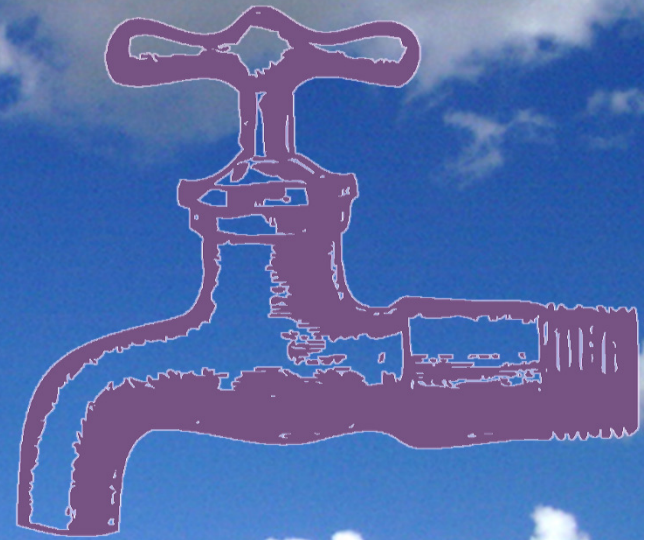


Regional Recycled Water Strategic Plan Update

WRAC
November 6, 2013

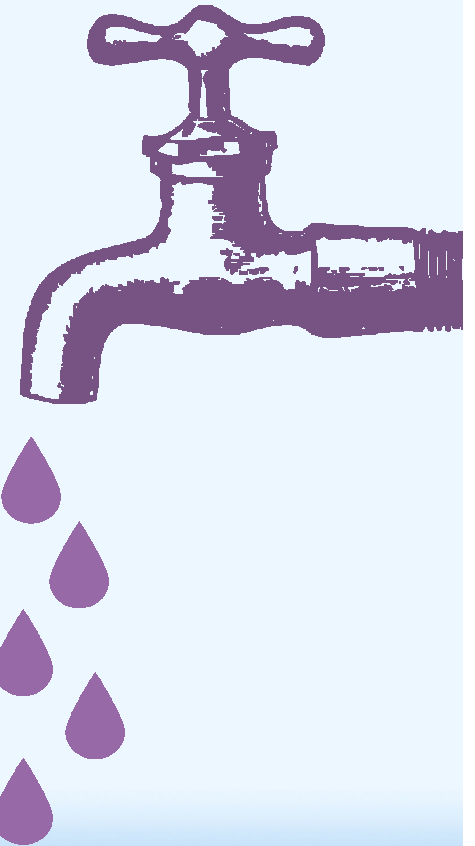


Presentation by:
Rob Morrow, PE
Cannon



RRWSP Participants

- San Luis Obispo County
- City of Morro Bay
- City of Pismo Beach
- Nipomo Community Services District (NCSD)
- South SLO County Sanitation District (SSLOCSD)
 - City of Arroyo Grande
 - City of Grover Beach
 - Oceano Community Services District (OCSD)
- Templeton Community Services District (TCSD)

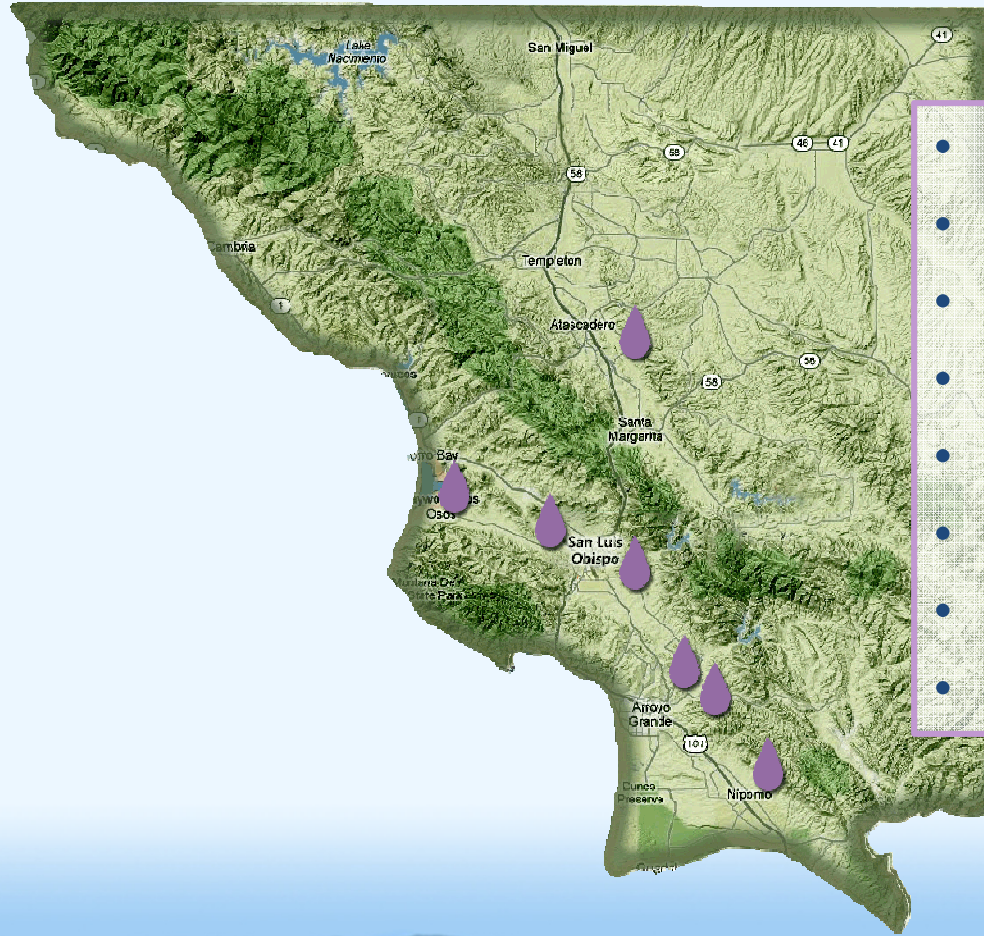


Agenda

1. Region's Treatment / Reclamation Plants
2. Reuse as Part of Region's Water Supply Portfolio
3. Region's Reuse Barriers and Opportunities
4. Next Steps



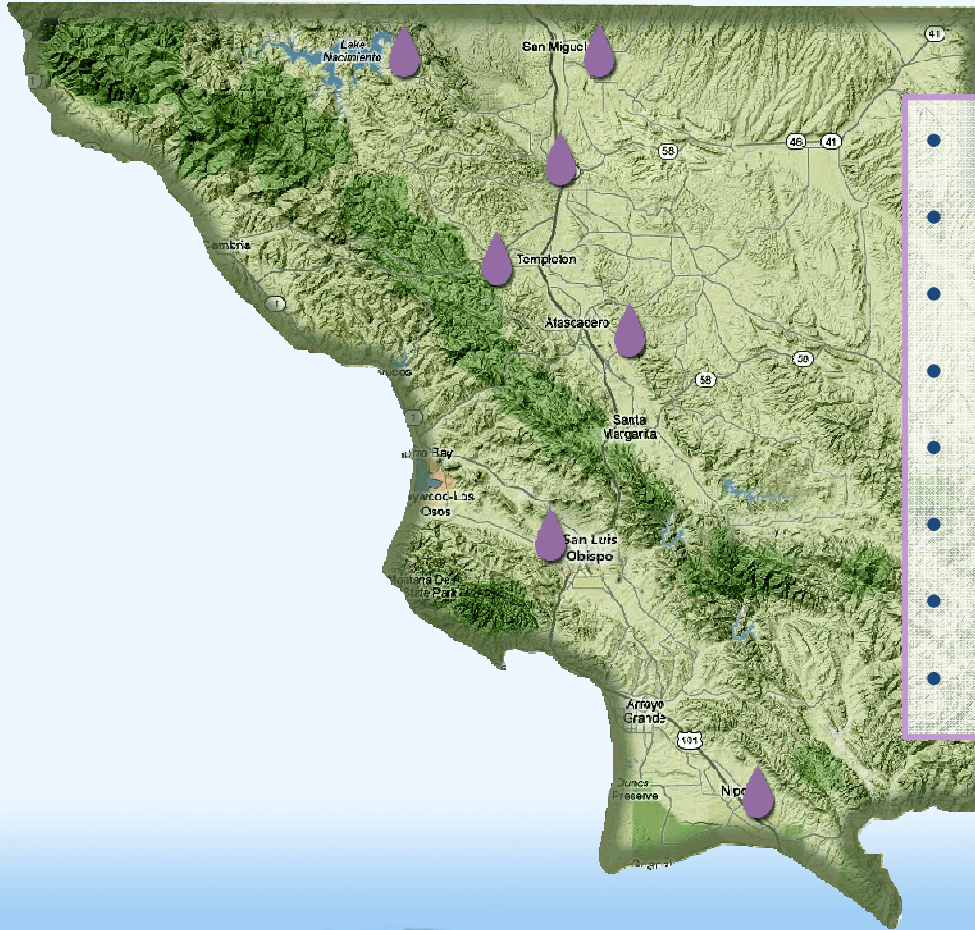
Non-Potable Reuse Projects



- Atascadero WRF
- California Men's Colony WWTP
- Cypress Ridge WWTP
- Los Osos WWTP [2016]
- Monarch Grove WWTP
- **NCS D Blacklake WWTP**
- San Luis Obispo WRF
- Woodlands MWC WWTP



Inland Discharges



- Atascadero WRF
- California Men's Colony WWTP
- Heritage Ranch WWTP
- **NCSD Southland WWTP**
- Paso Robles WWTP
- San Miguel WWTP
- San Luis Obispo WRF
- **TCSD Meadowbrook WWTP**



Coastal Discharges

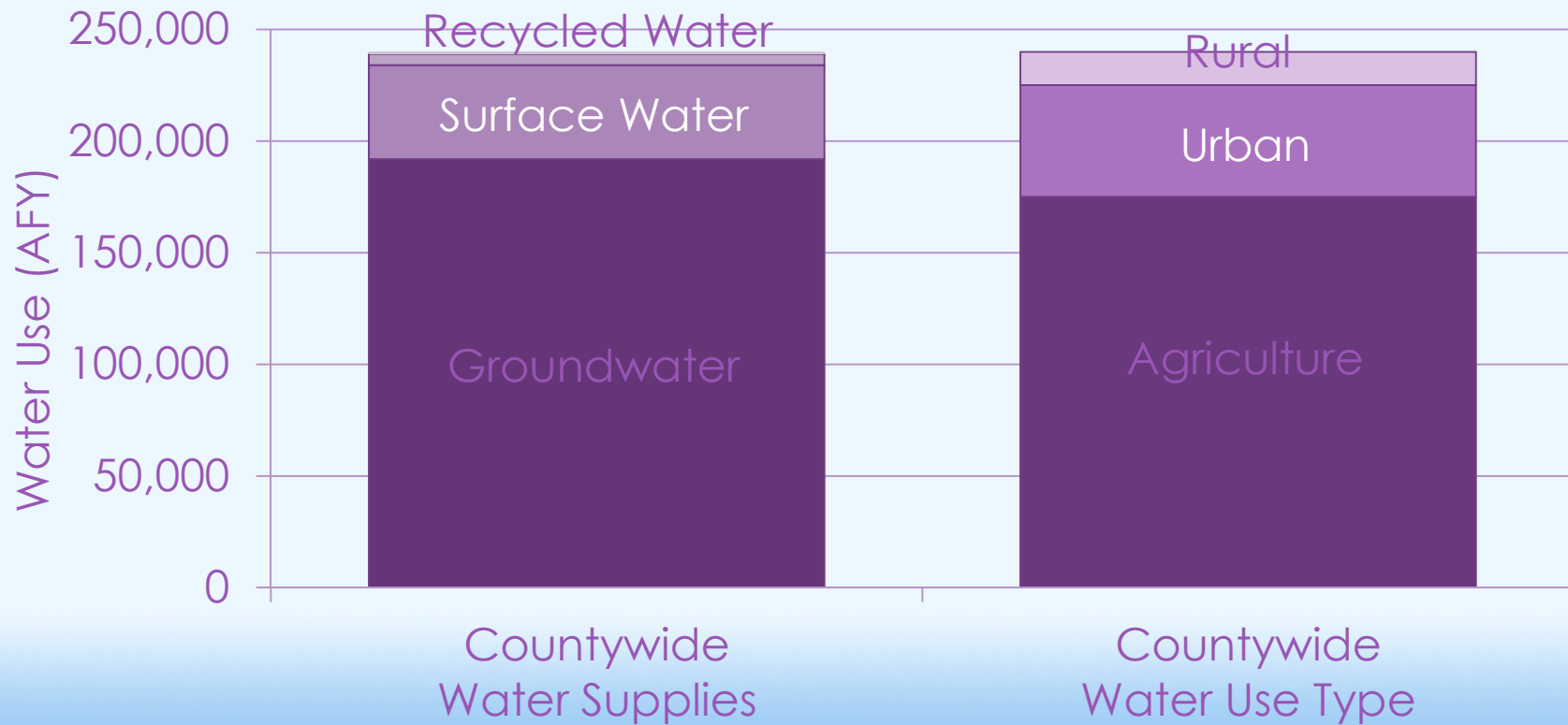


- Avila Beach WWTP
- Cambria CSD
- **City of Morro Bay & Cayucos CSD**
- San Simeon CSD
- **South SLO County Sanitation District & City of Pismo Beach**



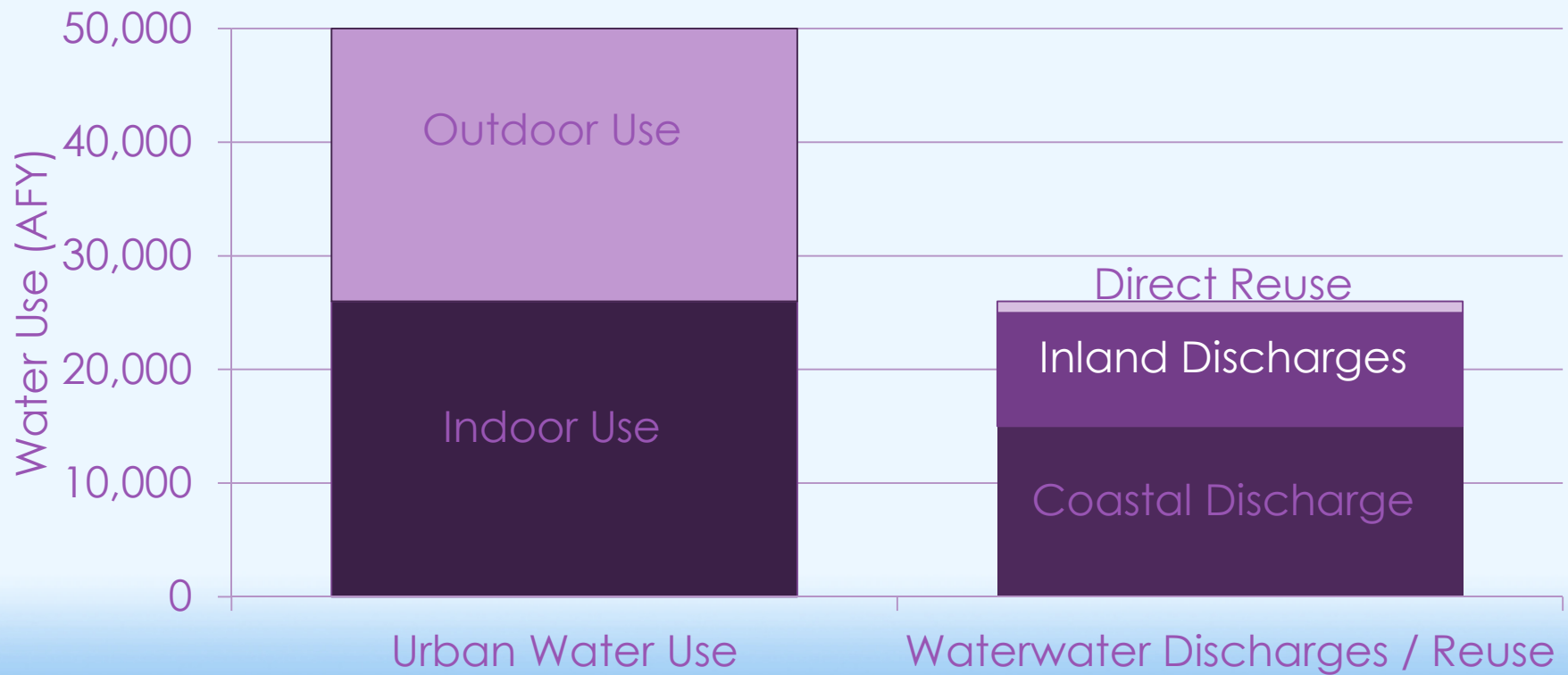
Recycled Water as Part of County's Water Supply Portfolio*

*Very Rough Estimates



Recycled Water as Part of County's Water Supply Portfolio*

*Very Rough Estimates



Barriers to Reuse

- Cost
 - Treatment
 - Distribution
 - Customer
- Cost of Alternative Water Supply
- Revenue
- Customer Acceptance / Water Quality
- Regulations, Permits
- Public Acceptance



Types of Water Reuse

- Urban Reuse / Landscape Irrigation
 - Limited Opportunities
- Agricultural Reuse
 - Large Opportunities
- Environmental Reuse
 - Moderate Opportunities
- Industrial Reuse
 - Limited Opportunities
- Potable Reuse (Groundwater Recharge, Reservoir Augmentation)
 - Moderate Opportunities



RRWSP Participants Status

	Urban	Agriculture	Environmental	Potable
Templeton	💧	💧		💧
Morro Bay	💧	💧	💧	
Pismo Beach	💧	💧		💧
SSLOCS		💧	💧	💧
NCSD	💧			💧



Next Steps

- Morro Bay WRF Planning/Design/Construction
- Pismo Beach Recycled Water Facilities Plan
- Santa Maria Groundwater Basin Characterization
- Paso Robles Groundwater Basin 'Robust' AB3030
- Arroyo Grande Creek Habitat Conservation Plan
- Salt and Nutrient Management Plans
- Agricultural Outreach (TBD)

>> Apply lessons learned from operating projects (SLO, Los Osos, Monterey, Pajaro Valley, etc.)



Please contact me

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