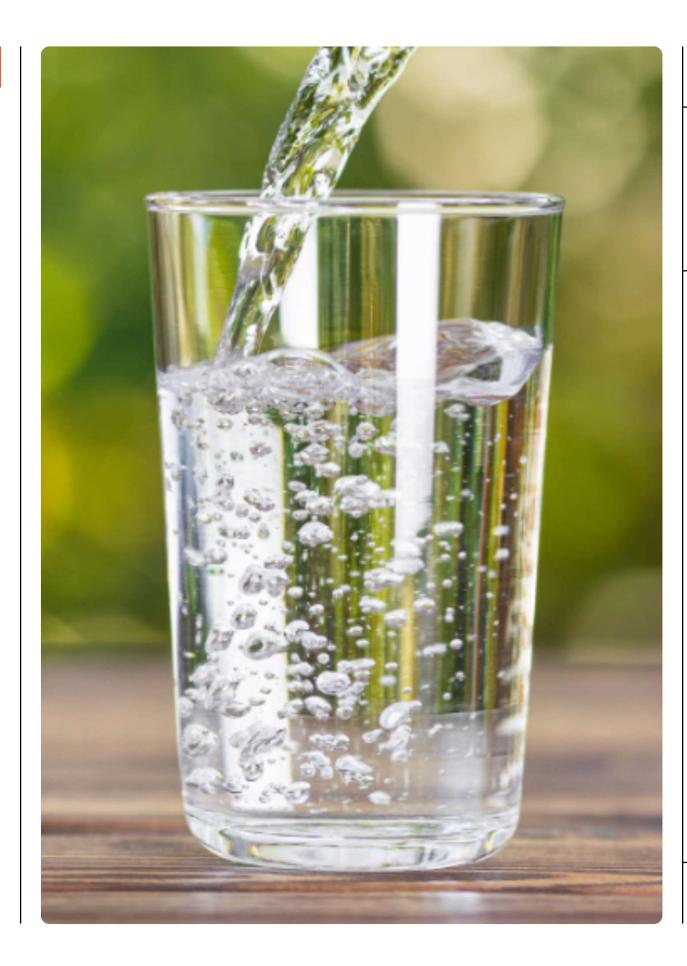


## County of San Luis Obispo SB552

WRAC Meeting April 2, 2025



Source: County of San Luis Obispo



### Agenda

- 1. Introductions
- 2. Project Introduction by County
- 3. Water System Consolidation Method
- 4. Consolidation Method Questions

# **Existing Wells**

Existing wells over the prioritized groundwater basins

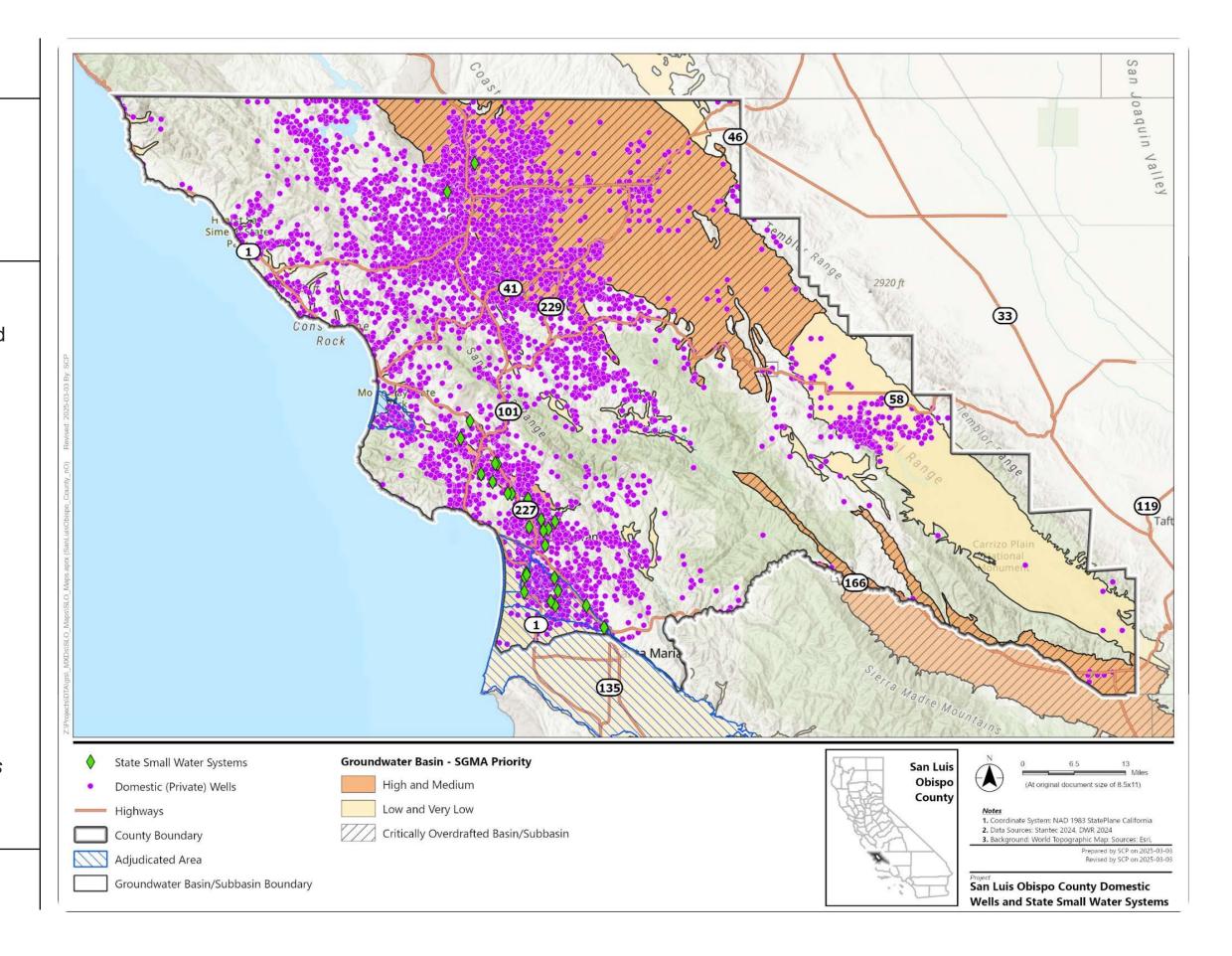
Well information provided by the County

15,178 domestic (private wells)

27 State Small Water Systems

Map for Reference Purposes Only:

Data is provisional and has not been verified for accuracy. The County of San Luis Obispo does not warrant the accuracy of the data and is not responsible for damages resulting from its use.



#### Water Systems

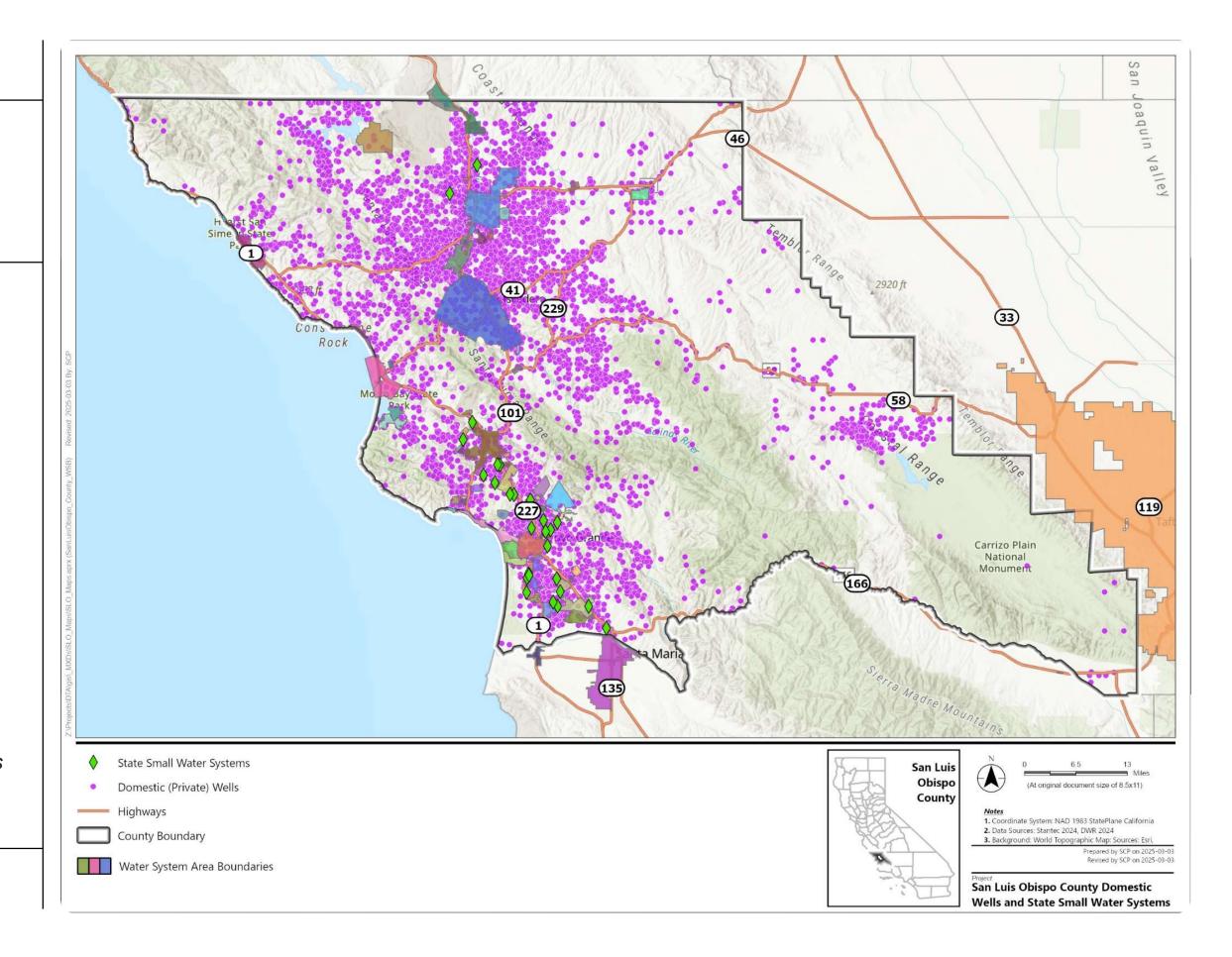
- Cities
- Community services districts county service areas
- Special districts that serve water
- Mutual water companies
- Nontransient noncommunity water systems that serve schools
- Water companies
- Total of 83 systems fully within SLO County



# Wells and Agencies

Map for Reference Purposes Only:

Data is provisional and has not been verified for accuracy. The County of San Luis Obispo does not warrant the accuracy of the data and is not responsible for damages resulting from its use.

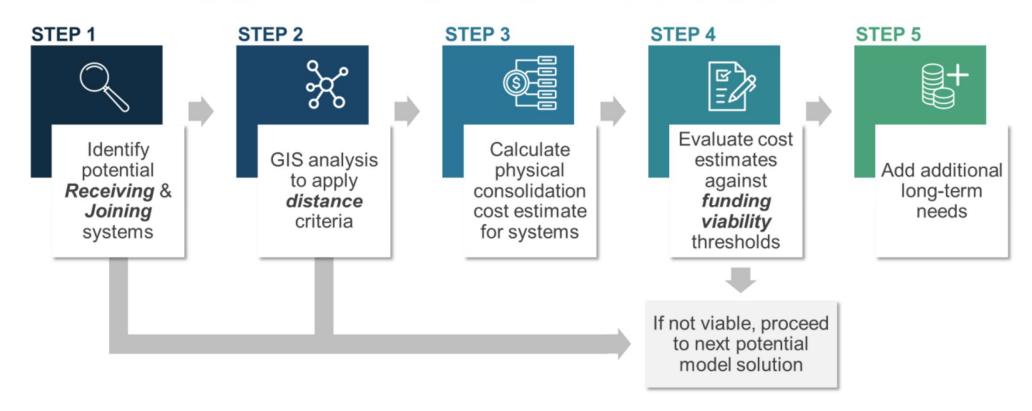


#### **Method**

- Water Boards Physical Consolidation Cost Estimate Methodology- Last Updated June 2024
- Five Step Process



# SUPPLEMENTAL APPENDIX: PHYSICAL CONSOLIDATION COST ESTIMATE METHODOLOGY

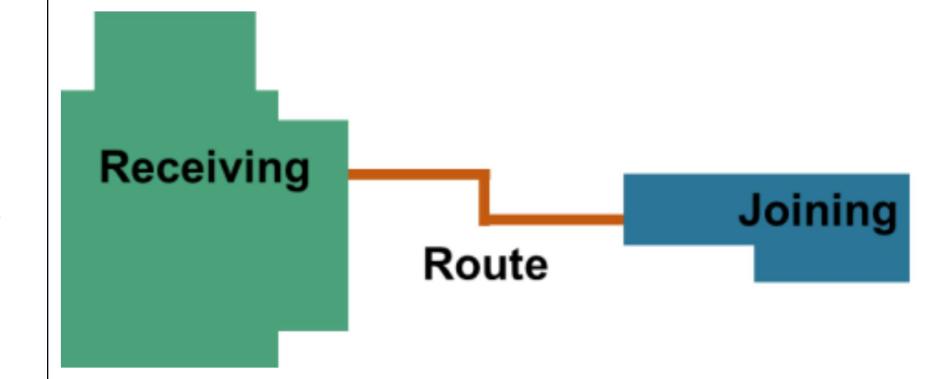


# **Step 1: Receiving and Joining**

First, identify potential one-to-one physical consolidations between two different systems

**Receiving Systems:** Commonly larger public water systems that expand to subsume Joining systems and provide water supply to both of their customers.

**Joining Systems:** Commonly smaller public water systems, state small water systems, and domestic wells that are dissolved into existing receiving public water systems and are no longer responsible for providing water to their own customers.



## Step 1: Joining Criteria

Per the IWG, we will consider public water systems and State Smalls to be included regardless of their status. However, there may be little incentive to consolidate if not at risk.

#### Joining Systems:

Failing Public Water Systems	≤ 1,000 service connections.
At-Risk Public Water Systems	≤ 500 service connections.
Potentially At-Risk, Not At-Risk, & Not Assessed Public Water Systems	— Excluded  ≤ 500 service connections
State Small Water Systems & Domestic Wells	High-Risk in the Water Quality and/or Water Shortage categories in the Risk Assessment.

#### Step 1: Receiving Criteria

State small and domestic systems are not considered receiving systems.

This criteria means that the receiving system could be failing or at-risk public water systems.

### Receiving Systems for Joining Public Water Systems:

Failing Public Water Systems	Largest System > 1,000 service connections.				
At-Risk Public Water Systems	Largest System > 500 service connections.				
Potentially At-Risk, Not At-Risk, Not Assessed Public Water Systems	Largest System > 500 service connections.				
State Small Water Systems & Domestic Wells	Excluded				

#### Receiving Systems for Joining State Small Water Systems & Domestic Wells:

Failing Public Water Systems	Largest Nearby System
At-Risk Public Water Systems	Largest Nearby System
Potentially At-Risk, Not At-Risk, Not Assessed Public Water Systems	Largest Nearby System
State Small Water Systems & Domestic Wells	Excluded

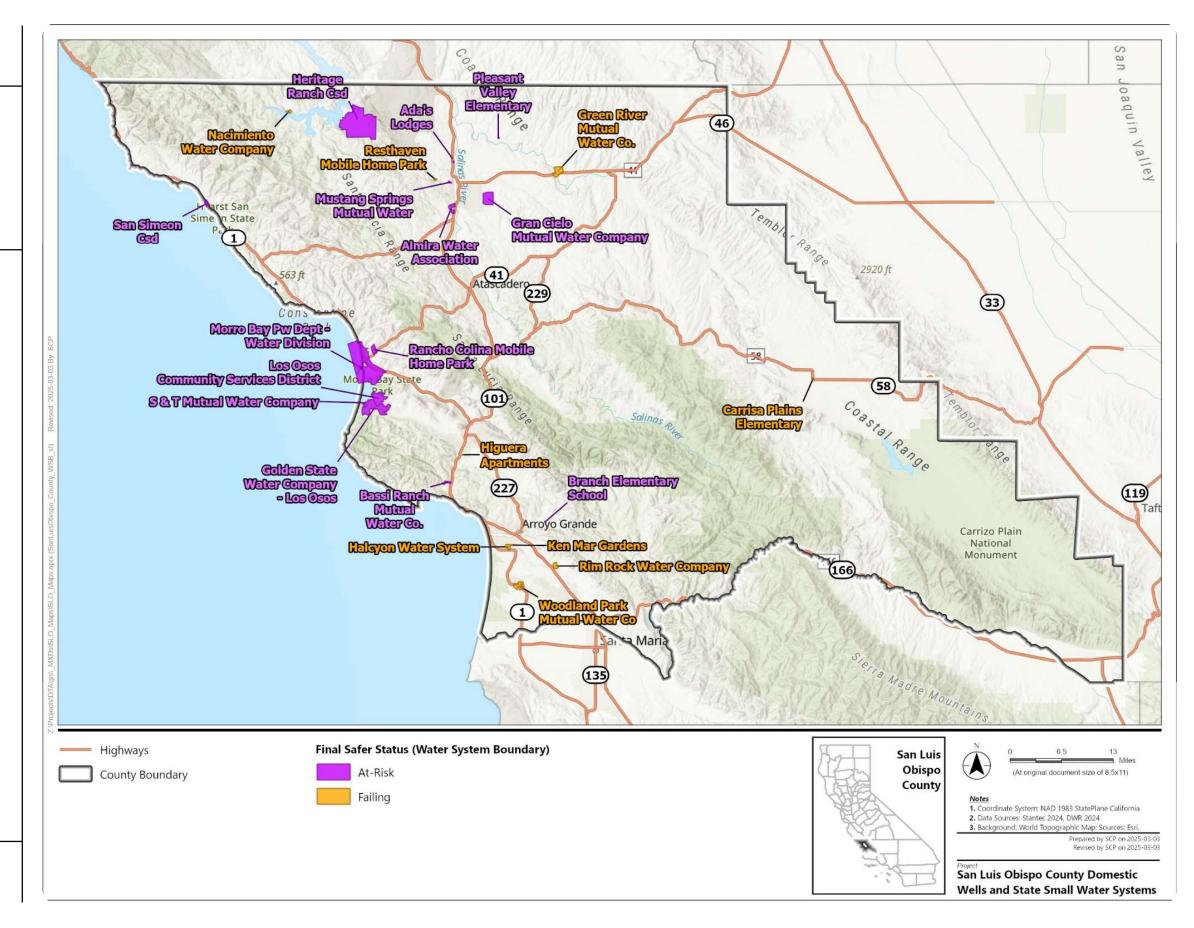
# Receiving System Exclusions?

Should failing and as-risk systems be excluded from being a receiving system?

IWG said to follow the State methodology.

#### System Changes:

- San Simeon CSD applied for dissolution and various options are being considered
- Higuera Apartments annexation was approved by SLO City Council in July 2024.

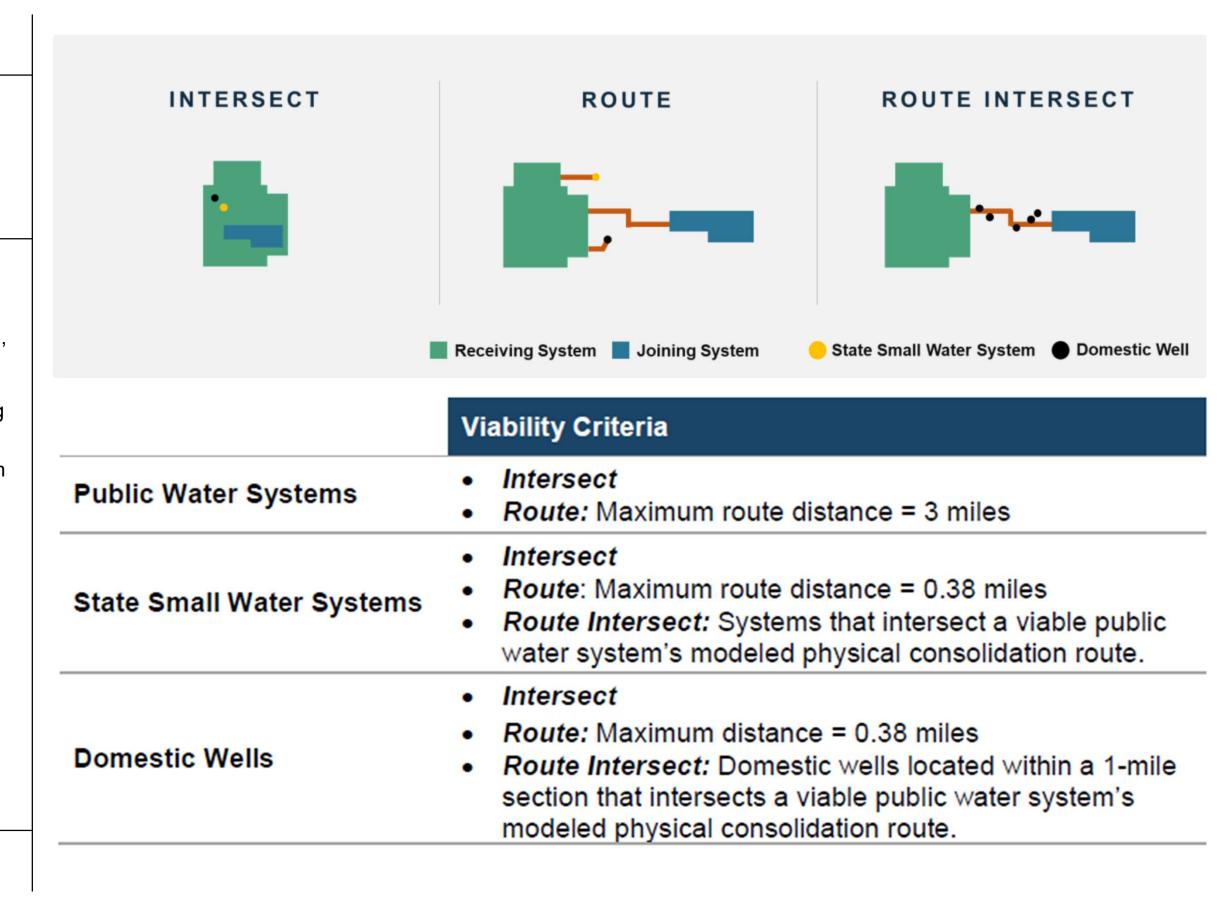


#### Step 2: Distance Criteria

Intersect: Where the Joining system, state small water system, or domestic well is physically located within the service area boundary of a potential Receiving system.

**Route**: Where the Joining system is physically located within a maximum distance from the service area boundary of a potential Receiving system along a street.

Route Intersect: Where the Joining state small water system or domestic well is along the modeled route of a potential public water system physical consolidation.



#### Step 3: Cost Estimate

Cost Component	Application	Cost Estimate (\$)				
Pipeline (\$/Lf)	Based on modeled route.	\$220				
Connection Fees (\$/Joining system service connection)	Averaging connection fees for Receiving systems for each scenario	<ul> <li>Public Water Systems = \$5,437</li> <li>SSWS = \$2,600</li> <li>DW = \$3,342</li> </ul>				
Service Line Cost (\$/Project)	Included for both intersect and route Joining systems	\$6,200				
Administrative Cost (\$/Project)	Included for all Failing and At-Risk systems, except At- Risk Domestic wells	15% of total construction cost.				
CEQA Cost (\$/Project)	Included for all Failing and At-Risk systems, except At-Risk DWs	<ul> <li>Intersect systems = \$25,000</li> <li>Route systems = \$100,000</li> </ul>				

Pipelines are designed to convey treated water from receiving systems to Joining systems' customers by connecting to the Receiving system's existing distribution system. Pipelines are assumed to be 12-inch diameter to ensure delivery of water at adequate pressure throughout the system.

Material cost for 12" PVC C900 = \$55 per linear foot

Installation Cost = \$165 per linear foot

Pipeline Cost/lf= Material (\$55) + Installation (\$165) = \$220 /lf

#### Step 3: Cost Estimate

Should we include a contingency for all systems regardless of status?

Inflation is forecast between April 2023 to April 2024. Inflation will need to be increased.

SLO is a Suburban County

Cost Component	Application	Cost Estimate (\$)				
Treatment Cost	Included for Failing Receiving systems due to water quality issues	Apply BAT <sup>27</sup> Capital and O&M <sup>28</sup> per failing analyte. (excluded from physical consolidation funding viability determination)				
Additional Source  Included for Receiving systems with single source of water supply.  Additional cost for system relies on of (excluded from pl consolidation fund determination)						
Contingency	Included for all Failing and At-Risk systems, except At- Risk DWs	20% Total cost				
Inflation	Included for all systems regardless of size and type	3.1% Total cost				
Planning & Construction	Included for all systems regardless of size and type	10% Total cost				
Engineering Services	Included for all systems regardless of size and type	15% Total cost				
Regional Multiplier	Included for all systems regardless of size and type	<ul> <li>Rural Counties (0%)</li> <li>Urban Counties (+32%)</li> <li>Suburban Counties (+30%)</li> </ul>				

### Step 4: Funding Viability

Funding viability thresholds from 2023-24 Clean Water State Revolving Fund Intended Use Plan, then inflated by 20% per DDW and DFA.

The Division of Financial Assistance does not currently employ funding viability thresholds for consolidation projects for state small water systems and domestic wells. Funding decisions are made on a case-by-case basis.

	Funding Viability Criteria
Public Water System	Estimated Capital Cost per Connection < \$96,000
> 75 service connections	Estimated capital cost per connection 4 \$50,000
Public Water System	
< 75 contine compostions	Estimated Total Capital Cost < \$7.2 million
< 75 service connections	
State Small Water System	Estimated Total Capital Cost < \$2 million
Domestic Well	Estimated Total Capital Cost < \$150,000

# Step 5: Model Additional Infrastructure/Admin Needs for Receiving Systems

**Treatment Cost:** If failing due to water quality issues, then add treatment replacement

Additional Source (Well Cost): If single source of water supply, then add backup public supply well.

Other Essential Infrastructure (OEI): If aging infrastructure, then add costs for upgrades and replacements. Need to follow the Supplemental Appendix: Additional Long- Term Modeled Solutions Cost Estimate Methodology.

**Additional Costs:** May include technical assistance and/or administrator assistance per Supplemental Appendix.

### Receiving Systems

83 Water Systems Total

25 Water Systems meet "Receiving System" criteria:

• > 500 services connections

#### Safer Status

0 systems Failing

3 systems Potentially At-Risk per SAFER status

4 systems At-Risk per SAFER status

System ID	Receiving System Name	Safer Status	Service Connections	Population Served
CA4010024	SLO CWWD NO. 23 - SANTA MARGARITA	Not At-Risk	506	1291
CA4010002	ATASCADERO MUTUAL WATER CO	Not At-Risk	10961	30618
CA4010015	MORRO ROCK MUTUAL WATER CO	Not At-Risk	650	1874
CA4010008	PISMO BEACH WATER DEPARTMENT	Not At-Risk	5335	8036
CA4010009	SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk	17012	47788
CA4010003	SAN MIGUELITO MWC	Not At-Risk	685	1600
CA4010005	OCEANO COMM SERVICES DIST.	Not At-Risk	2207	7601
CA4010014	CAMBRIA COMM SERVICES DIST	Not At-Risk	4034	5532
CA4010010	SAN MIGUEL COMMUNITY SERVICES DISTRICT	Potentially At-Risk	907	2600
CA4010006	CAYUCOS BEACH MUTUAL WATER COMPANY	Not At-Risk	778	2369
CA4010019	TEMPLETON CSD	Not At-Risk	3004	8011
CA4010832	ATASCADERO STATE HOSPITAL	Not At-Risk	875	4100
CA4010023	GOLDEN STATE WATER COMPANY - EDNA	Potentially At-Risk	602	1477
CA4010001	CITY OF ARROYO GRANDE UTILITIES DIVISION	Not At-Risk	6854	17963
CA4010012	HERITAGE RANCH CSD	At-Risk	1963	2956
CA4010901	SLOCSA #10A - CAYUCOS	Potentially At-Risk	784	1200
CA4010026	NIPOMO COMM SERVICES DIST	Not At-Risk	4512	13771
CA4010004	CITY OF GROVER BEACH PUBLIC WORKS DEPT	Not At-Risk	4999	12701
CA4010016	LOS OSOS COMMUNITY SERVICES DISTRICT	At-Risk	2776	7086
CA4010017	GOLDEN STATE WATER COMPANY - LOS OSOS	At-Risk	2683	5949
CA4010018	GOLDEN STATE WATER COMPANY - NIPOMO	Not At-Risk	1492	4506
CA4010040	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk	966	2026
CA4010081	WOODLANDS DEVELOPMENT	Not At-Risk	1544	3862
CA4010011	MORRO BAY PW DEPT - WATER DIVISION	At-Risk	5892	13757
CA4010007	CITY OF PASO ROBLES WATER DIVISION	Not At-Risk	10822	31176

## Joining System

83 Water Systems Total
58 Water Systems meet the 
"Joining" criteria:

• Less than < 500 connections

45 Water Systems met the "Joining" criteria due to distance

- Less < 3 miles
- intersect (distance of 0)
- route <0.38 miles

	JOI	RECEIVING SYSTEM INFORMATION					
	Service				Analysis Results Category		
	Joining Water System Name Population Connections Safer Status			Receiving Water System Name	Safer Status		
	ADA'S LODGES	25		At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	AFUERA DE CHORRO WATER COMPANY	79		Potentially At-Risk	Routed	SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	ALMIRA WATER ASSOCIATION	40		At-Risk	Routed	CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	ANZA VINEYARD ESTATES MUTUAL WATER CO	60		Not At-Risk	> 3 Miles		Not At Diels
	AVILA BEACH COMMUNITY SERVICES DISTRICT AVILA VALLEY MUTUAL WATER CO	1630 75		Not At-Risk Not At-Risk		SAN MIGUELITO MWC SAN MIGUELITO MWC	Not At-Risk Not At-Risk
	BARON CANYON MUTUAL WATER CO.	81		Not At-Risk		SAN MIGUELITO MWC	Not At-Risk
	BASSI RANCH MUTUAL WATER CO.	85		At-Risk	Routed	SAN MIGUELITO MWC	Not At-Risk
	BEAR VALLEY WATER COMPANY	45		Not At-Risk		SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	BRANCH ELEMENTARY SCHOOL	253		At-Risk		CITY OF ARROYO GRANDE UTILITIES DIVISION	Not At-Risk
	CALIFORNIA MENS COLONY	15000		Not At-Risk		SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	CALLENDER GROVE MUTUAL WATER	126		Not At-Risk		GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk
	CANYON CREST MUTUAL BENEFIT WC	133		Not At-Risk	Routed	CITY OF ARROYO GRANDE UTILITIES DIVISION	Not At-Risk
	CARRISA PLAINS ELEMENTARY	65		Failing	> 3 Miles		
	CHAMISAL VINEYARDS	40	2		> 3 Miles		
	COASTAL CHRISTIAN SCHOOL	650		Not At-Risk		PISMO BEACH WATER DEPARTMENT	Not At-Risk
	COUNTRY HILLS ESTATES	60		Not At-Risk	Routed	CITY OF ARROYO GRANDE UTILITIES DIVISION	Not At-Risk
	CRESTON ELEMENTARY SCHOOL	100		Not At-Risk	> 3 Miles		
	EDNA VALLEY RANCH EAST	132		Not At-Risk	> 3 Miles		
	GARDEN FARMS C.W.D.	440		Not At-Risk		ATASCADERO MUTUAL WATER CO	Not At-Risk
	GRAN CIELO MUTUAL WATER COMPANY	160		At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	GREEN RIVER MUTUAL WATER CO.	350		Failing	> 3 Miles		
	H2O, INC	70		Not At-Risk	> 3 Miles		
	HALCYON WATER SYSTEM	105		Failing 		OCEANO COMM SERVICES DIST.	Not At-Risk
	HIGUERA APARTMENTS	30		Failing	Routed	SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	IRISH HILLS MUTUAL WATER CO	135		Not At-Risk		SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	KEN MAR GARDENS LAGUNA NEGRA MUTUAL WATER CO.	84 80		Failing Not At-Risk		OCEANO COMM SERVICES DIST. WOODLANDS DEVELOPMENT	Not At-Risk
	LAS VENTANAS RANCH	108		Not At-Risk Not At-Risk	Routed > 3 Miles	WOODLANDS DEVELOPMENT	Not At-Risk
	LAUREATE WATER COMPANY	700		Not At-Risk		SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	LOS ROBLES MOBILE HOME ESTATES	420		Not At-Risk		TEMPLETON CSD	Not At-Risk
	MESA DUNES MOBILE HOME ESTATES	600		Not At-Risk	Routed	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk
	MONTE SERENO MUTUAL BENEFIT WATER	65		Not At-Risk	> 3 Miles	COEDEN CITATE WATER COMMITMET OF RECORDER	TVOL / LET CION
	MUSTANG SPRINGS MUTUAL WATER	30		At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	NACIMIENTO WATER COMPANY	2181		Failing	> 3 Miles		
	PACIFIC DUNES RANCH	536	1	J		OCEANO COMM SERVICES DIST.	Not At-Risk
	PLAYA DULCE	35	1	Not Assessed		PISMO BEACH WATER DEPARTMENT	Not At-Risk
	PLEASANT VALLEY ELEMENTARY	100	1	At-Risk	Routed	CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	RANCHO COLINA MOBILE HOME PARK	250	127	At-Risk	Routed	MORRO BAY PW DEPT - WATER DIVISION	At-Risk
	RANCHO NIPOMO WATER COMPANY	44		Not At-Risk		NIPOMO COMM SERVICES DIST	Not At-Risk
	RANCHO SALINAS MBWC	50		Not At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	RESTHAVEN MOBILE HOME PARK	99		Failing	Routed	CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	RIM ROCK WATER COMPANY	55		Failing		NIPOMO COMM SERVICES DIST	Not At-Risk
	S & T MUTUAL WATER COMPANY	591		At-Risk		GOLDEN STATE WATER COMPANY - LOS OSOS	At-Risk
	SAN SIMEON CSD	462		At-Risk		CAMBRIA COMM SERVICES DIST	Not At-Risk
	SANTA YSABEL RANCH MWC	238		Not At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	SLO CSA NO. 12 - AVILA BEACH	0	20	Detentially At Dist		SAN MIGUELITO MWC	Not At-Risk
	SLO CSA NO. 16 - SHANDON	1085		Potentially At-Risk	> 3 Miles	MODDO DOCK MUTUAL WATER CO	Not At Diele
	SLO CWD NO. 10 - CAYUCOS WTP SPANISH LAKES MUTUAL WATER CO	0 125		Not Assessed Not At-Risk		MORRO ROCK MUTUAL WATER CO CITY OF PASO ROBLES WATER DIVISION	Not At-Risk Not At-Risk
	SPANISH LAKES MUTUAL WATER CO STRASBAUGH, INC	200	45 1	NULAL-NISK		GOLDEN STATE WATER COMPANY - EDNA	Potentially At-Risk
	TALLEY FARMS LABOR HOUSING	75	22		> 3 Miles	OOLDEN STATE WATER CONFANT - EDIVA	i Oteritially At-NISK
	TERRA DE ORO WATER COMPANY	38		Not At-Risk		CITY OF ARROYO GRANDE UTILITIES DIVISION	Not At-Risk
1	TIGER WATER SUPPLY	1600				SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	TOYOTA SAN LUIS OBISPO	57	1	otornany At-Mak		SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk
	VARIAN RANCH MUTUAL WATER	106	49	Not At-Risk	> 3 Miles	E. I. 20.3 Obio. O Trivilli Oli Matimenti	TIOC / IC THOIC
	WALNUT HILLS MUTUAL WATER CO	486		Not At-Risk		CITY OF PASO ROBLES WATER DIVISION	Not At-Risk
	WOODLAND PARK MUTUAL WATER CO	488		Failing		WOODLANDS DEVELOPMENT	Not At-Risk
		.,,,	. , ,	3			

### SSWS-Joining Systems

27 State Small Water Systems

8 SSWS meet "Joining System" criteria-

- intersect
- route <0.38 miles
- route intersect <0.25 miles

JOINING SMALL WA	TER SYSTEM	INFORMATION		RECEIVING SYSTEM INFORMATION			
Joining State Small Water System Name	Population Served	Service Connections	Analysis Results Category	Receiving Water System Name	Safer Status		
ADELAIDE ESTATES 15 5 > 0.38		> 0.38 Miles					
BLACK LAKE CANYON WATER SUPPLY	20	8	> 0.38 Miles				
BLUE SKY WATER ASSOCIATION	24	13	> 0.38 Miles				
CALLENDER WATER ASSOCIATION	18	7	Near to Joining/Receiving System Route (0.25mi)	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk		
CIRCLE II	0	10	> 0.38 Miles				
DEER VALLEY	24	8	> 0.38 Miles				
EDNA RANCH - WEST	0	12	> 0.38 Miles				
HERITAGE LANE WATER ASSOCIATION	0	8	> 0.38 Miles				
HIDDEN HILLS MOBILODGE	22		Near to Joining/Receiving System Route (0.25mi)	SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk		
JESPERSEN RANCH	20	0	> 0.38 Miles				
KANAWYER, RAYMOND	1 4 Routed		Routed	NIPOMO COMM SERVICES DIST	Not At-Risk		
LA COLONIA WATER ASSOCIATION 0 6 > 0.3		> 0.38 Miles					
LA MESA WATER COMPANY	Inte		Intersects with Receiving System	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk		
MAXWELLTON MUTUAL WATER 24 9 > 0		> 0.38 Miles					
MUTUAL WATER COMPANY INC AKA: SLO TRIO		8	> 0.38 Miles				
NEWSOM SPRINGS MUTUAL WATER CO	24	10	> 0.38 Miles				
NORTH RIVER ROAD WATER SYSTEM	0	5	> 0.38 Miles				
NUNES WATER COMPANY	24	12	Intersects with Receiving System	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk		
POLY RANCH WATER SUPPLY	0	7	> 0.38 Miles				
QUIET OAKS WATER CO	0	8	> 0.38 Miles				
RANCHO CABALLO MBWC	0	13	Near to Joining/Receiving System Route (0.25mi)	SAN LUIS OBISPO WATER DEPARTMENT	Not At-Risk		
RANCHO OAKS MOBILE PARK	19	10	> 0.38 Miles				
Rhodes Rancho	0	7	> 0.38 Miles				
SAN LUIS WATER & POWER	24	12	> 0.38 Miles				
SWEET SPRINGS MOBILE PARK	24	14	> 0.38 Miles				
True Water Supply	0	7	Routed	WOODLANDS DEVELOPMENT	Not At-Risk		
VISTA DE LAS FLORES WATER	24	12	Intersects with Receiving System	GOLDEN STATE WATER COMPANY-CYPRESS RIDGE	Not At-Risk		

# Domestic Wells

15,178 total domestic wells13,550 domestic wells not within a grouping

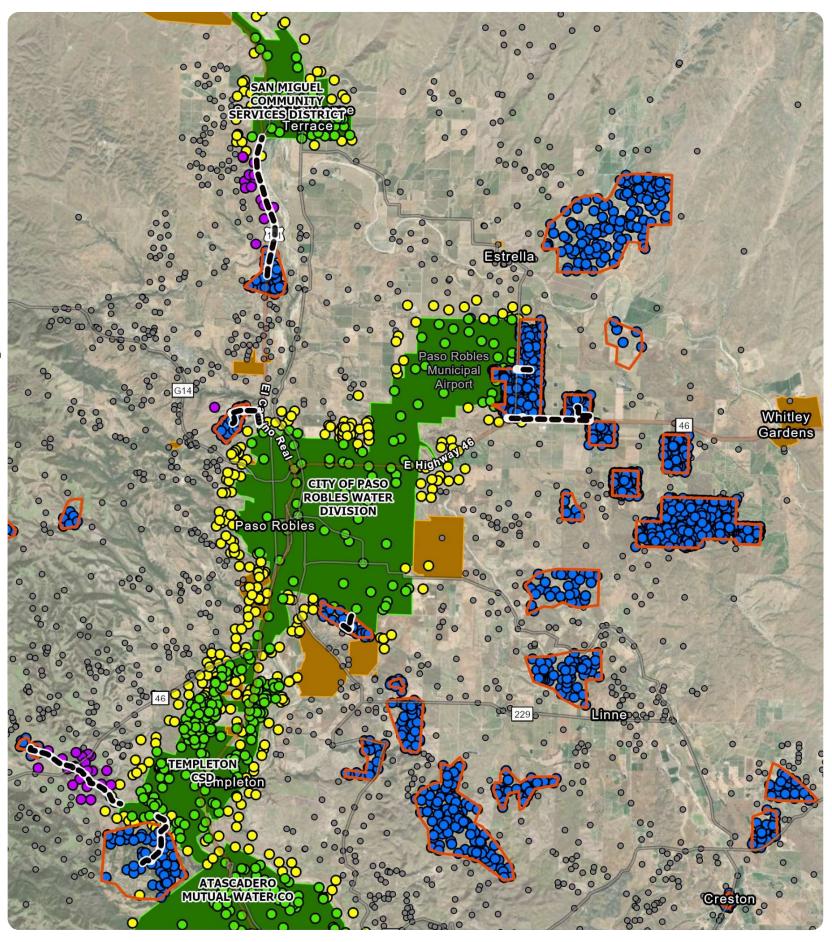
- 1,531 wells that intersect with receiving system (green)
- 1,609 wells that are within 0.38 miles of receiving system
- 493 wells that are within 0.38 miles route to a receiving system
- 1,628 wells that are in groups that could be routed <3 miles to a "Receiving" system

13 groupings route connect; 4 routes connect additional wells

Map for Reference Purposes Only:

Data is provisional and has not been verified for accuracy. The County of San Luis Obispo does not warrant the accuracy of the data and is not responsible for damages resulting from its use.

- Potential New Systems Made by Domestic Wells
- O Domestic Wells Intersecting with Receiving System
- O Domestic Wells Near Receiving System (0.38 mi)
- Domestic Wells Near Route to Receiving System (0.38 mi)
- Other Domestic Wells
- Potential Domestic Well Aggregated System
- Potential Receiving System Area Boundaries
- Potential Joining System Area Boundaries
- Potential Routes to Receiving System



#### **Next Steps**

#### **Prioritize Consolidation**

- 1. Meets Physical Criteria (Distance)
- 2. Meets Funding Viability Criteria (Cost)
- 3. Interested Water Systems
- 4. Interested Private Well Owners
- 5. Wells within Priority Groundwater Basins

#### Next Steps:

- 1. LAFCO workshop #2- April
- 2. Draft System Consolidation Plan- June
- 3. WRAC Meeting #2- June

	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
Risk Assessment									
Baseline Risk Assessment									
PWD/IWG Meeting #1: Risk Assessment		•							
Revised Baseline Risk Assessment									
SLO SB552 System Consolidation Plan									
PWD/IWG Meeting #2: Vision and Mission Workshop		•							
LaFCO Workshop			•						
WRAC Meeting #1: Vision and Mission Confirmation				•					
GIS Analysis									
WRAC Meeting #2: Draft SB552 SCP						•			
SB552 System Consolidation Plan Summary									
SB552 System Consolidation Plan						<u> </u>		*	
County DRP Support									
Public Works Department Meetings	•	•	•	•	•	•	•	•	
2024 MJHMP/County DRP Support									_
Task 4. CSP Administration									

#### Legend

▲ = Draft SB552 SCP

★ = Final SB552 SCP



# Thank you