader (12,000 hours) from the table named ActivityCMHrs; and
- NOx Fuel correction factor (FCF = 0.948) from table named FuelCorrectionFactorUpdate.

Emissions would be calculated by the following equation

$$NOx\ Emissions\ (grams) = HP \times LF \times\ (EF_0 \times hours + EF_{det} \times cumulative\ hours) \times FCF$$

Emissions in OFFROAD2011 are in units of tons (per day). Thus, the results of the above equation would be converted to tons by dividing by 453.59 g/lb and 2000 lb/ton.

In order to check the above calculation method, emissions reported in table osmEmissionsForAirBasin for all 2002 model year engines in loaders are examined. First, the average horsepower of all such loaders is calculated by multiplying the total pounds of fuel burned by the brake specific fuel consumption (0.367) and then dividing by the applicable load factor (0.3618). The average horsepower of the 2002 engines in loaders between 250 hp and 500 hp is calculated to be 319.6 hp. Next, the emissions are calculated using the average horsepower and compared to the total emissions in osmEmissionsForAirBasin. As shown in Attachment 1, the percent difference between the calculated value and the osmEmissionsForAirBasin total is less than one percent (1%). Therefore, then calculation method including units of measure and other assumptions is confirmed to be correct.

2. Emissions Factors for the Average Vehicle of a Particular Type and Size by Calendar Year

Average emissions factors for a vehicle of a particular size, type during each calendar year can be estimated using data in the table named osmEmissionsForAirBasin. Attachment 2 contains loader NOx emissions factors that are calculated for each calendar year for the 500 hp bin. The average horsepower for each year is calculated as discussed above. Then the total NOx emissions are used to back-calculated the NOx emissions factor. By back-calculating the emissions factor from the total, the deterioration factor and fuel correction factor are incorporated into the result which reflects the average NOx emissions factor for a unit in the 500 hp bin during each calendar year.

Two queries were developed in order to automate the process of calculating emissions factors for the average unit by calendar year. First, a query named EmissionsTotal sums the fuel use, hours of operation, and emissions of NOx, PM, and HC:

```
SELECT osmEmissionsForAirBasin.CalendarYear,
       Sum(osmEmissionsForAirBasin.ScenBSFC) AS SumOfScenBSFC,
       Sum(osmEmissionsForAirBasin.ScenNOx) AS SumOfScenNOx,
       Sum(osmEmissionsForAirBasin.ScenPM) AS SumOfScenPM,
       Sum(osmEmissionsForAirBasin.ScenHC) AS SumOfScenHC,
       Sum(osmEmissionsForAirBasin.ScenActivity) AS SumOfScenActivity,
       osmEmissionsForAirBasin.HorsepowerBin,
       osmEmissionsForAirBasin.EquipmentTypeID
FROM osmEmissionsForAirBasin
INNER JOIN LookupEquipmentType
ON osmEmissionsForAirBasin.EquipmentTypeID = LookupEquipmentType.EquipmentTypeID
GROUP BY osmEmissionsForAirBasin.CalendarYear,
       osmEmissionsForAirBasin.HorsepowerBin,
       osmEmissionsForAirBasin.EquipmentTypeID
HAVING (((osmEmissionsForAirBasin.EquipmentTypeID)=[EquipTypeIdentification]));
```

Next, a query named EmissionsFactors performs the necessary back-calculations to determine the average emissions factors by calendar year:

```
SELECT EmissionsTotals.CalendarYear,
       EmissionsTotals.SumOfScenBSFC,
       EmissionsTotals.SumOfScenNOx,
       EmissionsTotals.SumOfScenPM,
       EmissionsTotals.SumOfScenHC,
       EmissionsTotals.SumOfScenActivity,
       EmissionsTotals.HorsepowerBin,
       [EmissionsTotals]![SumOfScenBSFC]/0.367/[EmissionsTotals]![SumOfScenActivity]/[L
       oadFactor] AS AvgHP,
       [SumOfScenNOx]*2000*453.59237/[AvgHP]/[SumOfScenActivity]/[LoadFactor] AS NOxEF,
       [SumOfScenPM]*2000*453.59237/[AvgHP]/[SumOfScenActivity]/[LoadFactor] AS PMEF,
       [SumOfScenHC]*2000*453.59237/[AvgHP]/[SumOfScenActivity]/[LoadFactor] AS HCEF
FROM EmissionsTotals;
```

Before running the above queries, the user must know the EquipmentTypeID and the load factor. OFFROAD2011 stores the numerical EquipmentTypeID and the load factor in the LoadFactor table and the name associated with each EquipmentTypeID is located in the LookupEquipmentType table. Attachment 2 contains the results of a query which combines these two OFFROAD2011 tables into one table that can be referenced. Attachment 3 contains output from the EmissionsFactors query for loaders in the 500 hp bin.

CalendarYear	FleetSize	AirBasin	ModelYear	EquipmentType	HorsepowerBin	BaseBSFC lb fuel	BaseNOx tpd	BaseActivity hours	ScenBSFC lb fuel	ScenNOx tpd	ScenActivity hours
2011	L	NCC	2002	24	500	40968	0.609564189	932.2506108	40968.44013	0.60956419	932.2506108
2011	L	SV	2002	24	500	198752	2.957209393	4522.674252	198752.2531	2.95720939	4522.674252
2011	L	LC	2002	24	500	2787	0.041465898	63.41679777	2786.897914	0.0414659	63.41679777
2011	L	MC	2002	24	500	15028	0.2235959	341.9613855	15027.7451	0.2235959	341.9613855
2011	L	NC	2002	24	500	10366	0.154235226	235.8830888	10366.05617	0.15423523	235.8830888
2011	L	NEP	2002	24	500	1567	0.023308623	35.64756369	1566.558457	0.02330862	35.64756369
2011	L	SC	2002	24	500	882289	13.12745811	20076.77134	882288.5125	13.1274581	20076.77134
2011	L	SCC	2002	24	500	73602	1.095111184	1674.832755	73601.75969	1.09511118	1674.832755
2011	L	SD	2002	24	500	236408	3.517484385	5379.543328	236407.9961	3.51748439	5379.543328
2011	L	SF	2002	24	500	466116	6.935282585	10606.62936	466116.144	6.93528259	10606.62936
2011	L	SJV	2002	24	500	373931	5.563670273	8508.923429	373930.9108	5.56367027	8508.923429
2011	L	SS	2002	24	500	79345	1.180560925	1805.517226	79344.78508	1.18056093	1805.517226
2011	L	MD	2002	24	500	65057	0.967971201	1480.388381	65056.75839	0.9679712	1480.388381
2011	L	LT	2002	24	500	4617	0.068696677	105.0627975	4617.062065	0.06869668	105.0627975
2011	L	GBV	2002	24	500	726	0.010796839	16.51238755	725.6490397	0.01079684	16.51238755
2011	M	NCC	2002	24	500	6195	0.092179876	147.8877417	6195.35364	0.09217988	147.8877417
2011	M	SV	2002	24	500	30056	0.447196865	717.4552358	30055.83056	0.44719686	717.4552358
2011	M	LC	2002	24	500	421	0.006270581	10.06013501	421.4419217	0.00627058	10.06013501
2011	M	MC	2002	24	500	2273	0.033812751	54.24710531	2272.534542	0.03381275	54.24710531
2011	M	NC	2002	24	500	1568	0.02332385	37.41935581	1567.581867	0.02332385	37.41935581
2011	M	NEP	2002	24	500	237	0.00352479	5.654957617	236.8990279	0.00352479	5.654957617
2011	M	SC	2002	24	500	133422	1.985168221	3184.882199	133421.9543	1.98516822	3184.882199
2011	M	SCC	2002	24	500	11130	0.16560555	265.6873924	11130.24876	0.16560555	265.6873924
2011	M	SD	2002	24	500	35750	0.5319231	853.3848142	35750.22956	0.5319231	853.3848142
2011	M	SF	2002	24	500	70487	1.048771398	1682.584538	70487.29072	1.0487714	1682.584538
2011	M	SJV	2002	24	500	56547	0.841352631	1349.814584	56546.80097	0.84135263	1349.814584
2011	M	SS	2002	24	500	11999	0.178527481	286.4185467	11998.72393	0.17852748	286.4185467
2011	M	MD	2002	24	500	9838	0.146379112	234.8416745	9838.051527	0.14637911	234.8416745
2011	M	LT	2002	24	500	698	0.010388489	16.6666556	698.2040854	0.01038849	16.6666556
2011	M	GBV	2002	24	500	110	0.001632726	2.61944554	109.7345275	0.00163273	2.61944554
2011	S	NCC	2002	24	500	7620	0.113370145	210.7865502	7619.538826	0.11337015	210.7865502
2011	S	SV	2002	24	500	36965	0.549998285	1022.599387	36965.05174	0.54999828	1022.599387

CalendarYear	FleetSize	AirBasin	ModelYear	EquipmentType	HorsepowerBin	BaseBSFC lb fuel	BaseNOx tpd	BaseActivity hours	ScenBSFC lb fuel	ScenNOx tpd	ScenActivity hours
2011	S	LC	2002	24	500	518	0.007712059	14.33885682	518.3228064	0.00771206	14.33885682
2011	S	MC	2002	24	500	2795	0.041585612	77.31918856	2794.943788	0.04158561	77.31918856
2011	S	NC	2002	24	500	1928	0.028685527	53.33435233	1927.936901	0.02868553	53.33435233
2011	S	NEP	2002	24	500	291	0.004335068	8.060093377	291.3572729	0.00433507	8.060093377
2011	S	SC	2002	24	500	164093	2.441517824	4539.458941	164092.9349	2.44151782	4539.458941
2011	S	SCC	2002	24	500	13689	0.203674881	378.6881064	13688.86548	0.20367488	378.6881064
2011	S	SD	2002	24	500	43968	0.65420135	1216.341793	43968.47669	0.65420135	1216.341793
2011	S	SF	2002	24	500	86691	1.289862508	2398.212226	86690.87829	1.28986251	2398.212226
2011	S	SJV	2002	24	500	69546	1.034762406	1923.910368	69545.75485	1.03476241	1923.910368
2011	S	SS	2002	24	500	14757	0.219567301	408.2365224	14756.98535	0.2195673	408.2365224
2011	S	MD	2002	24	500	12100	0.180028679	334.7232559	12099.61851	0.18002868	334.7232559
2011	S	LT	2002	24	500	859	0.012776591	23.75522675	858.7069353	0.01277659	23.75522675
2011	S	GBV	2002	24	500	135	0.002008056	3.733533844	134.9602527	0.00200806	3.733533844
					TOTALS:	3278242.7	48.77655512	77249.13749	3278242.741	**48.7765551**	77249.13749
									BACK-CALCULATED NOx:	**49.1774931**	
									PERCENT DIFFERENCE:	**0.82%**	

0.367	lb/hp-hr	brake specific fuel consumption (BSFC) applies to units greater than 50 hp.
8932542	hp-hr	ScenBSFC Column divided by BFSC = ScenHP-HR
115.6329	hp	ScenHP-HR divided by ScenActivity Column
0.3618	l.f.	LoadFactor table in OFFROAD2011
319.6	hp	Average horsepower of units 250 to 500 hp

Conversions:

2000	lb/ton
453.59237	g/lb

4.51	NOx EF	EMFACUpdate table in OFFROAD2011 for 2002 MY engine 250 - 500 hp.
6.32E-05	NOx DF	EMFACUpdate table in OFFROAD2011 for 2002 MY engine 250 - 500 hp.
12000	cumulative hours	ActivityCMHrs table in OFFROAD2011 for nine year old loader.
0.948	NOx FCF	FuelCorrectionFactorUpdate table in OFFROAD2011.

EquipmentTypeID	EquipmentType	Adj ARB LF
1	A/C Tug Narrow Body	0.536
2	A/C Tug Wide Body	0.536
3	Baggage Tug	0.3685
4	Belt Loader	0.335
5	Bobtail	0.3685
6	Cargo Loader	0.335
7	Cargo Tractor	0.3618
8	Forklift (GSE)	0.201
9	Lift (GSE)	0.335
10	Other GSE	0.335
11	Bore/Drill Rigs	0.5025
12	Cranes	0.2881
13	Crawler Tractors	0.4288
14	Excavators	0.3819
15	Graders	0.4087
16	Off-Highway Tractors	0.4355
17	Off-Highway Trucks	0.3819
18	Other Construction Equipment	0.4154
19	Pavers	0.4154
20	Paving Equipment	0.3551
21	Rollers	0.3752
22	Rough Terrain Forklifts	0.402
23	Rubber Tired Dozers	0.3953
24	Rubber Tired Loaders	0.3618
25	Scrapers	0.4824
26	Skid Steer Loaders	0.3685
27	Surfacing Equipment	0.3015
28	Tractors/Loaders/Backhoes	0.3685
29	Trenchers	0.5025
30	Aerial Lifts	0.3082
31	Forklifts	0.201
32	Other General Industrial Equipment	0.3417
33	Other Material Handling Equipment	0.3953
34	Drill Rig (Mobile)	0.5025
35	Workover Rig (Mobile)	0.5025
36	Sweepers/Scrubbers	0.4556
37	Passenger Stand	0.3953

CalendarYear	SumOfScenBSFC	SumOfScenNOx	SumOfScenPM	SumOfScenHC	SumOfScenActivity	HorsepowerBin	AvgHP	NOxEF	PMEF	HCEF
2009	795484.3	13.52483	1.57837	4.209929	129500	50	46.2623	5.660592	0.660601	1.761996
2009	19444602	466.4952	40.11176	46.4795	1716383	120	85.31986	7.987483	0.686807	0.795837
2009	46050646	974.7037	53.19423	73.49095	2314949	175	149.8165	7.046909	0.384583	0.531325
2009	63466227	1132.198	37.45989	61.16232	2330841	250	205.0668	5.939387	0.19651	0.320851
2009	83019654	1414.619	52.11953	83.30651	1964818	500	318.2174	5.673101	0.209017	0.334087
2009	14597578	228.078	8.767741	13.71631	189237.3	750	580.951	5.201929	0.199972	0.312837
2009	4255953	84.21503	2.336657	4.017598	38393.36	1000	834.8455	6.588015	0.182793	0.314291
2009	1691900	31.16528	0.83582	1.488808	8433.303	9999	1510.923	6.13279	0.164475	0.292972
2010	715997.9	12.20853	1.422356	3.778545	116550	50	46.26631	5.676929	0.661391	1.757012
2010	17501371	416.7788	36.1039	41.73121	1544745	120	85.32585	7.92858	0.686821	0.793872
2010	41447725	873.8488	48.24921	66.81854	2083455	175	149.8242	7.019358	0.387571	0.536733
2010	57117512	1024.338	34.22026	56.91146	2097757	250	205.0593	5.970847	0.199469	0.331736
2010	74688392	1276.786	47.5056	77.52044	1768336	500	318.0927	5.691501	0.211765	0.345561
2010	13133606	206.5284	8.033338	12.87465	170313.5	750	580.7646	5.235492	0.203645	0.326372
2010	3830215	76.56765	2.157638	3.722718	34554.02	1000	834.8143	6.65555	0.18755	0.323593
2010	1522710	28.34703	0.774174	1.393886	7589.973	9999	1510.923	6.198009	0.169271	0.30477
2011	754771	12.74524	1.449747	3.796269	122674.6	50	46.33678	5.62205	0.639497	1.674571
2011	18411501	429.5517	37.50495	43.17995	1625920	120	85.2816	7.767622	0.678205	0.780827
2011	43620817	893.8571	49.6047	68.97781	2192938	175	149.8072	6.822383	0.378609	0.526475
2011	60110794	1065.587	35.74835	60.60215	2207992	250	205.0313	5.901987	0.198	0.335658
2011	78548830	1325.78	49.58221	82.58638	1861261	500	317.8322	5.619447	0.210159	0.35005
2011	13820018	218.6842	8.601628	14.09272	179263.4	750	580.6072	5.268301	0.207221	0.339506
2011	4031325	81.25036	2.318445	4.016673	36369.81	1000	834.7803	6.710258	0.191474	0.331727
2011	1602727	30.13776	0.837035	1.521804	7988.82	9999	1510.923	6.260559	0.173879	0.316126
2012	792466.4	13.50252	1.549871	4.061612	128799.2	50	46.33754	5.672778	0.651143	1.706394
2012	19330172	449.0382	39.34213	45.36549	1707095	120	85.27924	7.734092	0.677616	0.781361
2012	45787866	935.9932	52.28397	73.21025	2302422	175	149.7721	6.805877	0.380172	0.532333
2012	63109253	1115.192	37.69609	65.07559	2318228	250	205.0229	5.883265	0.198868	0.34331
2012	82450291	1392.057	52.55014	89.16521	1954185	500	317.7546	5.621168	0.212199	0.360052
2012	14511983	228.937	9.075095	15.20448	188213.2	750	580.6868	5.252317	0.208203	0.348824
2012	4232404	85.79728	2.470937	4.302467	38185.6	1000	834.7432	6.749137	0.194373	0.338448
2012	1682745	31.9293	0.900139	1.651664	8387.667	9999	1510.923	6.317323	0.178096	0.326788
2013	830079.8	13.87685	1.559876	4.060634	134923.8	50	46.33365	5.565867	0.625651	1.62868
2013	20245767	459.3817	40.17761	46.4028	1788270	120	85.26414	7.554422	0.660711	0.763083
2013	47955694	953.1783	53.17586	75.21843	2411906	175	149.7425	6.617528	0.369178	0.522211
2013	66102392	1147.257	39.13775	68.76043	2428463	250	204.9986	5.778371	0.197124	0.346324
2013	86341809	1428.669	54.20421	93.78424	2047110	500	317.6474	5.508992	0.209013	0.361635
2013	15223625	235.6801	9.375073	16.08219	197163.1	750	581.5109	5.154264	0.20503	0.351713
2013	4433445	89.00589	2.576008	4.489285	40001.38	1000	834.7024	6.684043	0.19345	0.33713
2013	1762762	33.68518	0.961119	1.780331	8786.514	9999	1510.923	6.362196	0.181529	0.336255
2014	866883.5	14.31514	1.585031	4.098854	141048.4	50	46.28687	5.497898	0.60875	1.574213
2014	21109684	457.9051	39.7522	46.06419	1869446	120	85.04216	7.221968	0.626962	0.726513
2014	50133312	946.0177	52.83873	75.43156	2521390	175	149.7448	6.282531	0.350904	0.500943
2014	69083373	1145.646	38.94473	70.05216	2538699	250	204.9405	5.521265	0.187688	0.337606
2014	90115610	1417.28	53.40894	94.95858	2140035	500	317.1353	5.236213	0.197322	0.350829
2014	15894821	237.4446	9.383052	16.56475	206112.9	750	580.7856	4.973574	0.19654	0.346969
2014	4634443	93.39919	2.721359	4.770944	41817.17	1000	834.6574	6.709766	0.195501	0.342743
2014	1842779	35.4518	1.022967	1.911448	9185.361	9999	1510.923	6.405115	0.18482	0.345343
2015	904482	14.95894	1.651025	4.263328	147173	50	46.28465	5.506336	0.607737	1.569317

CalendarYear	SumOfScenBSFC	SumOfScenNOx	SumOfScenPM	SumOfScenHC	SumOfScenActivity	HorsepowerBin	AvgHP	NOxEF	PMEF	HCEF
2015	22034643	469.8943	40.61848	47.39127	1950621	120	85.07433	7.099961	0.613733	0.716068
2015	52303589	959.6145	53.61854	77.39714	2630874	175	149.7259	6.108395	0.341307	0.492669
2015	72071297	1167.957	39.87548	72.90785	2648934	250	204.9069	5.395434	0.184207	0.336801
2015	93855486	1429.035	53.95714	97.71088	2232959	500	316.5514	5.069265	0.191404	0.346613
2015	16608073	234.6374	9.225203	16.80371	215062.8	750	581.5933	4.703702	0.184935	0.336859
2015	4835391	97.74798	2.864355	5.051515	43632.96	1000	834.6076	6.730355	0.197223	0.347818
2015	1922796	37.21438	1.084718	2.043659	9584.208	9999	1510.923	6.44376	0.187821	0.353865
2016	942211.7	15.42918	1.681585	4.329943	153297.7	50	46.28906	5.452003	0.594199	1.530014
2016	22940141	459.5581	39.44713	46.30203	2031796	120	85.0318	6.669698	0.572507	0.671995
2016	54469279	938.6039	52.34292	76.57778	2740358	175	149.6958	5.737102	0.31994	0.468072
2016	75064747	1158.972	39.52724	73.63873	2759170	250	204.891	5.140423	0.175316	0.326612
2016	97615496	1372.236	51.54389	95.85646	2325884	500	316.0793	4.680281	0.175801	0.326937
2016	17358799	223.7947	8.797873	16.53089	224012.6	750	583.5964	4.292318	0.168741	0.317058
2016	5036280	101.99	3.000598	5.320876	45448.74	1000	834.552	6.742323	0.198363	0.351751
2016	2002813	33.56578	0.929072	1.754828	9983.055	9999	1510.923	5.579793	0.154444	0.291713
2017	980588.9	15.78367	1.677705	4.286872	159422.3	50	46.32371	5.358989	0.569627	1.455511
2017	23857882	452.6809	38.44312	45.41443	2112971	120	85.03618	6.317162	0.536474	0.633759
2017	56653912	885.6915	49.34791	73.47903	2849842	175	149.7182	5.204923	0.290002	0.431813
2017	78083362	1120.36	38.16652	72.57634	2869405	250	204.9425	4.777063	0.162737	0.309456
2017	1.01E+08	1311.634	49.43327	94.11002	2418809	500	315.8379	4.305009	0.162249	0.308885
2017	18055835	225.9764	8.921091	16.92765	232962.4	750	583.7099	4.166846	0.164499	0.312134
2017	5237100	103.3687	3.025756	5.403018	47264.53	1000	834.4896	6.571433	0.192356	0.343485
2017	2084677	28.0939	0.671277	1.276847	10381.9	9999	1512.263	4.486781	0.107207	0.203921
2018	1018654	15.6343	1.585005	4.015649	165546.9	50	46.34162	5.109912	0.518043	1.312474
2018	24774755	412.3757	34.05524	40.82555	2194146	120	85.03725	5.541732	0.457653	0.548636
2018	58831743	773.2941	42.89501	65.5502	2959326	175	149.7216	4.376176	0.242749	0.370957
2018	81047125	1010.868	34.28384	67.43425	2979641	250	204.8515	4.152584	0.140836	0.277016
2018	1.05E+08	1193.235	44.6742	88.35773	2511733	500	315.8818	3.770988	0.141184	0.279237
2018	18743519	205.298	8.108368	15.83084	241912.3	750	583.5238	3.646661	0.144027	0.281199
2018	5431100	92.92509	2.524548	4.546652	49080.32	1000	833.3853	5.696485	0.15476	0.278718
2018	2162848	26.68439	0.580171	1.112553	10780.75	9999	1510.923	4.107648	0.089308	0.17126
2019	1056177	15.50668	1.477575	3.778938	171671.5	50	46.33442	4.888144	0.465774	1.191228
2019	25666341	391.3426	31.42409	38.41888	2275321	120	84.95454	5.07639	0.407625	0.498359
2019	61018193	708.4688	39.15897	61.46611	3068809	175	149.7458	3.865656	0.213665	0.335381
2019	84049882	950.1183	31.856	64.87774	3089876	250	204.862	3.763591	0.126187	0.256992
2019	1.09E+08	1091.752	40.75346	83.90813	2604658	500	316.0437	3.325472	0.124135	0.255584
2019	19530909	181.3558	7.11549	14.55843	250862.1	750	586.3444	3.091511	0.121295	0.248173
2019	5631499	92.72976	2.482896	4.540003	50896.1	1000	833.3067	5.482226	0.14679	0.268407
2019	2242696	27.74687	0.603995	1.180112	11179.6	9999	1510.809	4.119128	0.089665	0.175192
2020	1094125	15.53293	1.401832	3.61752	177796.1	50	46.34576	4.726594	0.426571	1.100794
2020	26590858	379.4237	29.71246	37.17013	2356496	120	84.98279	4.750659	0.372022	0.465397
2020	63188352	668.7519	36.80657	59.50741	3178293	175	149.7299	3.523626	0.193932	0.313542
2020	87020672	899.0397	29.84516	63.03243	3200112	250	204.7966	3.439682	0.114186	0.241159
2020	1.13E+08	1037.535	38.58073	82.15244	2697583	500	316.1196	3.050729	0.113441	0.241558
2020	20282502	172.1757	6.685806	14.23545	259812	750	587.9329	2.82626	0.109747	0.233675
2020	5830653	92.41115	2.436786	4.528366	52711.89	1000	833.0556	5.27678	0.139143	0.258575
2020	2322701	28.85636	0.629221	1.262113	11578.44	9999	1510.805	4.136281	0.090193	0.180912
2021	1131499	15.21318	1.251474	3.350286	183920.7	50	46.33284	4.476386	0.368239	0.985802
2021	27551013	353.003	26.48818	34.46344	2437671	120	85.11925	4.265821	0.320093	0.416469

CalendarYear	SumOfScenBSFC	SumOfScenNOx	SumOfScenPM	SumOfScenHC	SumOfScenActivity	HorsepowerBin	AvgHP	NOxEF	PMEF	HCEF
2021	65346561	613.4135	33.54525	56.25789	3287777	175	149.6876	3.125305	0.170911	0.286631
2021	90028168	814.8947	27.17398	59.78651	3310347	250	204.819	3.013595	0.100493	0.221099
2021	1.17E+08	928.723	34.66658	77.70099	2790507	500	316.8948	2.63339	0.098297	0.220321
2021	20974908	169.9779	6.587371	14.43531	268761.8	750	587.7571	2.698076	0.104562	0.229133
2021	6048477	90.53184	2.327053	4.424395	54527.67	1000	835.3999	4.983301	0.128092	0.24354
2021	2402705	29.96662	0.654491	1.345334	11977.29	9999	1510.801	4.152399	0.090691	0.18642
2022	1169715	15.00549	1.119768	3.078283	190045.3	50	46.35412	4.271023	0.31872	0.876174
2022	28472884	326.117	23.06515	31.47732	2518847	120	85.13244	3.813324	0.269703	0.368068
2022	67500681	511.749	27.5991	49.53335	3397261	175	149.6389	2.524124	0.136128	0.244316
2022	93093466	659.2349	22.11232	52.47907	3420583	250	204.9673	2.357669	0.079082	0.187685
2022	1.21E+08	799.6874	29.85869	71.91101	2883432	500	317.0309	2.193492	0.0819	0.197247
2022	21756150	139.4706	5.320019	12.79927	277711.6	750	590.0018	2.134335	0.081413	0.195869
2022	6271113	68.00467	1.40034	2.991675	56343.46	1000	838.2363	3.610405	0.074345	0.15883
2022	2482709	31.07632	0.67977	1.429614	12376.14	9999	1510.797	4.167404	0.091159	0.191714
2023	1206291	14.74845	0.990241	2.82886	196169.9	50	46.31107	4.07058	0.273307	0.780767
2023	29394561	313.7071	21.30253	30.41317	2600022	120	85.14426	3.553196	0.241283	0.344474
2023	69636494	460.6434	24.66173	46.67714	3506745	175	149.554	2.202368	0.117909	0.223167
2023	96077230	597.178	19.99711	50.28917	3530818	250	204.9323	2.069403	0.069296	0.174267
2023	1.25E+08	708.2173	26.34807	68.10065	2976357	500	317.2593	1.880591	0.069964	0.180834
2023	22492919	132.301	5.113731	12.84973	286661.5	750	590.9379	1.9583	0.075693	0.1902
2023	6465622	68.47599	1.378665	3.092152	58159.25	1000	837.2534	3.526061	0.070992	0.159225
2023	2562711	32.1838	0.705016	1.514787	12774.98	9999	1510.792	4.181187	0.091593	0.196795
2024	1243776	15.02851	0.962798	2.804497	202294.5	50	46.30453	4.022866	0.257724	0.750714
2024	30328532	307.5767	20.30936	30.24943	2681197	120	85.18989	3.376477	0.22295	0.332068
2024	71764308	407.4853	21.73469	43.97715	3616229	175	149.4576	1.89045	0.100834	0.204024
2024	99069158	539.9836	18.06702	48.69311	3641054	250	204.9164	1.814696	0.060717	0.163641
2024	1.29E+08	665.9032	24.70506	67.71969	3069281	500	317.2914	1.714523	0.063609	0.17436
2024	23210661	133.1878	5.105091	13.1984	295611.3	750	591.3326	1.910463	0.073228	0.18932
2024	6668080	70.92734	1.429801	3.31863	59975.03	1000	837.3281	3.541398	0.07139	0.165699
2024	2642712	33.39659	0.732805	1.6022	13173.83	9999	1510.787	4.207402	0.092321	0.20185
2025	1257637	14.80015	0.880293	2.700925	204674.7	50	46.27606	3.918075	0.233042	0.715021
2025	30691281	276.8333	16.67371	27.10479	2712744	120	85.20628	3.003068	0.180875	0.294031
2025	72624548	348.0578	18.37816	40.4613	3658778	175	149.4902	1.595621	0.084252	0.185489
2025	1E+08	436.2477	14.65447	44.34216	3683894	250	204.9529	1.448769	0.048667	0.147259
2025	1.31E+08	567.223	20.79148	63.18094	3105395	500	317.7181	1.441525	0.052839	0.160566
2025	23493193	118.4749	4.581728	12.56269	299089.5	750	591.5701	1.678983	0.064931	0.178034
2025	6748115	62.54633	1.053847	2.769147	60680.7	1000	837.524	3.085895	0.051994	0.136623
2025	2673796	33.99149	0.746976	1.657077	13328.84	9999	1510.781	4.232566	0.093012	0.206337
2026	1272784	14.22646	0.737557	2.472334	207055	50	46.29504	3.72138	0.192931	0.646717
2026	31075468	258.976	14.65046	25.57071	2744291	120	85.28112	2.774621	0.156962	0.27396
2026	73478874	306.7472	15.91916	38.39913	3701326	175	149.5101	1.389888	0.072131	0.173989
2026	1.01E+08	381.1347	12.94906	42.89021	3726735	250	204.8744	1.251669	0.042525	0.140854
2026	1.33E+08	524.4631	19.11961	61.93119	3141508	500	317.697	1.317622	0.048035	0.155591
2026	23792564	109.828	4.154625	12.20825	302567.7	750	592.2214	1.536858	0.058137	0.170834
2026	6827373	63.71525	1.077633	2.949595	61386.37	1000	837.62	3.107074	0.052551	0.143837
2026	2705145	33.85727	0.739202	1.492533	13483.84	9999	1510.923	4.166997	0.090978	0.183694
2027	1287182	14.23859	0.703119	2.420637	209435.2	50	46.28664	3.682892	0.181866	0.626111
2027	31425244	242.7363	12.54497	24.05942	2775838	120	85.26089	2.571685	0.132909	0.254899
2027	74348715	275.0632	13.97286	36.82471	3743875	175	149.5607	1.231745	0.062571	0.164903

CalendarYear	SumOfScenBSFC	SumOfScenNOx	SumOfScenPM	SumOfScenHC	SumOfScenActivity	HorsepowerBin	AvgHP	NOxEF	PMEF	HCEF
2027	1.03E+08	323.2244	11.22077	41.19653	3769576	250	204.8941	1.049323	0.036427	0.133741
2027	1.34E+08	472.7879	17.56584	60.85875	3177621	500	317.7	1.174287	0.043629	0.151158
2027	24057547	94.09608	3.466569	11.50262	306045.9	750	592.0116	1.302213	0.047974	0.159187
2027	6906731	64.85395	1.100276	3.123887	62092.04	1000	837.7259	3.126264	0.053038	0.150586
2027	2736242	34.35132	0.750215	1.511142	13638.84	9999	1510.923	4.179754	0.091284	0.183871
2028	1301697	13.99635	0.634036	2.334328	211815.4	50	46.2826	3.579865	0.162168	0.597054
2028	31797695	231.2234	10.96646	23.03595	2807385	120	85.30196	2.421017	0.114824	0.241197
2028	75196782	245.98	12.12649	35.38693	3786424	175	149.5669	1.089087	0.053691	0.156677
2028	1.04E+08	292.6777	10.24971	41.1205	3812417	250	204.9673	0.939143	0.032889	0.131947
2028	1.35E+08	449.8796	16.70758	61.24265	3213735	500	317.3387	1.10609	0.041078	0.150573
2028	24288127	88.70153	3.299128	11.41824	309524.1	750	590.9694	1.215903	0.045224	0.156519
2028	6985276	66.10231	1.128655	3.292656	62797.71	1000	837.732	3.150611	0.053795	0.156937
2028	2767339	34.85036	0.761995	1.560496	13793.85	9999	1510.923	4.192824	0.091675	0.187742
2029	1318779	13.93336	0.571985	2.239748	214195.6	50	46.36892	3.517594	0.144402	0.565443
2029	32174771	225.7992	10.18067	22.89696	2838932	120	85.35437	2.336516	0.105347	0.236932
2029	76095795	221.2058	10.82451	34.53263	3828973	175	149.6731	0.967827	0.04736	0.151088
2029	1.05E+08	273.4534	9.629486	41.49637	3855258	250	204.9765	0.867667	0.030554	0.131668
2029	1.37E+08	424.5485	15.84455	61.23872	3249848	500	316.9402	1.033509	0.038572	0.149078
2029	24537796	87.22084	3.237043	11.70892	313002.2	750	590.4097	1.183441	0.043921	0.15887
2029	7063164	65.81549	1.101656	3.36654	63503.38	1000	837.6601	3.102349	0.051929	0.158689
2029	2798437	26.56762	0.435185	1.070151	13948.85	9999	1510.923	3.160814	0.051775	0.127318

Note: Emissions factors have fuel correction factor incorporated.

Appendix F: Example Model Input File

```
**
****************************************
**
** ISCST3 Input Produced by:
** AERMOD View Ver. 8.0.5
** Lakes Environmental Software Inc.
** Date: 12/18/2012
** File: C:\z_AERMOD\LasPilitas\1996-HRAsite\1996-HRAsite.INP
**
****************************************
**
**
****************************************
** ISCST3 Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\z_AERMOD\LasPilitas\1996-HRAsite\1996-HRAsite.isc
   MODELOPT DFAULT CONC  RURAL
   AVERTIME 1 PERIOD
   POLLUTID PM_10
   TERRHGTS FLAT
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL 1996-H~1.ERR
CO FINISHED
**
****************************************
** ISCST3 Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION L0001634     VOLUME     720962.038  3921288.944
   LOCATION L0001635     VOLUME     720956.807  3921297.364
   LOCATION L0001636     VOLUME     720951.577  3921305.783
   LOCATION L0001637     VOLUME     720946.347  3921314.202
   LOCATION L0001638     VOLUME     720948.834  3921323.715
   LOCATION L0001639     VOLUME     720951.517  3921333.256
   LOCATION L0001640     VOLUME     720954.201  3921342.798
   LOCATION L0001641     VOLUME     720959.656  3921348.918
   LOCATION L0001642     VOLUME     720969.546  3921349.563
   LOCATION L0001643     VOLUME     720979.437  3921350.208
   LOCATION L0001644     VOLUME     720989.327  3921350.853
   LOCATION L0001645     VOLUME     720999.218  3921351.498
   LOCATION L0001646     VOLUME     721009.094  3921352.313
   LOCATION L0001647     VOLUME     721018.948  3921353.379
   LOCATION L0001648     VOLUME     721028.802  3921354.444
   LOCATION L0001649     VOLUME     721038.656  3921355.509
   LOCATION L0001650     VOLUME     721046.799  3921359.363
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LOCATION L0001651     VOLUME     721052.213  3921367.665
LOCATION L0001652     VOLUME     721057.627  3921375.967
LOCATION L0001653     VOLUME     721058.912  3921384.505
LOCATION L0001654     VOLUME     721054.480  3921393.371
LOCATION L0001655     VOLUME     721050.047  3921402.236
LOCATION L0001656     VOLUME     721045.419  3921410.861
LOCATION L0001657     VOLUME     721035.843  3921413.415
LOCATION L0001658     VOLUME     721026.266  3921415.969
LOCATION L0001659     VOLUME     721016.689  3921418.523
LOCATION L0001660     VOLUME     721010.993  3921425.562
LOCATION L0001661     VOLUME     721007.089  3921434.673
LOCATION L0001662     VOLUME     721003.185  3921443.783
LOCATION L0001663     VOLUME     721000.727  3921453.207
LOCATION L0001664     VOLUME     721000.496  3921463.116
LOCATION L0001665     VOLUME     721000.266  3921473.025
LOCATION L0001666     VOLUME     721000.035  3921482.934
LOCATION L0001667     VOLUME     720999.805  3921492.842
LOCATION VOL1         VOLUME     721000.000  3921700.000
LOCATION VOL2         VOLUME     721200.000  3921900.000
LOCATION VOL3         VOLUME     721000.000  3921900.000
LOCATION VOL4         VOLUME     721100.000  3921900.000
LOCATION VOL5         VOLUME     721100.000  3921800.000
LOCATION VOL6         VOLUME     721000.000  3921800.000
LOCATION VOL7         VOLUME     721175.000  3921825.000
LOCATION VOL8         VOLUME     720975.000  3921625.000
LOCATION VOL9         VOLUME     721025.000  3921625.000
LOCATION VOL10        VOLUME     721075.000  3921725.000
LOCATION VOL11        VOLUME     721125.000  3921725.000
LOCATION VOL12        VOLUME     720925.000  3921875.000
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LOCATION VOL14        VOLUME     720925.000  3921675.000
LOCATION VOL15        VOLUME     720925.000  3921825.000
LOCATION VOL16        VOLUME     720925.000  3921775.000
LOCATION VOL17        VOLUME     720875.000  3921775.000
LOCATION VOL18        VOLUME     720925.000  3921725.000
LOCATION VOL19        VOLUME     720975.000  3921975.000
LOCATION VOL20        VOLUME     721025.000  3921975.000
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LOCATION VOL23        VOLUME     721000.000  3921525.000
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LOCATION L0004476     VOLUME     716457.805  3918555.393
LOCATION L0004477     VOLUME     716484.145  3918573.559
LOCATION L0004478     VOLUME     716510.485  3918591.724
LOCATION L0004479     VOLUME     716536.825  3918609.890
LOCATION L0004480     VOLUME     716563.165  3918628.055
LOCATION L0004481     VOLUME     716589.505  3918646.221
LOCATION L0004482     VOLUME     716615.845  3918664.386
LOCATION L0004483     VOLUME     716642.185  3918682.552
LOCATION L0004484     VOLUME     716668.525  3918700.717
LOCATION L0004485     VOLUME     716694.865  3918718.883
LOCATION L0004486     VOLUME     716721.205  3918737.048
LOCATION L0004487     VOLUME     716747.545  3918755.213
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LOCATION L0004492	VOLUME	716879.245	3918846.041
LOCATION L0004493	VOLUME	716905.585	3918864.206
LOCATION L0004494	VOLUME	716931.925	3918882.372
LOCATION L0004495	VOLUME	716958.265	3918900.537
LOCATION L0004496	VOLUME	716984.605	3918918.703
LOCATION L0004497	VOLUME	717010.945	3918936.868
LOCATION L0004498	VOLUME	717037.284	3918955.034
LOCATION L0004499	VOLUME	717063.624	3918973.199
LOCATION L0004500	VOLUME	717089.964	3918991.365
LOCATION L0004501	VOLUME	717116.304	3919009.530
LOCATION L0004502	VOLUME	717142.644	3919027.696
LOCATION L0004503	VOLUME	717168.984	3919045.861
LOCATION L0004504	VOLUME	717195.324	3919064.027
LOCATION L0004505	VOLUME	717221.664	3919082.192
LOCATION L0004506	VOLUME	717248.004	3919100.358
LOCATION L0004507	VOLUME	717274.344	3919118.523
LOCATION L0004508	VOLUME	717300.684	3919136.689
LOCATION L0004509	VOLUME	717327.024	3919154.854
LOCATION L0004510	VOLUME	717353.364	3919173.020
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LOCATION L0004514	VOLUME	717458.724	3919245.682
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LOCATION L0004517	VOLUME	717527.928	3919310.716
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LOCATION L0004521	VOLUME	717598.925	3919211.206
LOCATION L0004522	VOLUME	717616.593	3919184.530
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LOCATION L0004524	VOLUME	717651.930	3919131.178
LOCATION L0004525	VOLUME	717669.599	3919104.503
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LOCATION L0004532	VOLUME	717819.300	3919035.536
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LOCATION L0004536	VOLUME	717928.354	3919102.526
LOCATION L0004537	VOLUME	717955.617	3919119.274
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LOCATION L0004539	VOLUME	718010.144	3919152.769
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LOCATION L0004541	VOLUME	718067.388	3919161.686

LOCATION L0004542	VOLUME	718097.651	3919151.297
LOCATION L0004543	VOLUME	718127.914	3919140.909
LOCATION L0004544	VOLUME	718158.177	3919130.520
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LOCATION L0004548	VOLUME	718279.229	3919088.965
LOCATION L0004549	VOLUME	718309.492	3919078.576
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LOCATION L0004559	VOLUME	718626.933	3919041.024
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LOCATION L0004573	VOLUME	719068.388	3918977.260
LOCATION L0004574	VOLUME	719097.999	3918965.137
LOCATION L0004575	VOLUME	719127.610	3918953.015
LOCATION L0004576	VOLUME	719157.221	3918940.892
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LOCATION L0004579	VOLUME	719246.055	3918904.524
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LOCATION L0004586	VOLUME	719453.332	3918819.665
LOCATION L0004587	VOLUME	719482.944	3918807.543
LOCATION L0004588	VOLUME	719512.555	3918795.420
LOCATION L0004589	VOLUME	719542.166	3918783.297
LOCATION L0004590	VOLUME	719571.777	3918771.175
LOCATION L0004591	VOLUME	719601.388	3918759.052
LOCATION L0004592	VOLUME	719630.999	3918746.929
LOCATION L0004593	VOLUME	719657.050	3918754.356
LOCATION L0004594	VOLUME	719680.487	3918776.139
LOCATION L0004595	VOLUME	719703.924	3918797.921

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LOCATION L0004598	VOLUME	719774.236	3918863.269
LOCATION L0004599	VOLUME	719797.673	3918885.052
LOCATION L0004600	VOLUME	719821.110	3918906.835
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LOCATION L0004603	VOLUME	719891.421	3918972.182
LOCATION L0004604	VOLUME	719914.858	3918993.965
LOCATION L0004605	VOLUME	719938.295	3919015.748
LOCATION L0004606	VOLUME	719961.732	3919037.530
LOCATION L0004607	VOLUME	719985.169	3919059.313
LOCATION L0004608	VOLUME	720001.508	3919084.283
LOCATION L0004609	VOLUME	720002.219	3919116.272
LOCATION L0004610	VOLUME	720002.930	3919148.260
LOCATION L0004611	VOLUME	720003.641	3919180.249
LOCATION L0004612	VOLUME	720004.352	3919212.238
LOCATION L0004613	VOLUME	720005.063	3919244.226
LOCATION L0004614	VOLUME	720011.156	3919274.866
LOCATION L0004615	VOLUME	720025.613	3919303.410
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LOCATION L0004617	VOLUME	720054.528	3919360.498
LOCATION L0004618	VOLUME	720068.985	3919389.042
LOCATION L0004619	VOLUME	720083.443	3919417.586
LOCATION L0004620	VOLUME	720097.900	3919446.130
LOCATION L0004621	VOLUME	720112.358	3919474.674
LOCATION L0004622	VOLUME	720126.815	3919503.219
LOCATION L0004623	VOLUME	720141.272	3919531.763
LOCATION L0004624	VOLUME	720155.730	3919560.307
LOCATION L0004625	VOLUME	720169.901	3919588.953
LOCATION L0004626	VOLUME	720176.822	3919620.192
LOCATION L0004627	VOLUME	720183.744	3919651.431
LOCATION L0004628	VOLUME	720190.665	3919682.670
LOCATION L0004629	VOLUME	720197.586	3919713.909
LOCATION L0004630	VOLUME	720204.507	3919745.148
LOCATION L0004631	VOLUME	720211.429	3919776.387
LOCATION L0004632	VOLUME	720218.350	3919807.626
LOCATION L0004633	VOLUME	720225.271	3919838.865
LOCATION L0004634	VOLUME	720232.192	3919870.104
LOCATION L0004635	VOLUME	720239.113	3919901.343
LOCATION L0004636	VOLUME	720246.035	3919932.582
LOCATION L0004637	VOLUME	720252.956	3919963.821
LOCATION L0004638	VOLUME	720259.877	3919995.060
LOCATION L0004639	VOLUME	720266.798	3920026.299
LOCATION L0004640	VOLUME	720273.719	3920057.538
LOCATION L0004641	VOLUME	720280.641	3920088.777
LOCATION L0004642	VOLUME	720287.562	3920120.016
LOCATION L0004643	VOLUME	720294.483	3920151.255
LOCATION L0004644	VOLUME	720301.404	3920182.494
LOCATION L0004645	VOLUME	720308.326	3920213.733
LOCATION L0004646	VOLUME	720315.247	3920244.972
LOCATION L0004647	VOLUME	720322.168	3920276.211
LOCATION L0004648	VOLUME	720325.365	3920307.857
LOCATION L0004649	VOLUME	720325.365	3920339.854

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  LOCATION L0004650     VOLUME     720325.365  3920371.850
  LOCATION L0004651     VOLUME     720325.365  3920403.847
  LOCATION L0004652     VOLUME     720325.365  3920435.843
  LOCATION L0004653     VOLUME     720334.302  3920465.347
  LOCATION L0004654     VOLUME     720350.866  3920492.722
  LOCATION L0004655     VOLUME     720367.429  3920520.098
  LOCATION L0004656     VOLUME     720383.993  3920547.474
  LOCATION L0004657     VOLUME     720400.556  3920574.849
  LOCATION L0004658     VOLUME     720417.120  3920602.225
  LOCATION L0004659     VOLUME     720433.683  3920629.601
  LOCATION L0004660     VOLUME     720450.247  3920656.977
  LOCATION L0004661     VOLUME     720466.810  3920684.352
  LOCATION L0004662     VOLUME     720481.618  3920712.509
  LOCATION L0004663     VOLUME     720490.857  3920743.142
  LOCATION L0004664     VOLUME     720500.096  3920773.776
  LOCATION L0004665     VOLUME     720509.335  3920804.410
  LOCATION L0004666     VOLUME     720518.574  3920835.043
  LOCATION L0004667     VOLUME     720527.812  3920865.677
  LOCATION L0004668     VOLUME     720537.051  3920896.311
  LOCATION L0004669     VOLUME     720546.290  3920926.944
  LOCATION L0004670     VOLUME     720556.812  3920956.677
  LOCATION L0004671     VOLUME     720582.502  3920975.750
  LOCATION L0004672     VOLUME     720608.192  3920994.823
  LOCATION L0004673     VOLUME     720633.883  3921013.896
  LOCATION L0004674     VOLUME     720659.573  3921032.969
  LOCATION L0004675     VOLUME     720685.263  3921052.042
  LOCATION L0004676     VOLUME     720710.954  3921071.116
  LOCATION L0004677     VOLUME     720736.644  3921090.189
  LOCATION L0004678     VOLUME     720762.334  3921109.262
  LOCATION L0004679     VOLUME     720788.025  3921128.335
  LOCATION L0004680     VOLUME     720813.715  3921147.408
  LOCATION L0004681     VOLUME     720839.405  3921166.481
  LOCATION L0004682     VOLUME     720865.096  3921185.554
  LOCATION L0004683     VOLUME     720890.786  3921204.628
  LOCATION L0004684     VOLUME     720916.476  3921223.701
  LOCATION L0004685     VOLUME     720942.167  3921242.774
  LOCATION L0004686     VOLUME     720967.857  3921261.847
** Source Parameters **
  SRCPARAM L0001634       1.0    0.000    4.610    0.230
  SRCPARAM L0001635       1.0    0.000    4.610    0.230
  SRCPARAM L0001636       1.0    0.000    4.610    0.230
  SRCPARAM L0001637       1.0    0.000    4.610    0.230
  SRCPARAM L0001638       1.0    0.000    4.610    0.230
  SRCPARAM L0001639       1.0    0.000    4.610    0.230
  SRCPARAM L0001640       1.0    0.000    4.610    0.230
  SRCPARAM L0001641       1.0    0.000    4.610    0.230
  SRCPARAM L0001642       1.0    0.000    4.610    0.230
  SRCPARAM L0001643       1.0    0.000    4.610    0.230
  SRCPARAM L0001644       1.0    0.000    4.610    0.230
  SRCPARAM L0001645       1.0    0.000    4.610    0.230
  SRCPARAM L0001646       1.0    0.000    4.610    0.230
  SRCPARAM L0001647       1.0    0.000    4.610    0.230
  SRCPARAM L0001648       1.0    0.000    4.610    0.230
  SRCPARAM L0001649       1.0    0.000    4.610    0.230
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SRCPARAM L0001650        1.0    0.000    4.610    0.230
SRCPARAM L0001651        1.0    0.000    4.610    0.230
SRCPARAM L0001652        1.0    0.000    4.610    0.230
SRCPARAM L0001653        1.0    0.000    4.610    0.230
SRCPARAM L0001654        1.0    0.000    4.610    0.230
SRCPARAM L0001655        1.0    0.000    4.610    0.230
SRCPARAM L0001656        1.0    0.000    4.610    0.230
SRCPARAM L0001657        1.0    0.000    4.610    0.230
SRCPARAM L0001658        1.0    0.000    4.610    0.230
SRCPARAM L0001659        1.0    0.000    4.610    0.230
SRCPARAM L0001660        1.0    0.000    4.610    0.230
SRCPARAM L0001661        1.0    0.000    4.610    0.230
SRCPARAM L0001662        1.0    0.000    4.610    0.230
SRCPARAM L0001663        1.0    0.000    4.610    0.230
SRCPARAM L0001664        1.0    0.000    4.610    0.230
SRCPARAM L0001665        1.0    0.000    4.610    0.230
SRCPARAM L0001666        1.0    0.000    4.610    0.230
SRCPARAM L0001667        1.0    0.000    4.610    0.230
SRCPARAM VOL1            1.0    5.000   23.256    1.000
SRCPARAM VOL2            1.0    3.000   23.256    1.000
SRCPARAM VOL3            1.0    3.000   23.256    1.000
SRCPARAM VOL4            1.0    3.000   23.256    1.000
SRCPARAM VOL5            1.0    3.000   23.256    1.000
SRCPARAM VOL6            1.0    3.000   23.256    1.000
SRCPARAM VOL7            1.0    3.000   11.628    1.000
SRCPARAM VOL8            1.0    3.000   11.628    1.000
SRCPARAM VOL9            1.0    3.000   11.628    1.000
SRCPARAM VOL10           1.0    3.000   11.628    1.000
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SRCGROUP L0004638 L0004638
SRCGROUP L0004639 L0004639
SRCGROUP L0004640 L0004640
SRCGROUP L0004641 L0004641
SRCGROUP L0004642 L0004642
SRCGROUP L0004643 L0004643
SRCGROUP L0004644 L0004644
SRCGROUP L0004645 L0004645
SRCGROUP L0004646 L0004646
SRCGROUP L0004647 L0004647
SRCGROUP L0004648 L0004648
SRCGROUP L0004649 L0004649
SRCGROUP L0004650 L0004650
SRCGROUP L0004651 L0004651
SRCGROUP L0004652 L0004652
SRCGROUP L0004653 L0004653
SRCGROUP L0004654 L0004654
SRCGROUP L0004655 L0004655
SRCGROUP L0004656 L0004656
SRCGROUP L0004657 L0004657
SRCGROUP L0004658 L0004658
SRCGROUP L0004659 L0004659
SRCGROUP L0004660 L0004660
SRCGROUP L0004661 L0004661
SRCGROUP L0004662 L0004662
SRCGROUP L0004663 L0004663
SRCGROUP L0004664 L0004664
SRCGROUP L0004665 L0004665
SRCGROUP L0004666 L0004666
SRCGROUP L0004667 L0004667
SRCGROUP L0004668 L0004668
SRCGROUP L0004669 L0004669
SRCGROUP L0004670 L0004670
SRCGROUP L0004671 L0004671
```

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  SRCGROUP L0004672 L0004672
  SRCGROUP L0004673 L0004673
  SRCGROUP L0004674 L0004674
  SRCGROUP L0004675 L0004675
  SRCGROUP L0004676 L0004676
  SRCGROUP L0004677 L0004677
  SRCGROUP L0004678 L0004678
  SRCGROUP L0004679 L0004679
  SRCGROUP L0004680 L0004680
  SRCGROUP L0004681 L0004681
  SRCGROUP L0004682 L0004682
  SRCGROUP L0004683 L0004683
  SRCGROUP L0004684 L0004684
  SRCGROUP L0004685 L0004685
  SRCGROUP L0004686 L0004686
  SRCGROUP VOL1     VOL1
  SRCGROUP VOL10    VOL10
  SRCGROUP VOL11    VOL11
  SRCGROUP VOL12    VOL12
  SRCGROUP VOL13    VOL13
  SRCGROUP VOL14    VOL14
  SRCGROUP VOL15    VOL15
  SRCGROUP VOL16    VOL16
  SRCGROUP VOL17    VOL17
  SRCGROUP VOL18    VOL18
  SRCGROUP VOL19    VOL19
  SRCGROUP VOL2     VOL2
  SRCGROUP VOL20    VOL20
  SRCGROUP VOL21    VOL21
  SRCGROUP VOL22    VOL22
  SRCGROUP VOL23    VOL23
  SRCGROUP VOL3     VOL3
  SRCGROUP VOL4     VOL4
  SRCGROUP VOL5     VOL5
  SRCGROUP VOL6     VOL6
  SRCGROUP VOL7     VOL7
  SRCGROUP VOL8     VOL8
  SRCGROUP VOL9     VOL9
SO FINISHED
**
****************************************
** ISCST3 Receptor Pathway
****************************************
**
**
RE STARTING
  GRIDCART UCART1 STA
            XYINC 720200.00 38 50.00 3920900.00 31 50.00
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
            FLAG   1    1.50    1.50    1.50    1.50    1.50    1.50
```

```
FLAG  1  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  2  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  3  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  4  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  5  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  6  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  7  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  8  1.50  1.50
FLAG  9  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  9  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  9  1.50  1.50  1.50  1.50  1.50  1.50
FLAG  9  1.50  1.50  1.50  1.50  1.50  1.50
```

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FLAG   9    1.50    1.50    1.50    1.50    1.50    1.50
FLAG   9    1.50    1.50    1.50    1.50    1.50    1.50
FLAG   9    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  10    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  11    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  12    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  13    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  14    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  15    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  16    1.50    1.50
FLAG  17    1.50    1.50    1.50    1.50    1.50    1.50
FLAG  17    1.50    1.50    1.50    1.50    1.50    1.50
```

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FLAG  17   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  17   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  17   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  17   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  17   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  18   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  19   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  20   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  21   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  22   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  23   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50   1.50   1.50   1.50   1.50
FLAG  24   1.50   1.50
```

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        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  25   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  26   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  27   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  28   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  29   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  30   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50   1.50   1.50   1.50   1.50
        FLAG  31   1.50   1.50
  GRIDCART UCART1 END
RE FINISHED
**
****************************************
** ISCST3 Meteorology Pathway
```

```
****************************************
**
**
ME STARTING
  INPUTFIL ..\..\LASPIL~1\ATA96_FV.ASC
  ANEMHGHT 10 METERS
  SURFDATA 8001 1996
  UAIRDATA 93214 1996
ME FINISHED
**
****************************************
** ISCST3 Output Pathway
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 L0001634 1ST 1996-H~1.IS\01H1G001.PLT 31
  PLOTFILE 1 L0001635 1ST 1996-H~1.IS\01H1G002.PLT 32
  PLOTFILE 1 L0001636 1ST 1996-H~1.IS\01H1G003.PLT 33
  PLOTFILE 1 L0001637 1ST 1996-H~1.IS\01H1G004.PLT 34
  PLOTFILE 1 L0001638 1ST 1996-H~1.IS\01H1G005.PLT 35
  PLOTFILE 1 L0001639 1ST 1996-H~1.IS\01H1G006.PLT 36
  PLOTFILE 1 L0001640 1ST 1996-H~1.IS\01H1G007.PLT 37
  PLOTFILE 1 L0001641 1ST 1996-H~1.IS\01H1G008.PLT 38
  PLOTFILE 1 L0001642 1ST 1996-H~1.IS\01H1G009.PLT 39
  PLOTFILE 1 L0001643 1ST 1996-H~1.IS\01H1G010.PLT 40
  PLOTFILE 1 L0001644 1ST 1996-H~1.IS\01H1G011.PLT 41
  PLOTFILE 1 L0001645 1ST 1996-H~1.IS\01H1G012.PLT 42
  PLOTFILE 1 L0001646 1ST 1996-H~1.IS\01H1G013.PLT 43
  PLOTFILE 1 L0001647 1ST 1996-H~1.IS\01H1G014.PLT 44
  PLOTFILE 1 L0001648 1ST 1996-H~1.IS\01H1G015.PLT 45
  PLOTFILE 1 L0001649 1ST 1996-H~1.IS\01H1G016.PLT 46
  PLOTFILE 1 L0001650 1ST 1996-H~1.IS\01H1G017.PLT 47
  PLOTFILE 1 L0001651 1ST 1996-H~1.IS\01H1G018.PLT 48
  PLOTFILE 1 L0001652 1ST 1996-H~1.IS\01H1G019.PLT 49
  PLOTFILE 1 L0001653 1ST 1996-H~1.IS\01H1G020.PLT 50
  PLOTFILE 1 L0001654 1ST 1996-H~1.IS\01H1G021.PLT 51
  PLOTFILE 1 L0001655 1ST 1996-H~1.IS\01H1G022.PLT 52
  PLOTFILE 1 L0001656 1ST 1996-H~1.IS\01H1G023.PLT 53
  PLOTFILE 1 L0001657 1ST 1996-H~1.IS\01H1G024.PLT 54
  PLOTFILE 1 L0001658 1ST 1996-H~1.IS\01H1G025.PLT 55
  PLOTFILE 1 L0001659 1ST 1996-H~1.IS\01H1G026.PLT 56
  PLOTFILE 1 L0001660 1ST 1996-H~1.IS\01H1G027.PLT 57
  PLOTFILE 1 L0001661 1ST 1996-H~1.IS\01H1G028.PLT 58
  PLOTFILE 1 L0001662 1ST 1996-H~1.IS\01H1G029.PLT 59
  PLOTFILE 1 L0001663 1ST 1996-H~1.IS\01H1G030.PLT 60
  PLOTFILE 1 L0001664 1ST 1996-H~1.IS\01H1G031.PLT 61
  PLOTFILE 1 L0001665 1ST 1996-H~1.IS\01H1G032.PLT 62
  PLOTFILE 1 L0001666 1ST 1996-H~1.IS\01H1G033.PLT 63
  PLOTFILE 1 L0001667 1ST 1996-H~1.IS\01H1G034.PLT 64
  PLOTFILE 1 L0004474 1ST 1996-H~1.IS\01H1G035.PLT 65
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PLOTFILE 1 L0004475 1ST 1996-H~1.IS\01H1G036.PLT 66
PLOTFILE 1 L0004476 1ST 1996-H~1.IS\01H1G037.PLT 67
PLOTFILE 1 L0004477 1ST 1996-H~1.IS\01H1G038.PLT 68
PLOTFILE 1 L0004478 1ST 1996-H~1.IS\01H1G039.PLT 69
PLOTFILE 1 L0004479 1ST 1996-H~1.IS\01H1G040.PLT 70
PLOTFILE 1 L0004480 1ST 1996-H~1.IS\01H1G041.PLT 71
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** AERMOD View Ver. 8.0.5
** Lakes Environmental Software Inc.
** Date: 12/19/2012
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  SRCPARAM L0001649    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001650    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001651    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001652    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001653    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001654    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001655    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001656    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001657    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001658    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001659    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001660    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001661    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001662    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001663    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001664    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001665    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001666    0.0028977698    0.000    4.610    0.230
  SRCPARAM L0001667    0.0028977698    0.000    4.610    0.230
  SRCPARAM VOL1       0.4967123806    5.000   23.256    1.000
  SRCPARAM VOL2            0.0    3.000   23.256    1.000
  SRCPARAM VOL3            0.0    3.000   23.256    1.000
  SRCPARAM VOL4            0.0    3.000   23.256    1.000
  SRCPARAM VOL5            0.0    3.000   23.256    1.000
  SRCPARAM VOL6       24.09696875    3.000   23.256    1.000
  SRCPARAM VOL7            0.0    3.000   11.628    1.000
  SRCPARAM VOL8       0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL9       0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL10      0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL11      0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL12           0.0    3.000   11.628    1.000
  SRCPARAM VOL13      0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL14      0.1241780951    3.000   11.628    1.000
  SRCPARAM VOL15           0.0    3.000   11.628    1.000
  SRCPARAM VOL16           0.0    3.000   11.628    1.000
  SRCPARAM VOL17           0.0    3.000   11.628    1.000
  SRCPARAM VOL18           0.0    3.000   11.628    1.000
  SRCPARAM VOL19           0.0    3.000   11.628    1.000
  SRCPARAM VOL20           0.0    3.000   11.628    1.000
  SRCPARAM VOL21           0.0    3.000   11.628    1.000
  SRCPARAM VOL22           0.0    3.000   11.628    1.000
  SRCPARAM VOL23      0.1241780951    3.000   11.628    1.000

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL3      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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```
** Winter
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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```
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Blasting"
** WeekDays:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 1.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 1.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 1.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 1.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP NoBlasti L0001634 L0001635 L0001636 L0001637 L0001638 L0001639
  SRCGROUP NoBlasti L0001640 L0001641 L0001642 L0001643 L0001644 L0001645
  SRCGROUP NoBlasti L0001646 L0001647 L0001648 L0001649 L0001650 L0001651
  SRCGROUP NoBlasti L0001652 L0001653 L0001654 L0001655 L0001656 L0001657
  SRCGROUP NoBlasti L0001658 L0001659 L0001660 L0001661 L0001662 L0001663
  SRCGROUP NoBlasti L0001664 L0001665 L0001666 L0001667 VOL1 VOL2 VOL3
  SRCGROUP NoBlasti VOL4 VOL5 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12 VOL13 VOL14
  SRCGROUP NoBlasti VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21 VOL22 VOL23
  SRCGROUP ALL
SO FINISHED
**
****************************************
** ISCST3 Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
  DISCCART   720000.00  3920875.00   0.00
  DISCCART   720050.00  3920875.00   0.00
  DISCCART   720100.00  3920875.00   0.00
  DISCCART   720150.00  3920875.00   0.00
  DISCCART   720200.00  3920875.00   0.00
  DISCCART   720250.00  3920875.00   0.00
  DISCCART   720300.00  3920875.00   0.00
  DISCCART   720350.00  3920875.00   0.00
  DISCCART   720400.00  3920875.00   0.00
  DISCCART   720450.00  3920875.00   0.00
  DISCCART   720500.00  3920875.00   0.00
  DISCCART   720550.00  3920875.00   0.00
  DISCCART   720600.00  3920875.00   0.00
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DISCCART	720650.00	3920875.00	0.00
DISCCART	720700.00	3920875.00	0.00
DISCCART	720750.00	3920875.00	0.00
DISCCART	720800.00	3920875.00	0.00
DISCCART	720850.00	3920875.00	0.00
DISCCART	720900.00	3920875.00	0.00
DISCCART	720950.00	3920875.00	0.00
DISCCART	721000.00	3920875.00	0.00
DISCCART	721050.00	3920875.00	0.00
DISCCART	721100.00	3920875.00	0.00
DISCCART	721150.00	3920875.00	0.00
DISCCART	721200.00	3920875.00	0.00
DISCCART	721250.00	3920875.00	0.00
DISCCART	721300.00	3920875.00	0.00
DISCCART	721350.00	3920875.00	0.00
DISCCART	721400.00	3920875.00	0.00
DISCCART	721450.00	3920875.00	0.00
DISCCART	721500.00	3920875.00	0.00
DISCCART	721550.00	3920875.00	0.00
DISCCART	721600.00	3920875.00	0.00
DISCCART	721650.00	3920875.00	0.00
DISCCART	721700.00	3920875.00	0.00
DISCCART	721750.00	3920875.00	0.00
DISCCART	721800.00	3920875.00	0.00
DISCCART	721850.00	3920875.00	0.00
DISCCART	721900.00	3920875.00	0.00
DISCCART	721950.00	3920875.00	0.00
DISCCART	722000.00	3920875.00	0.00
DISCCART	720000.00	3920925.00	0.00
DISCCART	720050.00	3920925.00	0.00
DISCCART	720100.00	3920925.00	0.00
DISCCART	720150.00	3920925.00	0.00
DISCCART	720200.00	3920925.00	0.00
DISCCART	720250.00	3920925.00	0.00
DISCCART	720300.00	3920925.00	0.00
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DISCCART	720450.00	3920925.00	0.00
DISCCART	720500.00	3920925.00	0.00
DISCCART	720550.00	3920925.00	0.00
DISCCART	720600.00	3920925.00	0.00
DISCCART	720650.00	3920925.00	0.00
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DISCCART	720750.00	3920925.00	0.00
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DISCCART	720850.00	3920925.00	0.00
DISCCART	720900.00	3920925.00	0.00
DISCCART	720950.00	3920925.00	0.00
DISCCART	721000.00	3920925.00	0.00
DISCCART	721050.00	3920925.00	0.00
DISCCART	721100.00	3920925.00	0.00
DISCCART	721150.00	3920925.00	0.00
DISCCART	721200.00	3920925.00	0.00
DISCCART	721250.00	3920925.00	0.00

DISCCART	721300.00	3920925.00	0.00
DISCCART	721350.00	3920925.00	0.00
DISCCART	721400.00	3920925.00	0.00
DISCCART	721450.00	3920925.00	0.00
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DISCCART	721550.00	3920925.00	0.00
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DISCCART	721700.00	3920925.00	0.00
DISCCART	721750.00	3920925.00	0.00
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DISCCART	721850.00	3920925.00	0.00
DISCCART	721900.00	3920925.00	0.00
DISCCART	721950.00	3920925.00	0.00
DISCCART	722000.00	3920925.00	0.00
DISCCART	720000.00	3920975.00	0.00
DISCCART	720050.00	3920975.00	0.00
DISCCART	720100.00	3920975.00	0.00
DISCCART	720150.00	3920975.00	0.00
DISCCART	720200.00	3920975.00	0.00
DISCCART	720250.00	3920975.00	0.00
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DISCCART	720550.00	3920975.00	0.00
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DISCCART	720650.00	3920975.00	0.00
DISCCART	720700.00	3920975.00	0.00
DISCCART	720750.00	3920975.00	0.00
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DISCCART	721150.00	3920975.00	0.00
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DISCCART	721250.00	3920975.00	0.00
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DISCCART	721450.00	3920975.00	0.00
DISCCART	721500.00	3920975.00	0.00
DISCCART	721550.00	3920975.00	0.00
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DISCCART	721650.00	3920975.00	0.00
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DISCCART	721800.00	3920975.00	0.00
DISCCART	721850.00	3920975.00	0.00
DISCCART	721900.00	3920975.00	0.00

DISCCART	721950.00	3920975.00	0.00
DISCCART	722000.00	3920975.00	0.00
DISCCART	720000.00	3921025.00	0.00
DISCCART	720050.00	3921025.00	0.00
DISCCART	720100.00	3921025.00	0.00
DISCCART	720150.00	3921025.00	0.00
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DISCCART	720500.00	3921025.00	0.00
DISCCART	720550.00	3921025.00	0.00
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DISCCART	720150.00	3921075.00	0.00
DISCCART	720200.00	3921075.00	0.00
DISCCART	720250.00	3921075.00	0.00
DISCCART	720300.00	3921075.00	0.00
DISCCART	720350.00	3921075.00	0.00
DISCCART	720400.00	3921075.00	0.00
DISCCART	720450.00	3921075.00	0.00
DISCCART	720500.00	3921075.00	0.00

DISCCART	720550.00	3921075.00	0.00
DISCCART	720600.00	3921075.00	0.00
DISCCART	720650.00	3921075.00	0.00
DISCCART	720700.00	3921075.00	0.00
DISCCART	720750.00	3921075.00	0.00
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DISCCART	720850.00	3921075.00	0.00
DISCCART	720900.00	3921075.00	0.00
DISCCART	720950.00	3921075.00	0.00
DISCCART	721000.00	3921075.00	0.00
DISCCART	721050.00	3921075.00	0.00
DISCCART	721100.00	3921075.00	0.00
DISCCART	721150.00	3921075.00	0.00
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DISCCART	721300.00	3921075.00	0.00
DISCCART	721350.00	3921075.00	0.00
DISCCART	721400.00	3921075.00	0.00
DISCCART	721450.00	3921075.00	0.00
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DISCCART	721550.00	3921075.00	0.00
DISCCART	721600.00	3921075.00	0.00
DISCCART	721650.00	3921075.00	0.00
DISCCART	721700.00	3921075.00	0.00
DISCCART	721750.00	3921075.00	0.00
DISCCART	721800.00	3921075.00	0.00
DISCCART	721850.00	3921075.00	0.00
DISCCART	721900.00	3921075.00	0.00
DISCCART	721950.00	3921075.00	0.00
DISCCART	722000.00	3921075.00	0.00
DISCCART	720000.00	3921125.00	0.00
DISCCART	720050.00	3921125.00	0.00
DISCCART	720100.00	3921125.00	0.00
DISCCART	720150.00	3921125.00	0.00
DISCCART	720200.00	3921125.00	0.00
DISCCART	720250.00	3921125.00	0.00
DISCCART	720300.00	3921125.00	0.00
DISCCART	720350.00	3921125.00	0.00
DISCCART	720400.00	3921125.00	0.00
DISCCART	720450.00	3921125.00	0.00
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DISCCART	720550.00	3921125.00	0.00
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  DISCCART   721950.00  3922475.00   0.00
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** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" "Cartesian plant boundary Primary Receptors"
  DISCCART   720521.04  3921260.70   1.50
  DISCCART   721253.98  3921188.29   1.50
  DISCCART   721271.62  3921600.25   1.50
  DISCCART   721640.05  3921560.67   1.50
  DISCCART   721678.07  3922379.71   1.50
  DISCCART   721299.00  3922425.02   1.50
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  DISCCART   721271.62  3921600.25   0.00
  DISCCART   721640.05  3921560.67   0.00
  DISCCART   721678.07  3922379.71   0.00
  DISCCART   721299.00  3922425.02   0.00
  DISCCART   721296.87  3922026.77   0.00
  DISCCART   720533.52  3922085.18   0.00
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" "Cartesian plant boundary Intermediate Receptors"
  DISCCART   720545.47  3921258.29   1.50
  DISCCART   720569.90  3921255.87   1.50
  DISCCART   720594.33  3921253.46   1.50
  DISCCART   720618.77  3921251.05   1.50
  DISCCART   720643.20  3921248.63   1.50
  DISCCART   720667.63  3921246.22   1.50
  DISCCART   720692.06  3921243.80   1.50
  DISCCART   720716.49  3921241.39   1.50
  DISCCART   720740.92  3921238.98   1.50
  DISCCART   720765.35  3921236.56   1.50
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RE FINISHED
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** ISCST3 Meteorology Pathway
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  SURFDATA 8001 1996
  UAIRDATA 93214 1996
ME FINISHED
**
****************************************
** ISCST3 Output Pathway
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**
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OU STARTING
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  RECTABLE 1 1ST-10TH
  MAXTABLE ALLAVE 999
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  PLOTFILE 1 NoBlasti 3RD NO2-1996.IS\01H3G000.PLT 36
  PLOTFILE 1 ALL 4TH NO2-1996.IS\01H4GALL.PLT 37
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  PLOTFILE 1 ALL 5TH NO2-1996.IS\01H5GALL.PLT 39
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  PLOTFILE 1 ALL 8TH NO2-1996.IS\01H8GALL.PLT 45
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  PLOTFILE 1 ALL 10TH NO2-1996.IS\0110GALL.PLT 49
  PLOTFILE 1 NoBlasti 10TH NO2-1996.IS\0110G000.PLT 50
  PLOTFILE ANNUAL ALL NO2-1996.IS\AN00GALL.PLT 51
  PLOTFILE ANNUAL NoBlasti NO2-1996.IS\AN00G000.PLT 52
OU FINISHED
**
****************************************
** Project Parameters
****************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
```

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** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     10
** ZONEINX  0
**
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**
****************************************
**
** ISCST3 Input Produced by:
** AERMOD View Ver. 8.0.5
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\z_AERMOD\LasPilitas\PM10-1996\PM10-1996.INP
**
****************************************
**
**
****************************************
** ISCST3 Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\z_AERMOD\LasPilitas\PM10-1994\PM10-1994.isc
   MODELOPT DFAULT CONC  RURAL
   AVERTIME 24 ANNUAL
   POLLUTID PM_10
   TERRHGTS FLAT
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL PM10-1~1.ERR
CO FINISHED
**
****************************************
** ISCST3 Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION L0001634     VOLUME     720962.038  3921288.944
   LOCATION L0001635     VOLUME     720956.807  3921297.364
   LOCATION L0001636     VOLUME     720951.577  3921305.783
   LOCATION L0001637     VOLUME     720946.347  3921314.202
   LOCATION L0001638     VOLUME     720948.834  3921323.715
   LOCATION L0001639     VOLUME     720951.517  3921333.256
   LOCATION L0001640     VOLUME     720954.201  3921342.798
   LOCATION L0001641     VOLUME     720959.656  3921348.918
   LOCATION L0001642     VOLUME     720969.546  3921349.563
   LOCATION L0001643     VOLUME     720979.437  3921350.208
   LOCATION L0001644     VOLUME     720989.327  3921350.853
   LOCATION L0001645     VOLUME     720999.218  3921351.498
   LOCATION L0001646     VOLUME     721009.094  3921352.313
   LOCATION L0001647     VOLUME     721018.948  3921353.379
   LOCATION L0001648     VOLUME     721028.802  3921354.444
   LOCATION L0001649     VOLUME     721038.656  3921355.509
   LOCATION L0001650     VOLUME     721046.799  3921359.363
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LOCATION L0001651     VOLUME     721052.213  3921367.665
LOCATION L0001652     VOLUME     721057.627  3921375.967
LOCATION L0001653     VOLUME     721058.912  3921384.505
LOCATION L0001654     VOLUME     721054.480  3921393.371
LOCATION L0001655     VOLUME     721050.047  3921402.236
LOCATION L0001656     VOLUME     721045.419  3921410.861
LOCATION L0001657     VOLUME     721035.843  3921413.415
LOCATION L0001658     VOLUME     721026.266  3921415.969
LOCATION L0001659     VOLUME     721016.689  3921418.523
LOCATION L0001660     VOLUME     721010.993  3921425.562
LOCATION L0001661     VOLUME     721007.089  3921434.673
LOCATION L0001662     VOLUME     721003.185  3921443.783
LOCATION L0001663     VOLUME     721000.727  3921453.207
LOCATION L0001664     VOLUME     721000.496  3921463.116
LOCATION L0001665     VOLUME     721000.266  3921473.025
LOCATION L0001666     VOLUME     721000.035  3921482.934
LOCATION L0001667     VOLUME     720999.805  3921492.842
LOCATION VOL1         VOLUME     721000.000  3921700.000
LOCATION VOL2         VOLUME     721200.000  3921900.000
LOCATION VOL3         VOLUME     721000.000  3921900.000
LOCATION VOL4         VOLUME     721100.000  3921900.000
LOCATION VOL5         VOLUME     721100.000  3921800.000
LOCATION VOL6         VOLUME     721000.000  3921800.000
LOCATION VOL7         VOLUME     721175.000  3921825.000
LOCATION VOL8         VOLUME     720975.000  3921625.000
LOCATION VOL9         VOLUME     721025.000  3921625.000
LOCATION VOL10        VOLUME     721075.000  3921725.000
LOCATION VOL11        VOLUME     721125.000  3921725.000
LOCATION VOL12        VOLUME     720925.000  3921875.000
LOCATION VOL13        VOLUME     721025.000  3921575.000
LOCATION VOL14        VOLUME     720925.000  3921675.000
LOCATION VOL15        VOLUME     720925.000  3921825.000
LOCATION VOL16        VOLUME     720925.000  3921775.000
LOCATION VOL17        VOLUME     720875.000  3921775.000
LOCATION VOL18        VOLUME     720925.000  3921725.000
LOCATION VOL19        VOLUME     720975.000  3921975.000
LOCATION VOL20        VOLUME     721025.000  3921975.000
LOCATION VOL21        VOLUME     721075.000  3921975.000
LOCATION VOL22        VOLUME     721125.000  3921975.000
LOCATION VOL23        VOLUME     721000.000  3921525.000
** Source Parameters **
SRCPARAM L0001634     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001635     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001636     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001637     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001638     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001639     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001640     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001641     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001642     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001643     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001644     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001645     0.0006978827     0.000     4.610     0.230
SRCPARAM L0001646     0.0006978827     0.000     4.610     0.230
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  SRCPARAM L0001647    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001648    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001649    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001650    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001651    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001652    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001653    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001654    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001655    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001656    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001657    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001658    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001659    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001660    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001661    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001662    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001663    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001664    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001665    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001666    0.0006978827    0.000    4.610    0.230
  SRCPARAM L0001667    0.0006978827    0.000    4.610    0.230
  SRCPARAM VOL1       0.2487366823    5.000   23.256    1.000
  SRCPARAM VOL2            0.0    3.000   23.256    1.000
  SRCPARAM VOL3            0.0    3.000   23.256    1.000
  SRCPARAM VOL4            0.0    3.000   23.256    1.000
  SRCPARAM VOL5            0.0    3.000   23.256    1.000
  SRCPARAM VOL6       0.9172597778    3.000   23.256    1.000
  SRCPARAM VOL7            0.0    3.000   11.628    1.000
  SRCPARAM VOL8       0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL9       0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL10      0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL11      0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL12           0.0    3.000   11.628    1.000
  SRCPARAM VOL13      0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL14      0.0621841706    3.000   11.628    1.000
  SRCPARAM VOL15           0.0    3.000   11.628    1.000
  SRCPARAM VOL16           0.0    3.000   11.628    1.000
  SRCPARAM VOL17           0.0    3.000   11.628    1.000
  SRCPARAM VOL18           0.0    3.000   11.628    1.000
  SRCPARAM VOL19           0.0    3.000   11.628    1.000
  SRCPARAM VOL20           0.0    3.000   11.628    1.000
  SRCPARAM VOL21           0.0    3.000   11.628    1.000
  SRCPARAM VOL22           0.0    3.000   11.628    1.000
  SRCPARAM VOL23      0.0621841706    3.000   11.628    1.000

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

```
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Blasting"
** WeekDays:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP NoBlasti L0001634 L0001635 L0001636 L0001637 L0001638 L0001639
  SRCGROUP NoBlasti L0001640 L0001641 L0001642 L0001643 L0001644 L0001645
  SRCGROUP NoBlasti L0001646 L0001647 L0001648 L0001649 L0001650 L0001651
  SRCGROUP NoBlasti L0001652 L0001653 L0001654 L0001655 L0001656 L0001657
  SRCGROUP NoBlasti L0001658 L0001659 L0001660 L0001661 L0001662 L0001663
  SRCGROUP NoBlasti L0001664 L0001665 L0001666 L0001667 VOL1 VOL2 VOL3
  SRCGROUP NoBlasti VOL4 VOL5 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12 VOL13 VOL14
  SRCGROUP NoBlasti VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21 VOL22 VOL23
  SRCGROUP ALL
SO FINISHED
**
****************************************
** ISCST3 Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
  DISCCART    720000.00   3920875.00    1.50
  DISCCART    720050.00   3920875.00    1.50
  DISCCART    720100.00   3920875.00    1.50
  DISCCART    720150.00   3920875.00    1.50
  DISCCART    720200.00   3920875.00    1.50
  DISCCART    720250.00   3920875.00    1.50
  DISCCART    720300.00   3920875.00    1.50
  DISCCART    720350.00   3920875.00    1.50
  DISCCART    720400.00   3920875.00    1.50
  DISCCART    720450.00   3920875.00    1.50
  DISCCART    720500.00   3920875.00    1.50
  DISCCART    720550.00   3920875.00    1.50
  DISCCART    720600.00   3920875.00    1.50
```

DISCCART	720650.00	3920875.00	1.50
DISCCART	720700.00	3920875.00	1.50
DISCCART	720750.00	3920875.00	1.50
DISCCART	720800.00	3920875.00	1.50
DISCCART	720850.00	3920875.00	1.50
DISCCART	720900.00	3920875.00	1.50
DISCCART	720950.00	3920875.00	1.50
DISCCART	721000.00	3920875.00	1.50
DISCCART	721050.00	3920875.00	1.50
DISCCART	721100.00	3920875.00	1.50
DISCCART	721150.00	3920875.00	1.50
DISCCART	721200.00	3920875.00	1.50
DISCCART	721250.00	3920875.00	1.50
DISCCART	721300.00	3920875.00	1.50
DISCCART	721350.00	3920875.00	1.50
DISCCART	721400.00	3920875.00	1.50
DISCCART	721450.00	3920875.00	1.50
DISCCART	721500.00	3920875.00	1.50
DISCCART	721550.00	3920875.00	1.50
DISCCART	721600.00	3920875.00	1.50
DISCCART	721650.00	3920875.00	1.50
DISCCART	721700.00	3920875.00	1.50
DISCCART	721750.00	3920875.00	1.50
DISCCART	721800.00	3920875.00	1.50
DISCCART	721850.00	3920875.00	1.50
DISCCART	721900.00	3920875.00	1.50
DISCCART	721950.00	3920875.00	1.50
DISCCART	722000.00	3920875.00	1.50
DISCCART	720000.00	3920925.00	1.50
DISCCART	720050.00	3920925.00	1.50
DISCCART	720100.00	3920925.00	1.50
DISCCART	720150.00	3920925.00	1.50
DISCCART	720200.00	3920925.00	1.50
DISCCART	720250.00	3920925.00	1.50
DISCCART	720300.00	3920925.00	1.50
DISCCART	720350.00	3920925.00	1.50
DISCCART	720400.00	3920925.00	1.50
DISCCART	720450.00	3920925.00	1.50
DISCCART	720500.00	3920925.00	1.50
DISCCART	720550.00	3920925.00	1.50
DISCCART	720600.00	3920925.00	1.50
DISCCART	720650.00	3920925.00	1.50
DISCCART	720700.00	3920925.00	1.50
DISCCART	720750.00	3920925.00	1.50
DISCCART	720800.00	3920925.00	1.50
DISCCART	720850.00	3920925.00	1.50
DISCCART	720900.00	3920925.00	1.50
DISCCART	720950.00	3920925.00	1.50
DISCCART	721000.00	3920925.00	1.50
DISCCART	721050.00	3920925.00	1.50
DISCCART	721100.00	3920925.00	1.50
DISCCART	721150.00	3920925.00	1.50
DISCCART	721200.00	3920925.00	1.50
DISCCART	721250.00	3920925.00	1.50

DISCCART	721300.00	3920925.00	1.50
DISCCART	721350.00	3920925.00	1.50
DISCCART	721400.00	3920925.00	1.50
DISCCART	721450.00	3920925.00	1.50
DISCCART	721500.00	3920925.00	1.50
DISCCART	721550.00	3920925.00	1.50
DISCCART	721600.00	3920925.00	1.50
DISCCART	721650.00	3920925.00	1.50
DISCCART	721700.00	3920925.00	1.50
DISCCART	721750.00	3920925.00	1.50
DISCCART	721800.00	3920925.00	1.50
DISCCART	721850.00	3920925.00	1.50
DISCCART	721900.00	3920925.00	1.50
DISCCART	721950.00	3920925.00	1.50
DISCCART	722000.00	3920925.00	1.50
DISCCART	720000.00	3920975.00	1.50
DISCCART	720050.00	3920975.00	1.50
DISCCART	720100.00	3920975.00	1.50
DISCCART	720150.00	3920975.00	1.50
DISCCART	720200.00	3920975.00	1.50
DISCCART	720250.00	3920975.00	1.50
DISCCART	720300.00	3920975.00	1.50
DISCCART	720350.00	3920975.00	1.50
DISCCART	720400.00	3920975.00	1.50
DISCCART	720450.00	3920975.00	1.50
DISCCART	720500.00	3920975.00	1.50
DISCCART	720550.00	3920975.00	1.50
DISCCART	720600.00	3920975.00	1.50
DISCCART	720650.00	3920975.00	1.50
DISCCART	720700.00	3920975.00	1.50
DISCCART	720750.00	3920975.00	1.50
DISCCART	720800.00	3920975.00	1.50
DISCCART	720850.00	3920975.00	1.50
DISCCART	720900.00	3920975.00	1.50
DISCCART	720950.00	3920975.00	1.50
DISCCART	721000.00	3920975.00	1.50
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  DISCCART   722000.00  3922475.00   1.50
** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" "Cartesian plant boundary Primary Receptors"
  DISCCART   720521.04  3921260.70   1.50
  DISCCART   721253.98  3921188.29   1.50
  DISCCART   721271.62  3921600.25   1.50
  DISCCART   721640.05  3921560.67   1.50
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  DISCCART    720533.52   3922085.18    1.50
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" "Cartesian plant boundary Intermediate Receptors"
  DISCCART    720545.47   3921258.29    1.50
  DISCCART    720569.90   3921255.87    1.50
  DISCCART    720594.33   3921253.46    1.50
  DISCCART    720618.77   3921251.05    1.50
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  DISCCART    720716.49   3921241.39    1.50
  DISCCART    720740.92   3921238.98    1.50
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  DISCCART    720789.78   3921234.15    1.50
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  DISCCART    720985.24   3921214.84    1.50
  DISCCART    721009.67   3921212.43    1.50
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  DISCCART    721255.02   3921212.52    1.50
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  DISCCART    721262.28   3921382.15    1.50
  DISCCART    721263.32   3921406.39    1.50
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  SURFDATA 8001 1996
  UAIRDATA 93214 1996
ME FINISHED
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** ISCST3 Output Pathway
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  RECTABLE 24 1ST 4TH
** Auto-Generated Plotfiles
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  PLOTFILE 24 NoBlasti 1ST PM10-1~1.IS\24H1G001.PLT 32
  PLOTFILE 24 ALL 4TH PM10-1~1.IS\24H4GALL.PLT 33
  PLOTFILE 24 NoBlasti 4TH PM10-1~1.IS\24H4G000.PLT 34
  PLOTFILE ANNUAL ALL PM10-1~1.IS\AN00GALL.PLT 35
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   PLOTFILE ANNUAL NoBlasti PM10-1~1.IS\AN00G000.PLT 36
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     10
** ZONEINX  0
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** ISCST3 Input Produced by:
** AERMOD View Ver. 8.0.5
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\z_AERMOD\LasPilitas\PM25-1996\PM25-1996.INP
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** ISCST3 Control Pathway
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CO STARTING
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   MODELOPT DFAULT CONC  RURAL
   AVERTIME 24 ANNUAL
   POLLUTID PM_2.5
   TERRHGTS FLAT
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL PM25-1~3.ERR
CO FINISHED
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** ISCST3 Source Pathway
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION L0001634     VOLUME     720962.038  3921288.944
   LOCATION L0001635     VOLUME     720956.807  3921297.364
   LOCATION L0001636     VOLUME     720951.577  3921305.783
   LOCATION L0001637     VOLUME     720946.347  3921314.202
   LOCATION L0001638     VOLUME     720948.834  3921323.715
   LOCATION L0001639     VOLUME     720951.517  3921333.256
   LOCATION L0001640     VOLUME     720954.201  3921342.798
   LOCATION L0001641     VOLUME     720959.656  3921348.918
   LOCATION L0001642     VOLUME     720969.546  3921349.563
   LOCATION L0001643     VOLUME     720979.437  3921350.208
   LOCATION L0001644     VOLUME     720989.327  3921350.853
   LOCATION L0001645     VOLUME     720999.218  3921351.498
   LOCATION L0001646     VOLUME     721009.094  3921352.313
   LOCATION L0001647     VOLUME     721018.948  3921353.379
   LOCATION L0001648     VOLUME     721028.802  3921354.444
   LOCATION L0001649     VOLUME     721038.656  3921355.509
   LOCATION L0001650     VOLUME     721046.799  3921359.363
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LOCATION L0001651     VOLUME     721052.213  3921367.665
LOCATION L0001652     VOLUME     721057.627  3921375.967
LOCATION L0001653     VOLUME     721058.912  3921384.505
LOCATION L0001654     VOLUME     721054.480  3921393.371
LOCATION L0001655     VOLUME     721050.047  3921402.236
LOCATION L0001656     VOLUME     721045.419  3921410.861
LOCATION L0001657     VOLUME     721035.843  3921413.415
LOCATION L0001658     VOLUME     721026.266  3921415.969
LOCATION L0001659     VOLUME     721016.689  3921418.523
LOCATION L0001660     VOLUME     721010.993  3921425.562
LOCATION L0001661     VOLUME     721007.089  3921434.673
LOCATION L0001662     VOLUME     721003.185  3921443.783
LOCATION L0001663     VOLUME     721000.727  3921453.207
LOCATION L0001664     VOLUME     721000.496  3921463.116
LOCATION L0001665     VOLUME     721000.266  3921473.025
LOCATION L0001666     VOLUME     721000.035  3921482.934
LOCATION L0001667     VOLUME     720999.805  3921492.842
LOCATION VOL1         VOLUME     721000.000  3921700.000
LOCATION VOL2         VOLUME     721200.000  3921900.000
LOCATION VOL3         VOLUME     721000.000  3921900.000
LOCATION VOL4         VOLUME     721100.000  3921900.000
LOCATION VOL5         VOLUME     721100.000  3921800.000
LOCATION VOL6         VOLUME     721000.000  3921800.000
LOCATION VOL7         VOLUME     721175.000  3921825.000
LOCATION VOL8         VOLUME     720975.000  3921625.000
LOCATION VOL9         VOLUME     721025.000  3921625.000
LOCATION VOL10        VOLUME     721075.000  3921725.000
LOCATION VOL11        VOLUME     721125.000  3921725.000
LOCATION VOL12        VOLUME     720925.000  3921875.000
LOCATION VOL13        VOLUME     721025.000  3921575.000
LOCATION VOL14        VOLUME     720925.000  3921675.000
LOCATION VOL15        VOLUME     720925.000  3921825.000
LOCATION VOL16        VOLUME     720925.000  3921775.000
LOCATION VOL17        VOLUME     720875.000  3921775.000
LOCATION VOL18        VOLUME     720925.000  3921725.000
LOCATION VOL19        VOLUME     720975.000  3921975.000
LOCATION VOL20        VOLUME     721025.000  3921975.000
LOCATION VOL21        VOLUME     721075.000  3921975.000
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** Source Parameters **
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SRCPARAM L0001642     0.0002636277     0.000     4.610     0.230
SRCPARAM L0001643     0.0002636277     0.000     4.610     0.230
SRCPARAM L0001644     0.0002636277     0.000     4.610     0.230
SRCPARAM L0001645     0.0002636277     0.000     4.610     0.230
SRCPARAM L0001646     0.0002636277     0.000     4.610     0.230
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  SRCPARAM L0001647    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001648    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001649    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001650    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001651    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001652    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001653    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001654    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001655    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001656    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001657    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001658    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001659    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001660    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001661    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001662    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001663    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001664    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001665    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001666    0.0002636277    0.000    4.610    0.230
  SRCPARAM L0001667    0.0002636277    0.000    4.610    0.230
  SRCPARAM VOL1       0.0728877249    5.000   23.256    1.000
  SRCPARAM VOL2            0.0    3.000   23.256    1.000
  SRCPARAM VOL3            0.0    3.000   23.256    1.000
  SRCPARAM VOL4            0.0    3.000   23.256    1.000
  SRCPARAM VOL5            0.0    3.000   23.256    1.000
  SRCPARAM VOL6       0.0529188333    3.000   23.256    1.000
  SRCPARAM VOL7            0.0    3.000   11.628    1.000
  SRCPARAM VOL8       0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL9       0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL10      0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL11      0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL12           0.0    3.000   11.628    1.000
  SRCPARAM VOL13      0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL14      0.0182219312    3.000   11.628    1.000
  SRCPARAM VOL15           0.0    3.000   11.628    1.000
  SRCPARAM VOL16           0.0    3.000   11.628    1.000
  SRCPARAM VOL17           0.0    3.000   11.628    1.000
  SRCPARAM VOL18           0.0    3.000   11.628    1.000
  SRCPARAM VOL19           0.0    3.000   11.628    1.000
  SRCPARAM VOL20           0.0    3.000   11.628    1.000
  SRCPARAM VOL21           0.0    3.000   11.628    1.000
  SRCPARAM VOL22           0.0    3.000   11.628    1.000
  SRCPARAM VOL23      0.0182219312    3.000   11.628    1.000

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001634    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001635    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001636    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001637    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001638    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001639    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001640    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001641     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642     SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001642    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001643    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001644    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001645    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001646    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001647    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001648    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001649    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001650    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001651    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001652    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001653    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001654    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001655    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001656    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001657    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001658    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001659    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001660    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001661    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001662    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001663    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001664    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001665    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001666    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0001667    SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL1       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL3      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL11      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL12      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL13      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL14      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL15      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL16      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL17      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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** Winter
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL18      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL19      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL23      SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Season / Hour / Day (SHRDOW)"
** Variable Emission Scenario: "Blasting"
** WeekDays:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 1.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** Winter
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Spring
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Summer
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Fall
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL6       SHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP Noblasti L0001634 L0001635 L0001636 L0001637 L0001638 L0001639
  SRCGROUP Noblasti L0001640 L0001641 L0001642 L0001643 L0001644 L0001645
  SRCGROUP Noblasti L0001646 L0001647 L0001648 L0001649 L0001650 L0001651
  SRCGROUP Noblasti L0001652 L0001653 L0001654 L0001655 L0001656 L0001657
  SRCGROUP Noblasti L0001658 L0001659 L0001660 L0001661 L0001662 L0001663
  SRCGROUP Noblasti L0001664 L0001665 L0001666 L0001667 VOL1 VOL2 VOL3
  SRCGROUP Noblasti VOL4 VOL5 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12 VOL13 VOL14
  SRCGROUP Noblasti VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21 VOL22 VOL23
  SRCGROUP ALL
SO FINISHED
**
****************************************
** ISCST3 Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
  DISCCART    720000.00   3920875.00    1.50
  DISCCART    720050.00   3920875.00    1.50
  DISCCART    720100.00   3920875.00    1.50
  DISCCART    720150.00   3920875.00    1.50
  DISCCART    720200.00   3920875.00    1.50
  DISCCART    720250.00   3920875.00    1.50
  DISCCART    720300.00   3920875.00    1.50
  DISCCART    720350.00   3920875.00    1.50
  DISCCART    720400.00   3920875.00    1.50
  DISCCART    720450.00   3920875.00    1.50
  DISCCART    720500.00   3920875.00    1.50
  DISCCART    720550.00   3920875.00    1.50
  DISCCART    720600.00   3920875.00    1.50
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DISCCART	720650.00	3920875.00	1.50
DISCCART	720700.00	3920875.00	1.50
DISCCART	720750.00	3920875.00	1.50
DISCCART	720800.00	3920875.00	1.50
DISCCART	720850.00	3920875.00	1.50
DISCCART	720900.00	3920875.00	1.50
DISCCART	720950.00	3920875.00	1.50
DISCCART	721000.00	3920875.00	1.50
DISCCART	721050.00	3920875.00	1.50
DISCCART	721100.00	3920875.00	1.50
DISCCART	721150.00	3920875.00	1.50
DISCCART	721200.00	3920875.00	1.50
DISCCART	721250.00	3920875.00	1.50
DISCCART	721300.00	3920875.00	1.50
DISCCART	721350.00	3920875.00	1.50
DISCCART	721400.00	3920875.00	1.50
DISCCART	721450.00	3920875.00	1.50
DISCCART	721500.00	3920875.00	1.50
DISCCART	721550.00	3920875.00	1.50
DISCCART	721600.00	3920875.00	1.50
DISCCART	721650.00	3920875.00	1.50
DISCCART	721700.00	3920875.00	1.50
DISCCART	721750.00	3920875.00	1.50
DISCCART	721800.00	3920875.00	1.50
DISCCART	721850.00	3920875.00	1.50
DISCCART	721900.00	3920875.00	1.50
DISCCART	721950.00	3920875.00	1.50
DISCCART	722000.00	3920875.00	1.50
DISCCART	720000.00	3920925.00	1.50
DISCCART	720050.00	3920925.00	1.50
DISCCART	720100.00	3920925.00	1.50
DISCCART	720150.00	3920925.00	1.50
DISCCART	720200.00	3920925.00	1.50
DISCCART	720250.00	3920925.00	1.50
DISCCART	720300.00	3920925.00	1.50
DISCCART	720350.00	3920925.00	1.50
DISCCART	720400.00	3920925.00	1.50
DISCCART	720450.00	3920925.00	1.50
DISCCART	720500.00	3920925.00	1.50
DISCCART	720550.00	3920925.00	1.50
DISCCART	720600.00	3920925.00	1.50
DISCCART	720650.00	3920925.00	1.50
DISCCART	720700.00	3920925.00	1.50
DISCCART	720750.00	3920925.00	1.50
DISCCART	720800.00	3920925.00	1.50
DISCCART	720850.00	3920925.00	1.50
DISCCART	720900.00	3920925.00	1.50
DISCCART	720950.00	3920925.00	1.50
DISCCART	721000.00	3920925.00	1.50
DISCCART	721050.00	3920925.00	1.50
DISCCART	721100.00	3920925.00	1.50
DISCCART	721150.00	3920925.00	1.50
DISCCART	721200.00	3920925.00	1.50
DISCCART	721250.00	3920925.00	1.50

DISCCART	721300.00	3920925.00	1.50
DISCCART	721350.00	3920925.00	1.50
DISCCART	721400.00	3920925.00	1.50
DISCCART	721450.00	3920925.00	1.50
DISCCART	721500.00	3920925.00	1.50
DISCCART	721550.00	3920925.00	1.50
DISCCART	721600.00	3920925.00	1.50
DISCCART	721650.00	3920925.00	1.50
DISCCART	721700.00	3920925.00	1.50
DISCCART	721750.00	3920925.00	1.50
DISCCART	721800.00	3920925.00	1.50
DISCCART	721850.00	3920925.00	1.50
DISCCART	721900.00	3920925.00	1.50
DISCCART	721950.00	3920925.00	1.50
DISCCART	722000.00	3920925.00	1.50
DISCCART	720000.00	3920975.00	1.50
DISCCART	720050.00	3920975.00	1.50
DISCCART	720100.00	3920975.00	1.50
DISCCART	720150.00	3920975.00	1.50
DISCCART	720200.00	3920975.00	1.50
DISCCART	720250.00	3920975.00	1.50
DISCCART	720300.00	3920975.00	1.50
DISCCART	720350.00	3920975.00	1.50
DISCCART	720400.00	3920975.00	1.50
DISCCART	720450.00	3920975.00	1.50
DISCCART	720500.00	3920975.00	1.50
DISCCART	720550.00	3920975.00	1.50
DISCCART	720600.00	3920975.00	1.50
DISCCART	720650.00	3920975.00	1.50
DISCCART	720700.00	3920975.00	1.50
DISCCART	720750.00	3920975.00	1.50
DISCCART	720800.00	3920975.00	1.50
DISCCART	720850.00	3920975.00	1.50
DISCCART	720900.00	3920975.00	1.50
DISCCART	720950.00	3920975.00	1.50
DISCCART	721000.00	3920975.00	1.50
DISCCART	721050.00	3920975.00	1.50
DISCCART	721100.00	3920975.00	1.50
DISCCART	721150.00	3920975.00	1.50
DISCCART	721200.00	3920975.00	1.50
DISCCART	721250.00	3920975.00	1.50
DISCCART	721300.00	3920975.00	1.50
DISCCART	721350.00	3920975.00	1.50
DISCCART	721400.00	3920975.00	1.50
DISCCART	721450.00	3920975.00	1.50
DISCCART	721500.00	3920975.00	1.50
DISCCART	721550.00	3920975.00	1.50
DISCCART	721600.00	3920975.00	1.50
DISCCART	721650.00	3920975.00	1.50
DISCCART	721700.00	3920975.00	1.50
DISCCART	721750.00	3920975.00	1.50
DISCCART	721800.00	3920975.00	1.50
DISCCART	721850.00	3920975.00	1.50
DISCCART	721900.00	3920975.00	1.50

DISCCART	721950.00	3920975.00	1.50
DISCCART	722000.00	3920975.00	1.50
DISCCART	720000.00	3921025.00	1.50
DISCCART	720050.00	3921025.00	1.50
DISCCART	720100.00	3921025.00	1.50
DISCCART	720150.00	3921025.00	1.50
DISCCART	720200.00	3921025.00	1.50
DISCCART	720250.00	3921025.00	1.50
DISCCART	720300.00	3921025.00	1.50
DISCCART	720350.00	3921025.00	1.50
DISCCART	720400.00	3921025.00	1.50
DISCCART	720450.00	3921025.00	1.50
DISCCART	720500.00	3921025.00	1.50
DISCCART	720550.00	3921025.00	1.50
DISCCART	720600.00	3921025.00	1.50
DISCCART	720650.00	3921025.00	1.50
DISCCART	720700.00	3921025.00	1.50
DISCCART	720750.00	3921025.00	1.50
DISCCART	720800.00	3921025.00	1.50
DISCCART	720850.00	3921025.00	1.50
DISCCART	720900.00	3921025.00	1.50
DISCCART	720950.00	3921025.00	1.50
DISCCART	721000.00	3921025.00	1.50
DISCCART	721050.00	3921025.00	1.50
DISCCART	721100.00	3921025.00	1.50
DISCCART	721150.00	3921025.00	1.50
DISCCART	721200.00	3921025.00	1.50
DISCCART	721250.00	3921025.00	1.50
DISCCART	721300.00	3921025.00	1.50
DISCCART	721350.00	3921025.00	1.50
DISCCART	721400.00	3921025.00	1.50
DISCCART	721450.00	3921025.00	1.50
DISCCART	721500.00	3921025.00	1.50
DISCCART	721550.00	3921025.00	1.50
DISCCART	721600.00	3921025.00	1.50
DISCCART	721650.00	3921025.00	1.50
DISCCART	721700.00	3921025.00	1.50
DISCCART	721750.00	3921025.00	1.50
DISCCART	721800.00	3921025.00	1.50
DISCCART	721850.00	3921025.00	1.50
DISCCART	721900.00	3921025.00	1.50
DISCCART	721950.00	3921025.00	1.50
DISCCART	722000.00	3921025.00	1.50
DISCCART	720000.00	3921075.00	1.50
DISCCART	720050.00	3921075.00	1.50
DISCCART	720100.00	3921075.00	1.50
DISCCART	720150.00	3921075.00	1.50
DISCCART	720200.00	3921075.00	1.50
DISCCART	720250.00	3921075.00	1.50
DISCCART	720300.00	3921075.00	1.50
DISCCART	720350.00	3921075.00	1.50
DISCCART	720400.00	3921075.00	1.50
DISCCART	720450.00	3921075.00	1.50
DISCCART	720500.00	3921075.00	1.50

DISCCART	720550.00	3921075.00	1.50
DISCCART	720600.00	3921075.00	1.50
DISCCART	720650.00	3921075.00	1.50
DISCCART	720700.00	3921075.00	1.50
DISCCART	720750.00	3921075.00	1.50
DISCCART	720800.00	3921075.00	1.50
DISCCART	720850.00	3921075.00	1.50
DISCCART	720900.00	3921075.00	1.50
DISCCART	720950.00	3921075.00	1.50
DISCCART	721000.00	3921075.00	1.50
DISCCART	721050.00	3921075.00	1.50
DISCCART	721100.00	3921075.00	1.50
DISCCART	721150.00	3921075.00	1.50
DISCCART	721200.00	3921075.00	1.50
DISCCART	721250.00	3921075.00	1.50
DISCCART	721300.00	3921075.00	1.50
DISCCART	721350.00	3921075.00	1.50
DISCCART	721400.00	3921075.00	1.50
DISCCART	721450.00	3921075.00	1.50
DISCCART	721500.00	3921075.00	1.50
DISCCART	721550.00	3921075.00	1.50
DISCCART	721600.00	3921075.00	1.50
DISCCART	721650.00	3921075.00	1.50
DISCCART	721700.00	3921075.00	1.50
DISCCART	721750.00	3921075.00	1.50
DISCCART	721800.00	3921075.00	1.50
DISCCART	721850.00	3921075.00	1.50
DISCCART	721900.00	3921075.00	1.50
DISCCART	721950.00	3921075.00	1.50
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DISCCART	721750.00	3921875.00	1.50

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DISCCART	721800.00	3922275.00	1.50
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DISCCART	721750.00	3922325.00	1.50
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DISCCART	721850.00	3922325.00	1.50
DISCCART	721900.00	3922325.00	1.50
DISCCART	721950.00	3922325.00	1.50
DISCCART	722000.00	3922325.00	1.50
DISCCART	720000.00	3922375.00	1.50
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DISCCART	720600.00	3922375.00	1.50
DISCCART	720650.00	3922375.00	1.50
DISCCART	720700.00	3922375.00	1.50
DISCCART	720750.00	3922375.00	1.50

DISCCART	720800.00	3922375.00	1.50
DISCCART	720850.00	3922375.00	1.50
DISCCART	720900.00	3922375.00	1.50
DISCCART	720950.00	3922375.00	1.50
DISCCART	721000.00	3922375.00	1.50
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DISCCART	721700.00	3922375.00	1.50
DISCCART	721750.00	3922375.00	1.50
DISCCART	721800.00	3922375.00	1.50
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DISCCART	721900.00	3922375.00	1.50
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DISCCART	722000.00	3922375.00	1.50
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DISCCART	720100.00	3922425.00	1.50
DISCCART	720150.00	3922425.00	1.50
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DISCCART	721350.00	3922425.00	1.50
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DISCCART	721700.00	3922425.00	1.50
DISCCART	721750.00	3922425.00	1.50
DISCCART	721800.00	3922425.00	1.50

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  DISCCART   721900.00  3922425.00   1.50
  DISCCART   721950.00  3922425.00   1.50
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  DISCCART   720950.00  3922475.00   1.50
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  DISCCART   721900.00  3922475.00   1.50
  DISCCART   721950.00  3922475.00   1.50
  DISCCART   722000.00  3922475.00   1.50
** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" "Cartesian plant boundary Primary Receptors"
  DISCCART   720521.04  3921260.70   1.50
  DISCCART   721253.98  3921188.29   1.50
  DISCCART   721271.62  3921600.25   1.50
  DISCCART   721640.05  3921560.67   1.50
  DISCCART   721678.07  3922379.71   1.50
  DISCCART   721299.00  3922425.02   1.50
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  DISCCART    721296.87  3922026.77   1.50
  DISCCART    720533.52  3922085.18   1.50
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" "Cartesian plant boundary Intermediate Receptors"
  DISCCART    720545.47  3921258.29   1.50
  DISCCART    720569.90  3921255.87   1.50
  DISCCART    720594.33  3921253.46   1.50
  DISCCART    720618.77  3921251.05   1.50
  DISCCART    720643.20  3921248.63   1.50
  DISCCART    720667.63  3921246.22   1.50
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  PLOTFILE 24 ALL 4TH PM25-1~1.IS\24H4GALL.PLT 33
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** DTMRGN   CONUS
** UNITS    m
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** ZONEINX  0
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Appendix G: Modeling Files on CD-ROM

SESPE CONSULTING, INC.
468 Poli Street, Suite 2E • Ventura, CA 93001
Office (805) 275-1515 • Fax (805) 667-8104

SUMMARY OF TECHNICAL ASSUMPTIONS
AIR QUALITY AND CLIMATE CHANGE IMPACT ASSESSMENT

Las Pilitas Quarry
County of San Luis Obispo, California

November 4, 2013

Prepared for: URS Corporation
2625 South Miller Street, Suite 104
Santa Maria, California 93455

Prepared by: Sespe Consulting, Inc.
468 Poli Street, Suite 2E
Ventura, California 93001
(805) 275-1515

Project

500,000	tons/yr aggregates, Project Increment	250	days/yr
273	trips/day, project increment	68,250	trips/yr
		689,325	tons/yr all materials

Off-site Transportation

20.2 tons per truck
25 miles one-way (historical and Project)
1,706,250 VMT/yr

Truck Trips: EMFAC2011 emissions factors (see Sespe memo in Appendix D of AQ report)
Annual average factors for annual emissions and winter factors for daily emissions.

Road Dust:
0.1 g/m^2, off-site paved road silt loading (CalEEMod default)
40 tons full weight of trucks (maximum allowed by law results in conservative estimate)
12 tons empty weight of trucks
44 days per year of rainfall (CalEEMod default for SLO County)

Worker trips: EMFAC2011 for gasoline LDA during winter of 2012 in San Luis Obispo County.
5 employees
2 roundtrips/employee-day
30 miles roundtrip

Local Off-site Transportation (HRA model through Santa Margarita)

0.0083333 idle-hr/vehicle/trip/stop (i.e. 30 second waits at each of four lights)
EMFAC2011 Idling Emissions Rates Spreadsheet:
http://www.arb.ca.gov/msei/emfac2011_idling_emission_rates.xlsx

4.23 miles one-way between Project site and west end of Santa Margarita
1,155 VMT/day
288,802 VMT/yr
213 total sources in off-site roadway modeled
18 sources where average speed is 15 mph
15 sources where average speed is 25 mph
180 sources where average speed is 35 mph

For cancer risk:
EMFAC2011 emissions factors averaged over 25-year life of Project (at max. production rate)
for T7 construction trailer type trucks traveling at each of the speeds
0.0002934 lb DPM/VMT at 15 mph
0.000200 lb DPM/VMT at 25 mph
0.0001833 lb DPM/VMT at 35 mph
0.171535 g DPM/veh-hr (25 year average idling factor, 2013+)

For non-cancer risk:

EMFAC2011 emissions factors for Calendar Year 2013
for T7 construction trailer type trucks traveling at each of the speeds

0.0017889	lb DPM/VMT at 15 mph	0.00575844	lb ROG/VMT at 15 mph
0.0010088	lb DPM/VMT at 25 mph	0.0019427	lb ROG/VMT at 25 mph
0.0008083	lb DPM/VMT at 35 mph	0.00133601	lb ROG/VMT at 35 mph
0.6699833	g DPM/veh-hr (2013 fleet idling factor)		

Vehicles are assumed to travel 35 mph except near intersections described in the Traffic Study where they travel 15 mph for the two road sources on each side of the stop location and 25 mph for three road sources between the 35 and 15 mph sources. The stop locations assume 15 mph and 30 seconds of idling for each vehicle.

On-site Transportation

0.0833 idle-hr/vehicle/load (2 trips per load)
0.66 miles rountrip on-site
0.23 miles paved haul route on-site
0.10 miles unpaved haul route on-site

EMFAC2011 running factors for T7 construction trailer type trucks at 15 mph in 2013
average factors used for annual emissions, winter season factors for daily emissions.

Paved Road Dust
8.2 g/m^2 is mean silt loading for quarry road (AP-42 Table 13.2.1-3)
95% control efficiency of sweeping
0.41 g/m^2 is mitigated silt loading with daily sweeping and prompt cleanup of spilled materials.

Unpaved Road Dust
4.8 % mean silt content of sand and gravel processing plant road (AP-42, Table 13.2.2-1)
60% control efficiency for daily watering (unmitigated)
95% control efficiency for combination of chemical dust suppressants and watering

For cancer risk:

0.1715 g DPM/veh-hr (25 year average idling factor, 2013+)
0.0002276 lb DPM/VMT (25 year average 15 mph running factor, 2014+)

Non-road Engines

Cycle Time and Max. Throughput (Caterpillar Performance Handbook)

498 tons per hour for 988 loader in quarry or loading aggregates processing plant

666 tons per hour for 980H loader filling trucks and feeding recycle plant

988 Loader

5500 tons quarried and fed to aggregates processing plant in peak day takes:

550000 tons quarried and fed to aggregates processing plant in peak year takes:

11.0 hr/day

1103 hr/yr

11.0 hr/day is assumed for all units except street sweeper which is assumed to occur 2 hr/day

980 H Loader

100000 tons into recycle plant

100000 tons recycled into trucks

500000 tons aggregates

700000 tons, total loaded per year

1051 hr/yr

1103 hr/yr for water truck and portable generator; same hours as aggregates plant.

520 hr/yr for street sweeper based on 2 hr/day and 250 days/yr.

552 hr/yr for excavator, dozer, and rock drill; half as much as aggregates plant.

Portable generator

800 hp

0.75 load factor

6.90 g NOx/hp-hr at Project start (Tier 1 standard)

4.80 g NOx/hp-hr in 2017 and for Mitigated Project at start (Tier 2 standard)

0.25 g DPM/hp-hr at Project start

0.08 g DPM/hp-hr in 2017

0.02 g DPM/hp-hr in 2020

Other units

Load factors: OFFROAD2011 defaults

Horsepowers: based on make and model number of unit.

Fleet Average Project start (see Sespe memo in Appendix E of the AQCCIA)

Tier 2 Mitigated Project start

Tier 4 DPM Mitigated Through In-Use Offroad ATCM by 2024

Total Non-Road Engine Acitivity Levels

32,748 hp-hr/day

2,720,610 hp-hr/yr

Fugitive Dust

Bulldozing AP-42, Table 11.9-1 (July 1998)

3	% silt in blasted rock
1.5	% moisture in blasted rock
6.9	% silt in overburden
7.9	% moisture in overburden
4	hours per day (quarrying and overburden each for total of 8 hr/day)
276	hours per year (quarrying and overburden each for total of 552 hr/yr)

Loading and Unloading EF = k * 0.0032 * ((U/5)^(1.3)) / ((M/2)^1.4) AP42, Section 13.2.4 (Nov. 2006)

7.16	mph wind speed (CalEEMod default for SLO County)
1.5	% moisture in blasted rock
5	% moisture in other materials dropped

Recycle Plant Emissions factors from AP42 Table 11-19.2-2

250	tons/hr	2,500	tons/day	100,000	tons/yr
800%	of plant feed is total amount dropped				
75%	of plant feed passes through crusher				
150%	of plant feed is screened				

Aggregates Plant

500	tons/hr	5,500	tons/day	550,000	tons/yr
2000%	of plant feed is total amount dropped				
150%	of plant feed passes through crusher				
250%	of plant feed is screened				

Blasting AP42 Table 13.3-1 and AP42 Table 11.9-1

Day	Year	
1	20	Number of Blasts
15	300	Tons explosive (ANFO)
10,000	200,000	Area of blast^3 (ft^2)

0.189 MT CO2e/MT ANFO

PM Speciations

CAS	Name	Fraction of Dust	Fraction of DPM
7440382	arsenic	0.000015	0.000005
7440439	cadmium	0.000013	0.00004
7440473	chromium	0.000017	0.000012
7440508	copper	0.000158	0.000025
7782505	chlorine	0.000844	0.000344
7439921	lead	0.00013	0.000042
7439965	manganese	0.000915	0.00004
7440020	nickel	0.000037	0.000019
7439976	mercury	0.000014	0.00003
7782492	selenium	0.000003	0.00001
7440622	vanadium (fume or dust)	0.000077	0.000029
1175	Silica, Crystln	0.01	0

Sources: Dust is the CARB PM Profile 470 plus respirable crystalline silica. Diesel PM is CARB PM Profile 425.

Organic Speciation (Diesel Exhaust)

CAS	Name	Fraction of TOG
74851	ethene	0.14377
115071	propene	0.02597
110827	cyclohexane	0.00026
540841	2,2,4-trimethylpentane	0.00298
67561	methanol	0.0003
123386	propionaldehyde	0.0097
123728	butyraldehyde	0.01868
78933	methyl ethyl ketone (mek) (2-butanone)	0.01477
95636	1,2,4-trimethylbenzene	0.0053
100425	styrene	0.00058
98828	(1-methylethyl)benzene	0.00015

Source: CARB Organic Profile 818

Conversions

0.367	lb/hp-hr
2000	lb/ton
453.6	g/lb
2205	lb/MT
7.05	lb/gal diesel
1000	kg/MT

Diesel GHG Emissions Factors

Factor	Units	GWP
10.15	kg CO2/gal	1
0.26	g N2O/gal	21
0.58	g CH4/gal	310

Source: California Climate Action Registry General Reporting Protocol v3.1, Tables C.3 and C.6.