### Inland California's Water Story

**Bob Tincher** 

San Bernardino Valley Municipal Water District

**Rich Haller** 

Santa Ana Watershed Project Authority **Peter Kavounas** 

Chino Basin Watermaster

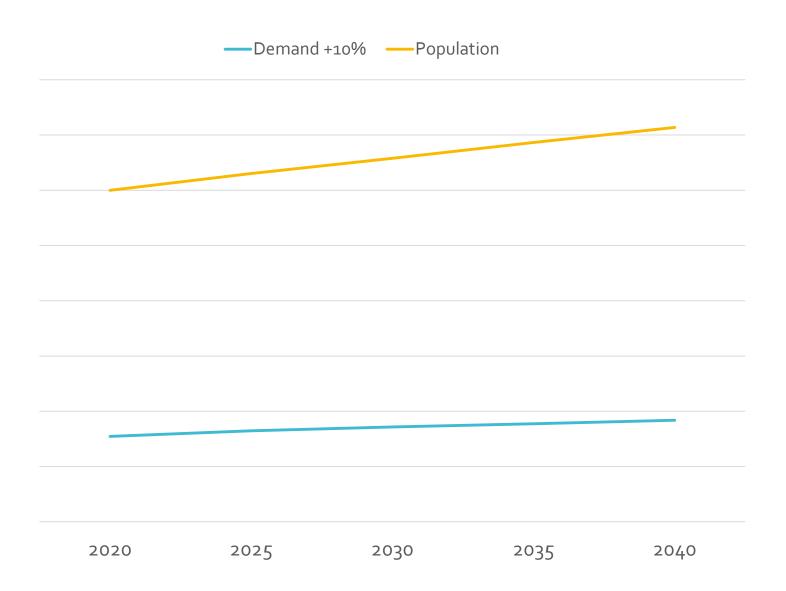
Nicholas Schneider

Mojave Water Agency

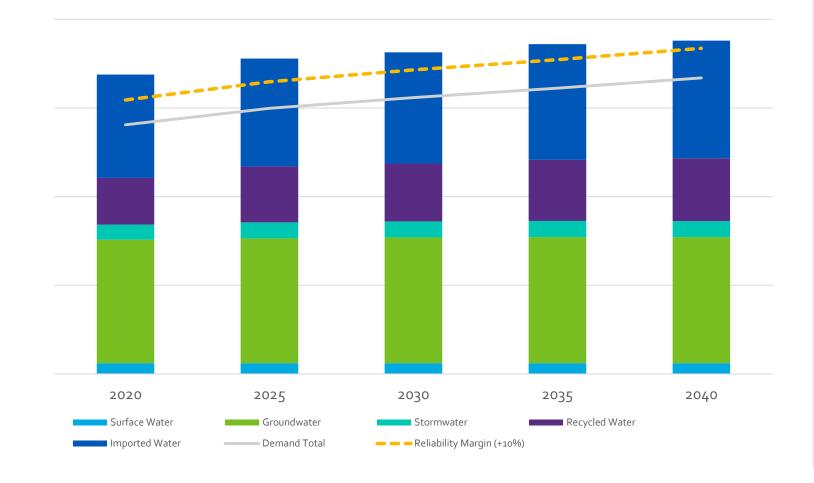
#### Our Story is About Investment in Reliability



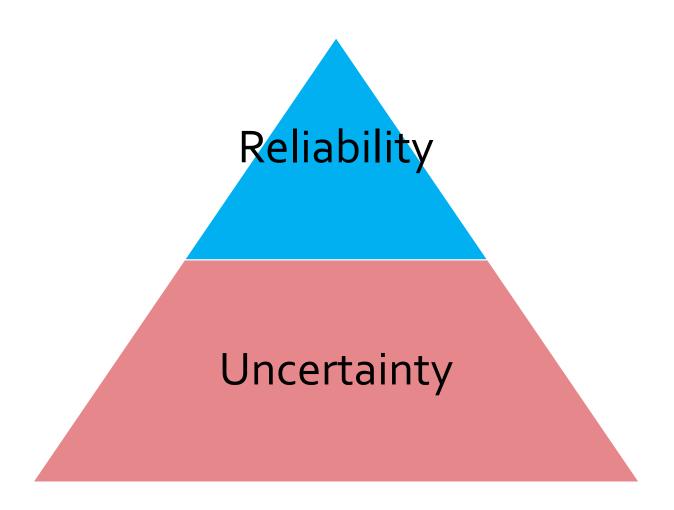
## It Begins with a Commitment to Reduce Water Waste...



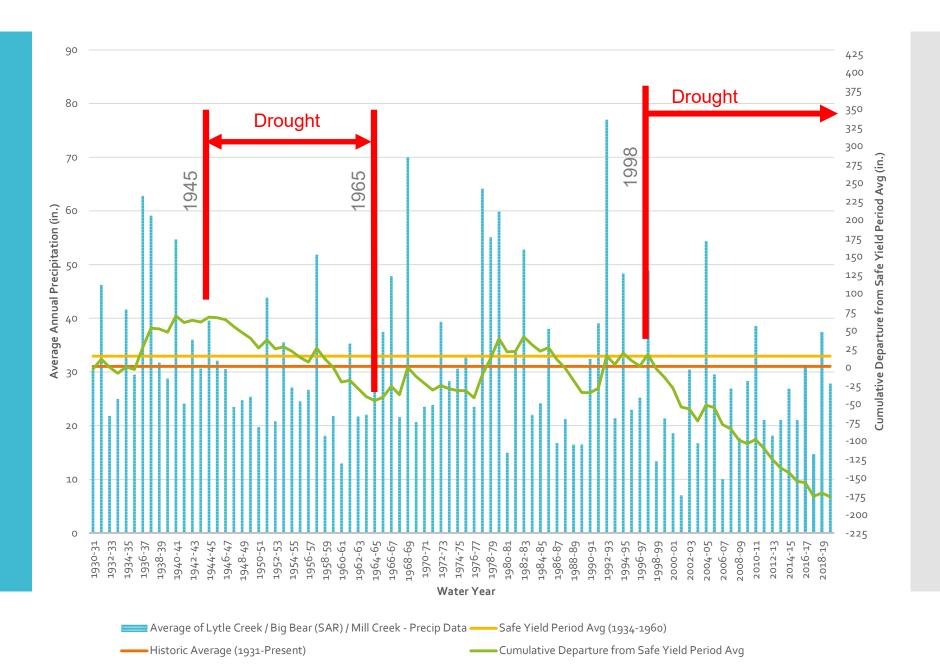
# ...and is Achieved by the Investment in a Diverse Water Supply Portfolio



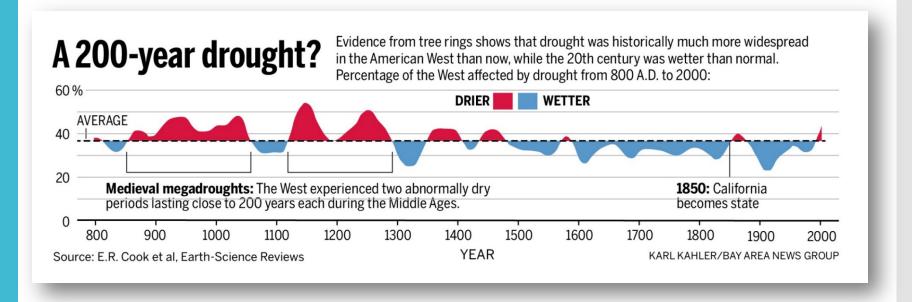
Uncertainty is Reliability's Greatest Enemy



Drought
Uncertainty is
Common in
Inland
Southern
California



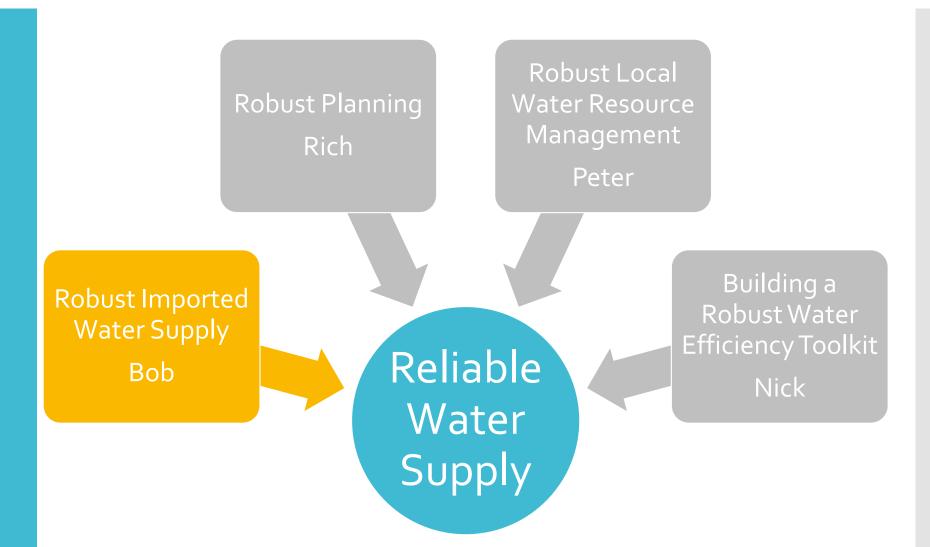
## Length of Future Droughts is Uncertain



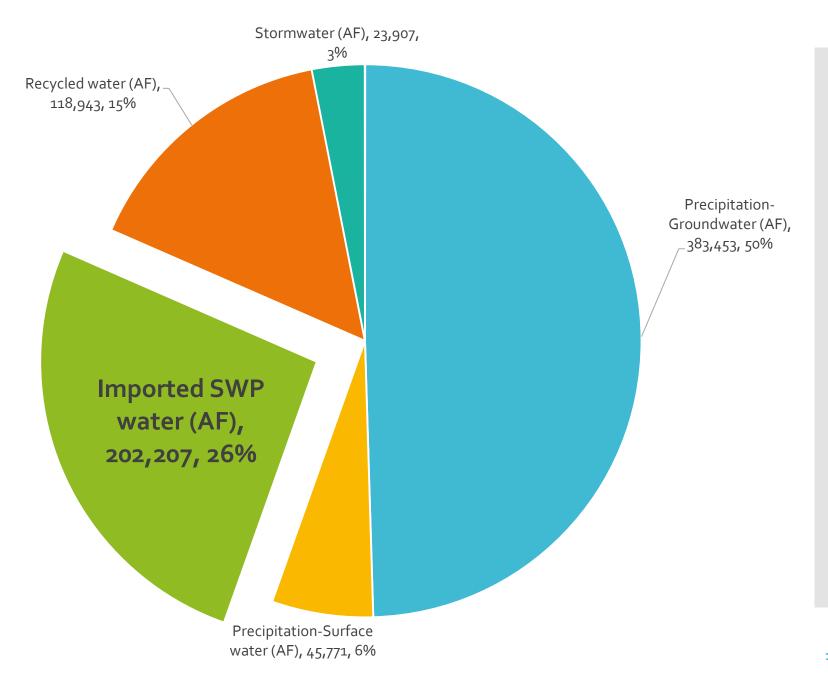
#### The Inland Southern California Approach



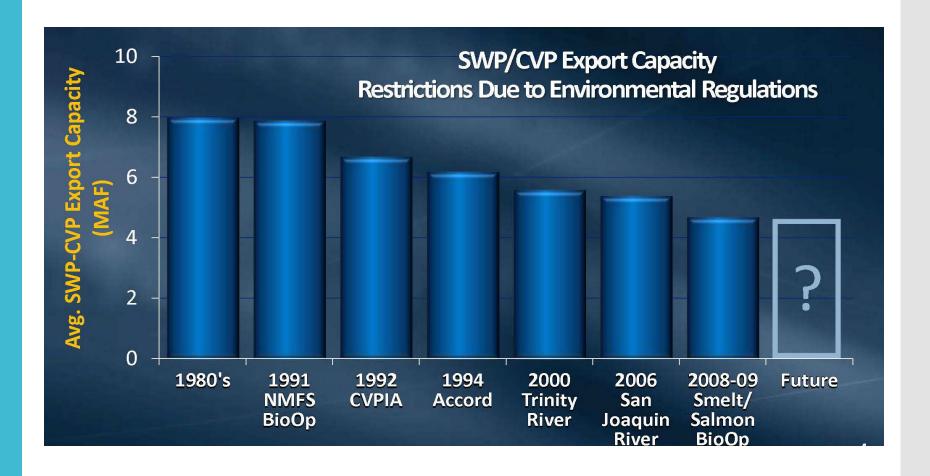
#### The Inland Southern California Approach



#### Local Supplies Are Not Enough

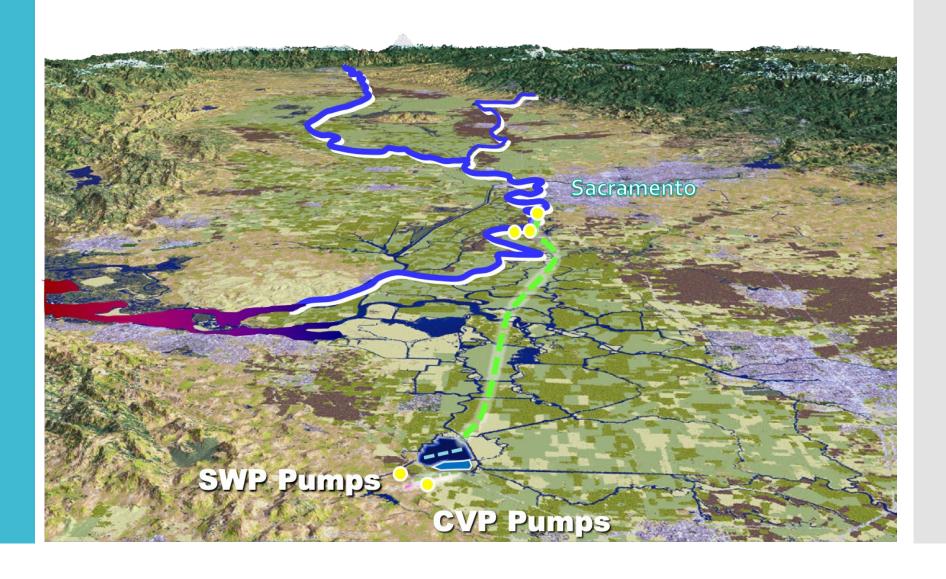


### Imported Water Uncertainty



Restoring Lost Imported Supply

Delta
Conveyance:
Routes Water
Under the
Delta



## Restoring Lost Imported Supply

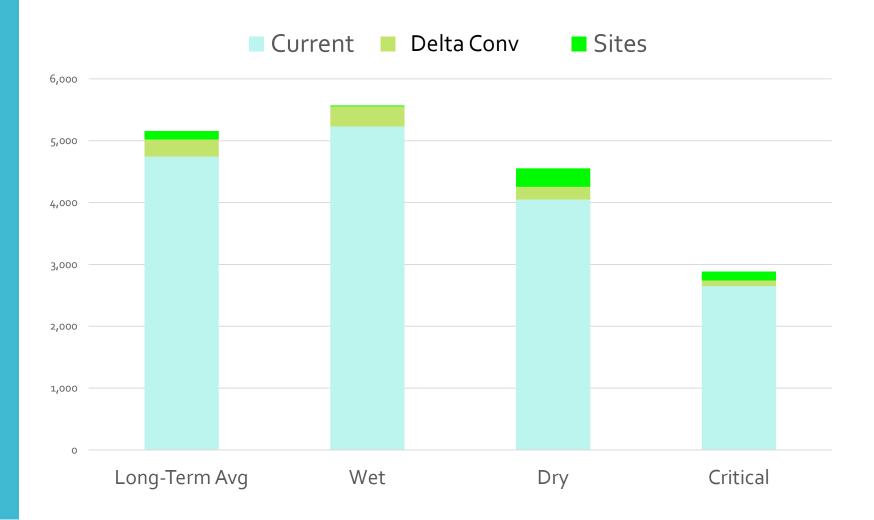


Reservoir

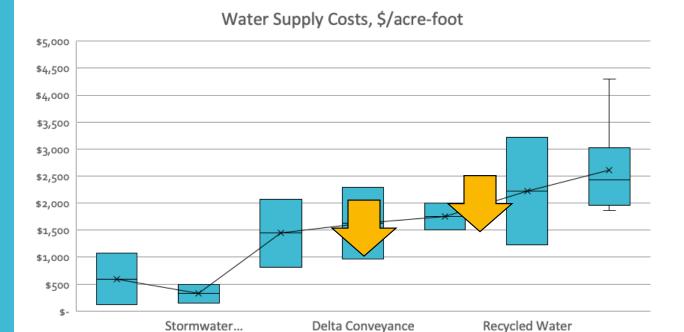
Adds Storage Helps Salmon



## Delta Conveyance and Sites Compliment Each Other



Delta Conveyance and Sites are Price Competitive Because of Previous Generation's Investment in Infrastructure



Nonpotable reuse

Desalination

Sites

**SWP** 

## Imported Water Uncertainty Increased Due to Myths

#### Myth

It is Northern CA's water

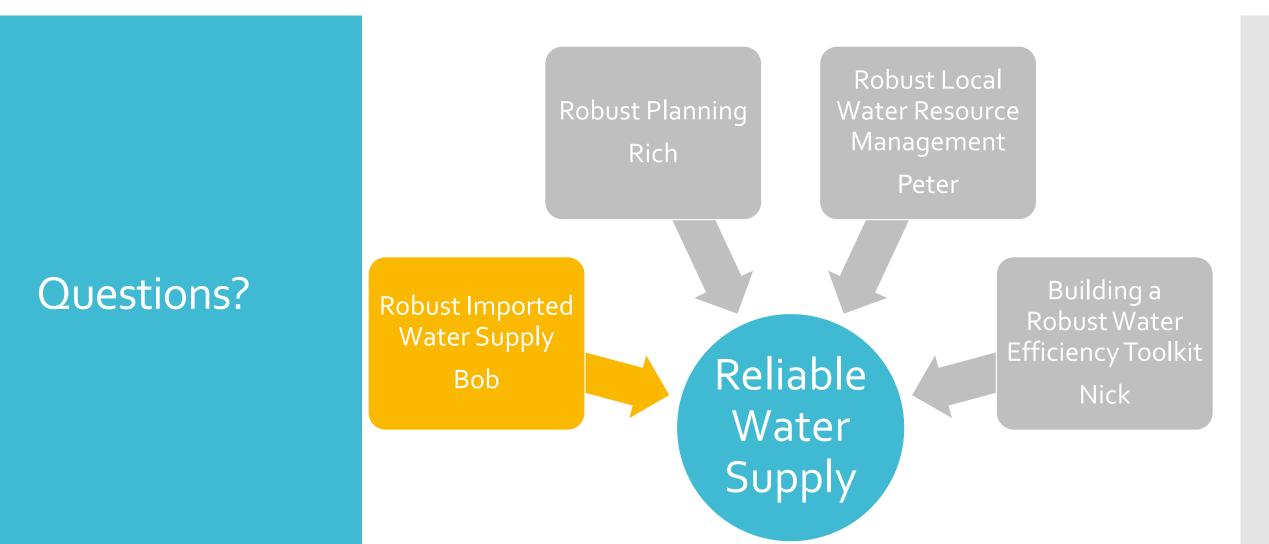
- 2. Why should I pay to move water to Southern CA?
- We do not have enough water
- 4. The exports harm fish in the Delta

#### Response

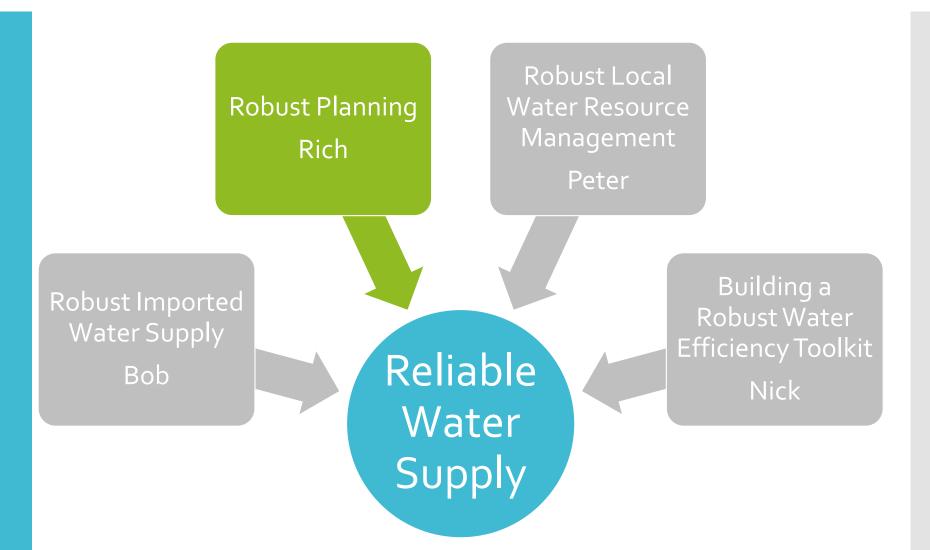
- The water in the State of CA belongs to the whole state.
   We built a dam to capture water that was going into the ocean
- Only beneficiaries of imported water pay
- We only export about 20% of the water in the Delta
- 4. There are lots of stresses on the fish in the Delta with no "smoking gun". Fish need water and the SWP puts additional water in the Delta

#### You Can Help by Supporting Delta Conveyance and Sites Reservoir

- Get informed
  - Delta Conveyance: <a href="https://water.ca.gov/deltaconveyance">https://water.ca.gov/deltaconveyance</a>
  - Sites Reservoir: <a href="https://sitesproject.org">https://sitesproject.org</a>
- Get involved
  - Spread the word
  - Contact the State Assembly
  - Contact Congress
- We can provide water for both the environment and for people but we can't do it without your help!



#### The Inland Southern California Approach





#### **SAWPA**

- Joint Powers Authority
  - EMWD, IEUA, Valley, OCWD, WMWD
- Mission
- Staff
- Budget
- JPA Implementation Project Agreements

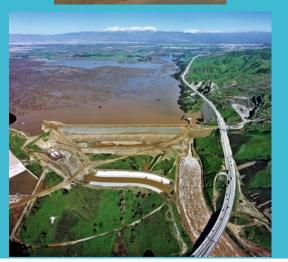


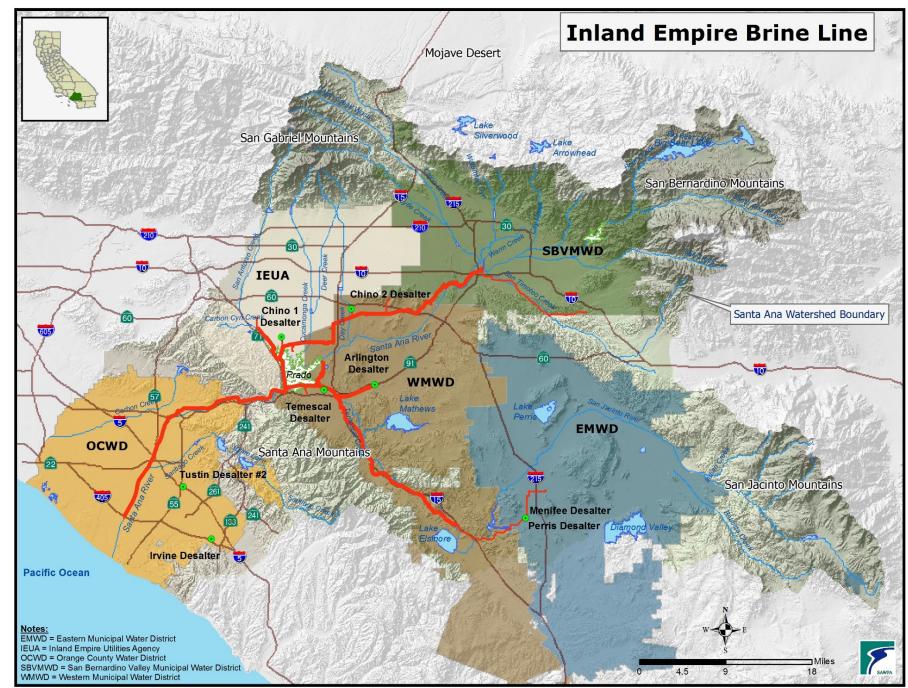


#### **SAWPA Primary Activities**

- Inland Empire Brine Line (formerly known as Santa Ana Regional Interceptor - SARI)
- "Roundtable" facilitator of several multiagency task force efforts
- Long term regional water planning OWOW







# New Customers in 2020 – City of Beaumont, Rialto Bioenergy

#### **Inland Empire Brine Line**

- Established 1972
- 73 miles, \$350M+
- 11 Million Gallons/Day Brine Wastewater
- 6 Brackish Groundwater Desalters
- Industry food processing, ultrapure water
- Power Plants cooling water
- Temporary Domestic

#### **OWOW Activities**



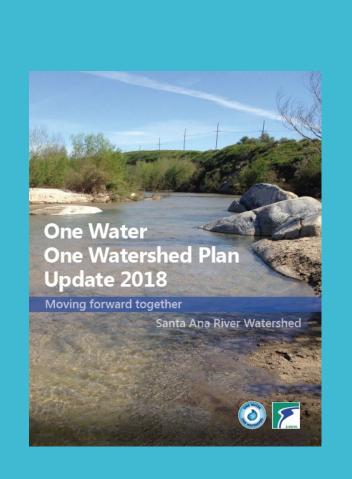
#### **OWOW 2018 Plan Update**

- Integrated Regional Water Management
   Disadvantaged Communities Program ongoing
  - Technical Assistance Program \$2M, 23 Projects
    - Implementation Funds \$4M (2021)
  - Hosting statewide summit October 8,13,14

#### **Grant Programs**

- Prop 84 funding rounds 1 4 \$100M, 36 projects
- Prop 1 Round 1, \$21M, 10 projects
- Prop 1 Round 2, \$23M, Pending (2021)

#### **OWOW Plan Update 2018**

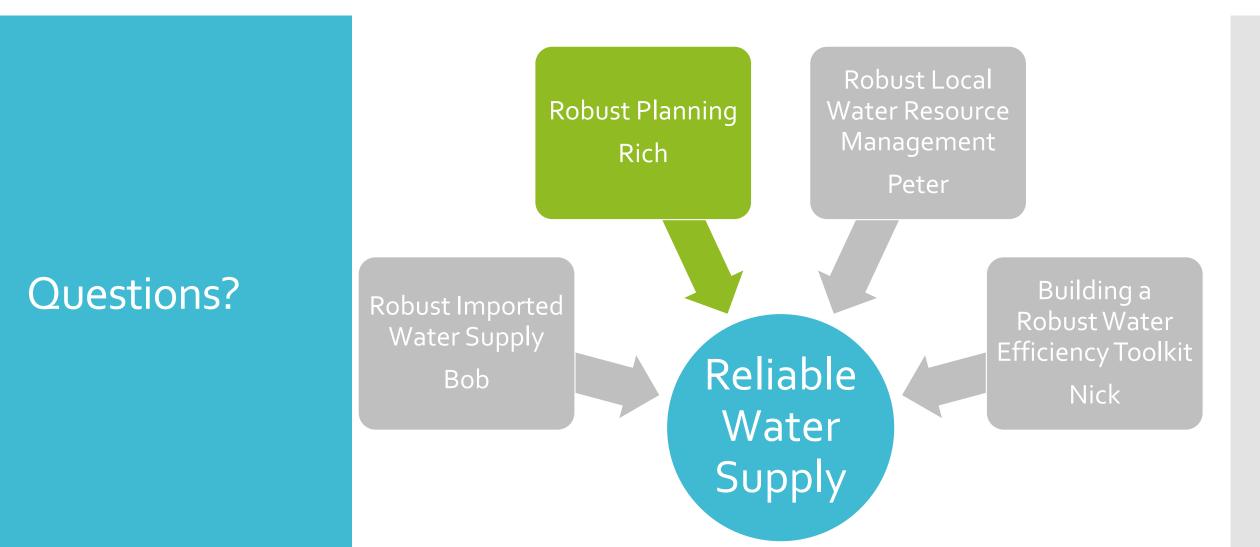




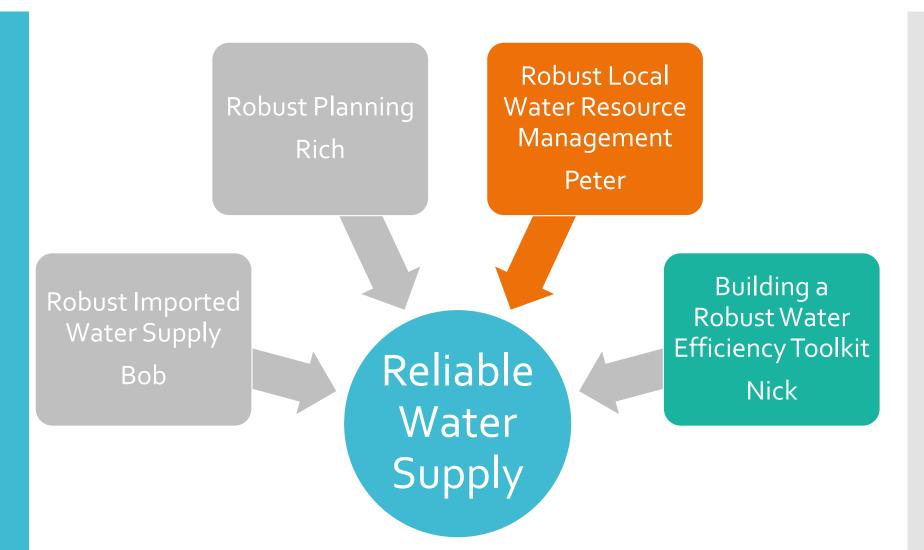
#### Next Steps

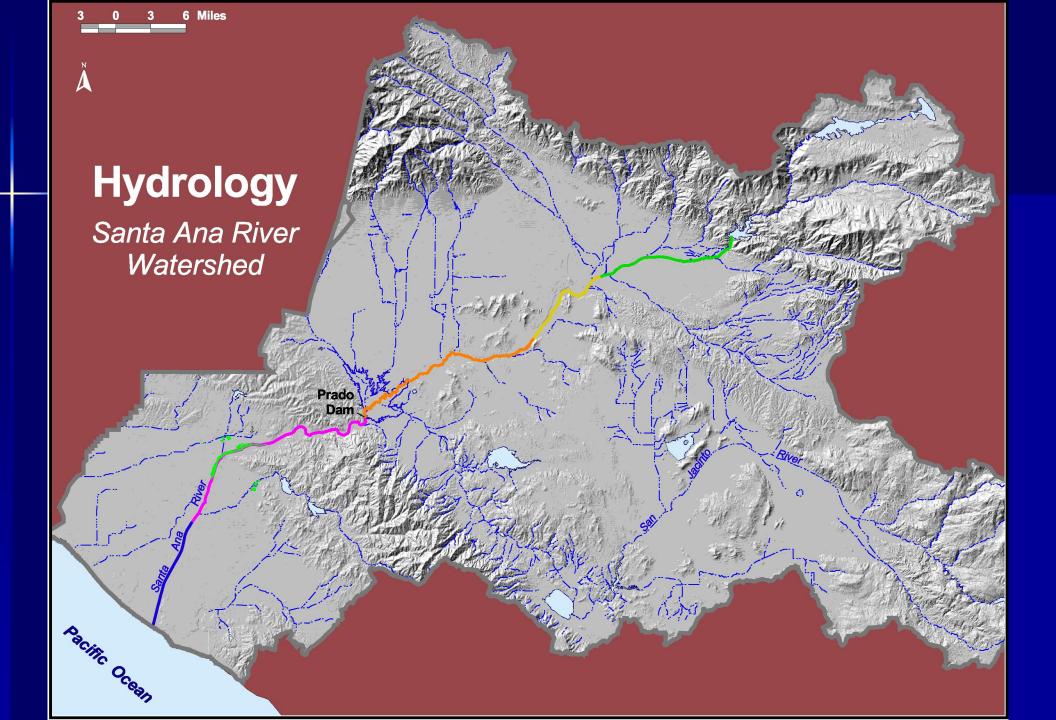
#### **Continue Regional Planning – Integrated Regional Watershed Planning**

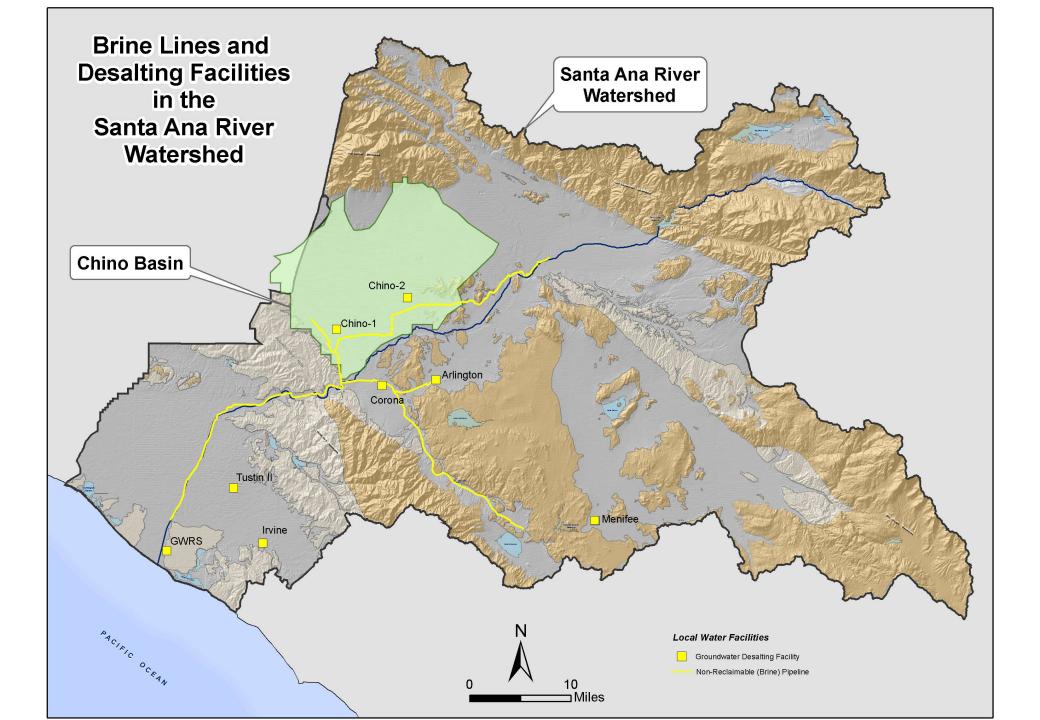
- Multi-Benefit Projects
- Collaboration/Cooperation
- Expand Traditional Stakeholders land use
- Resiliency Portfolio

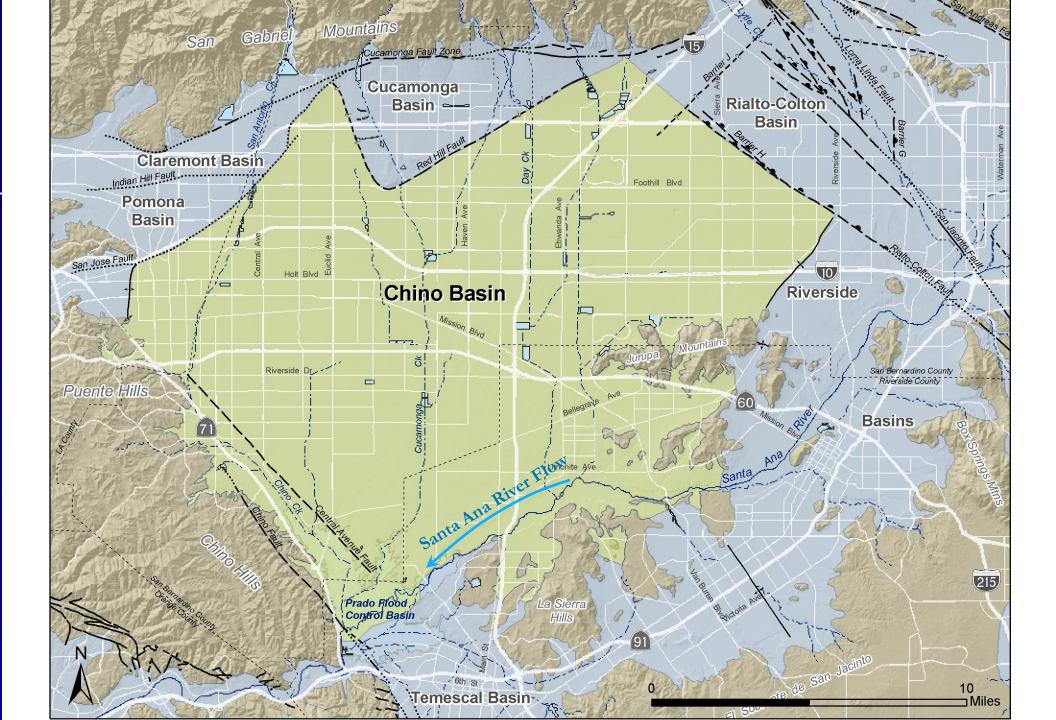


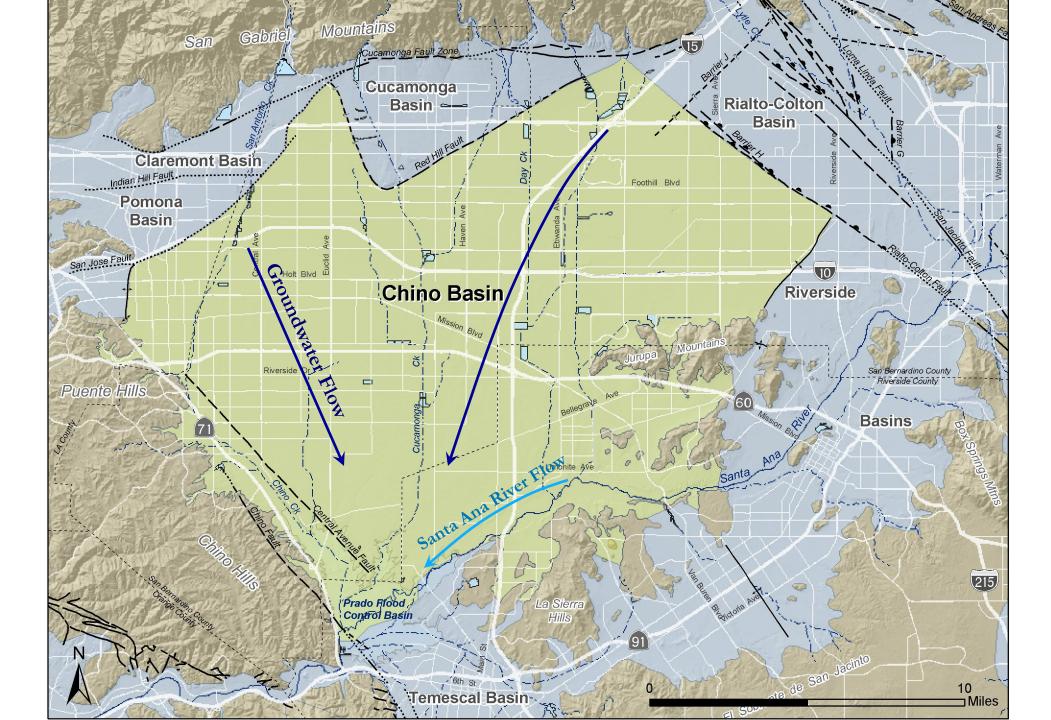
#### The Inland Southern California Approach

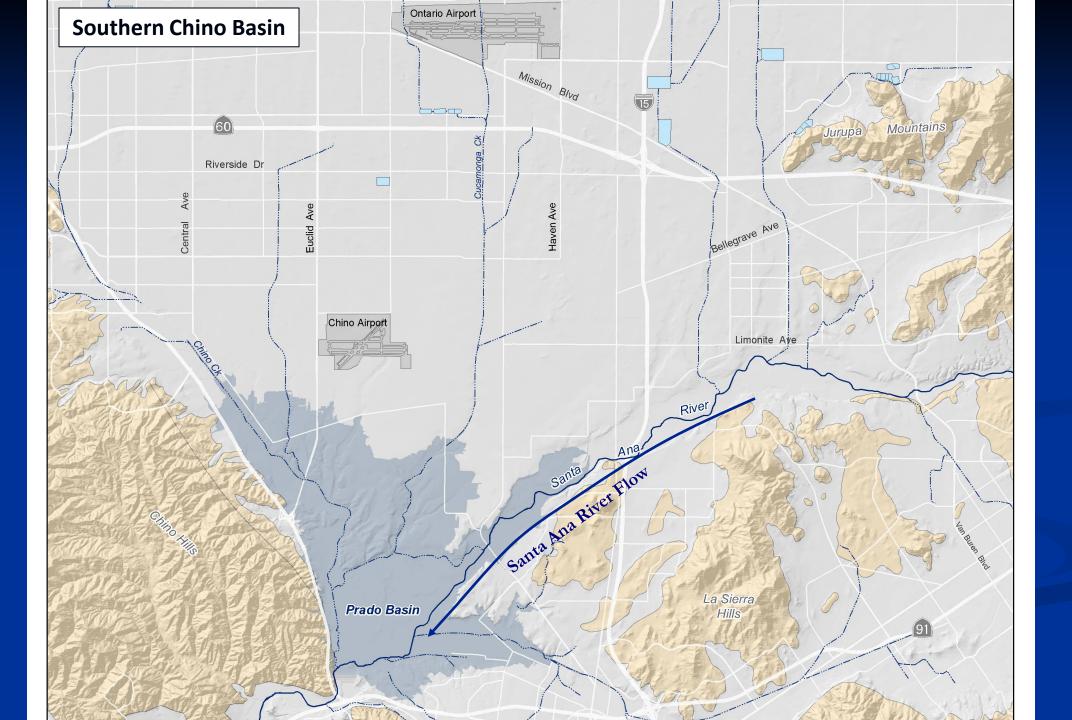


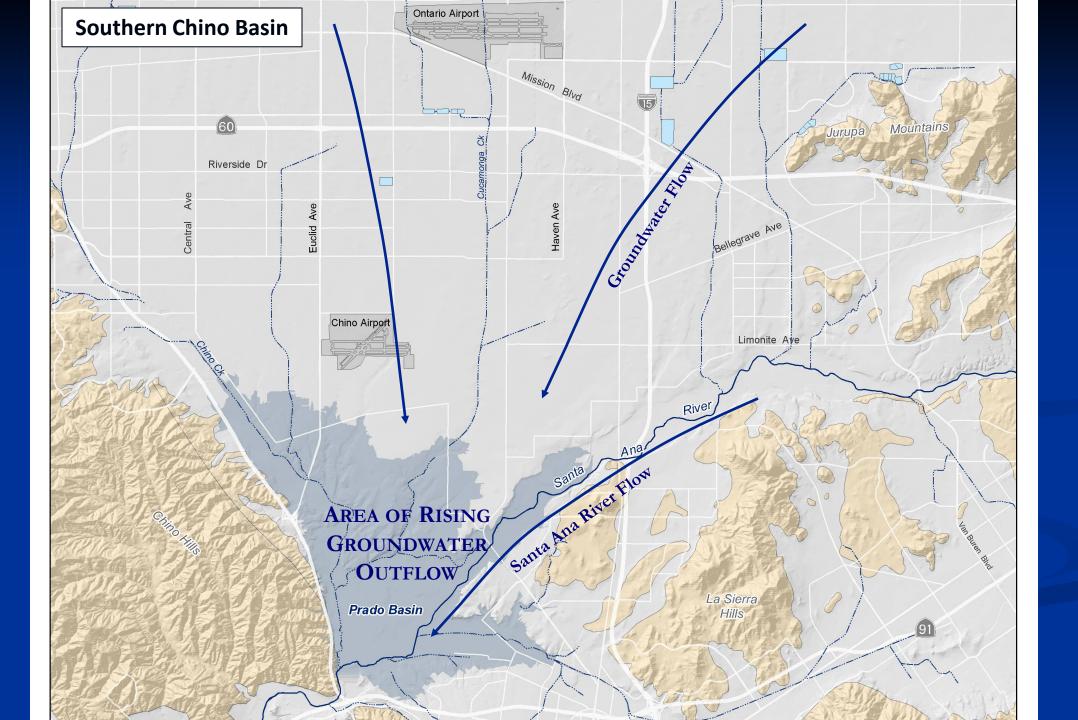


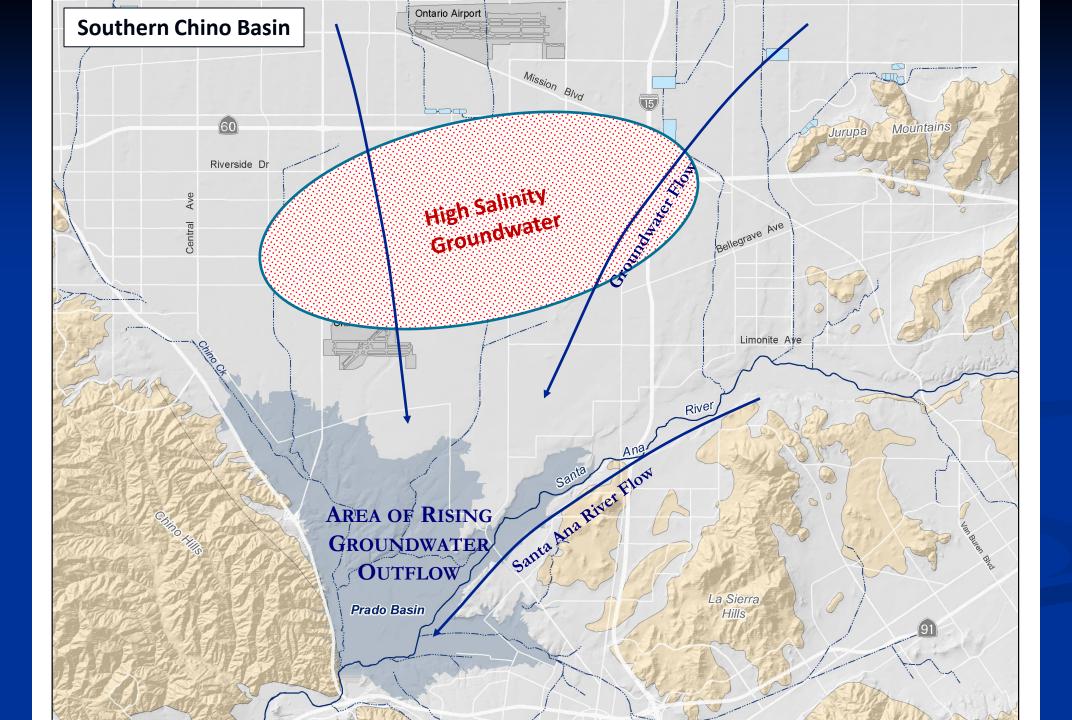


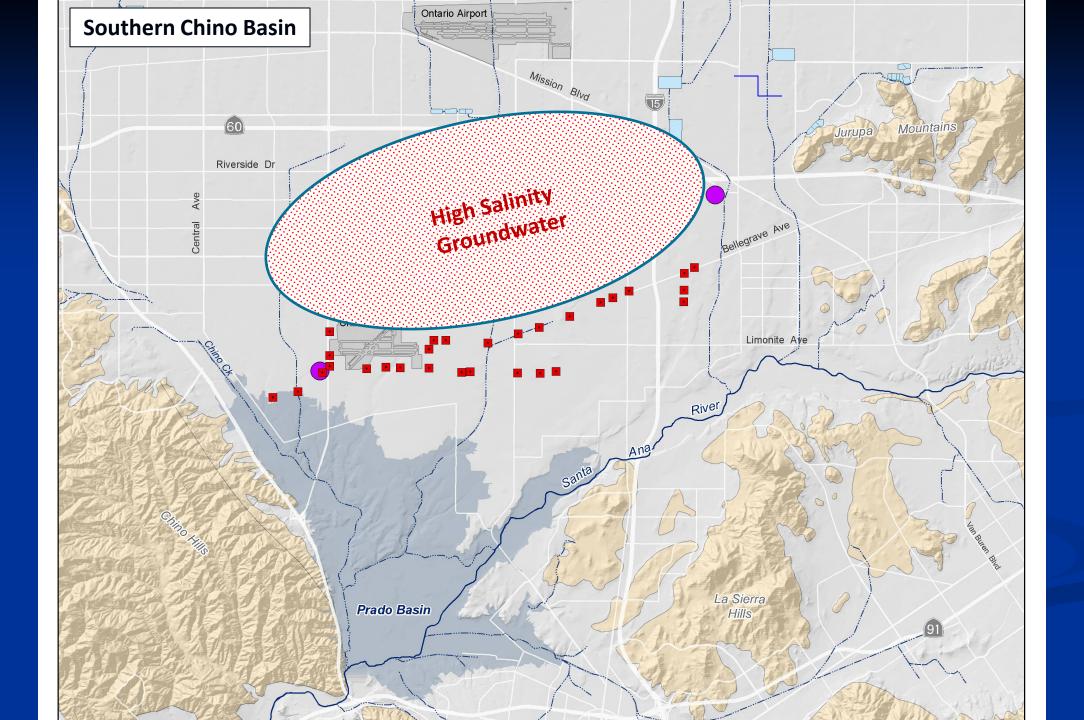


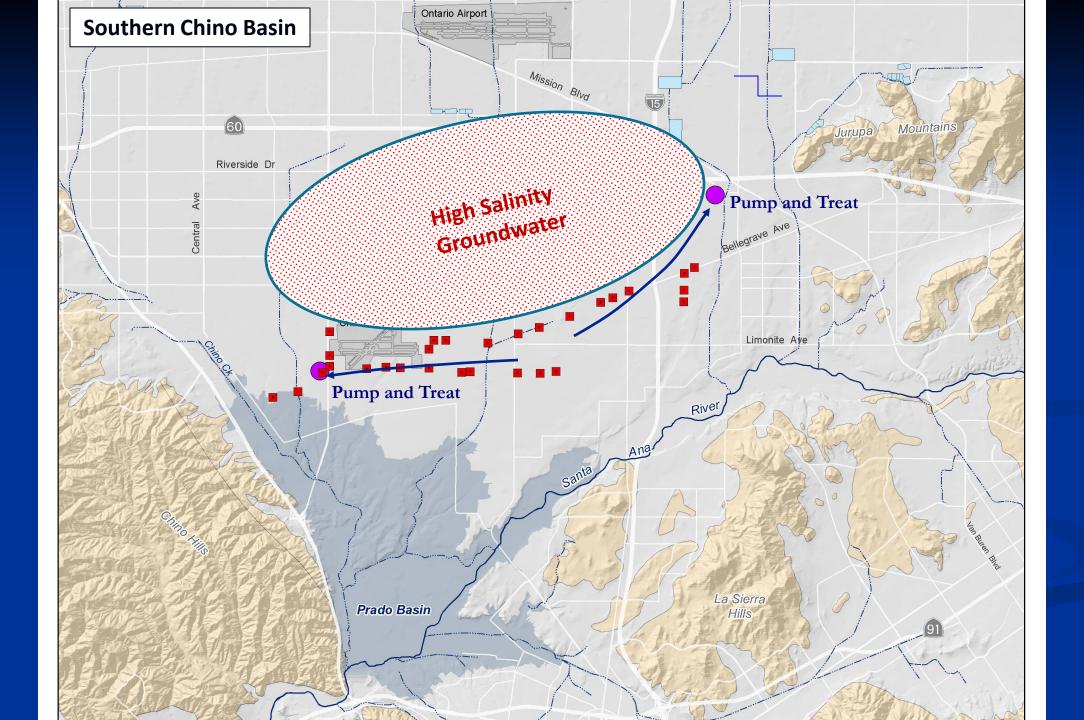


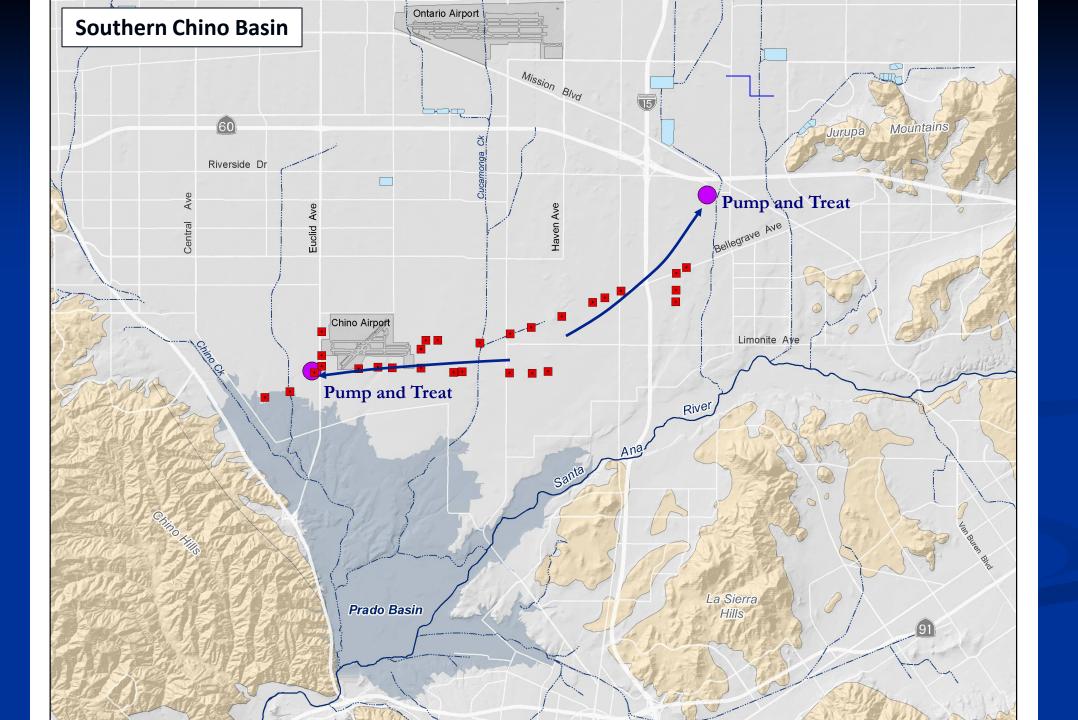


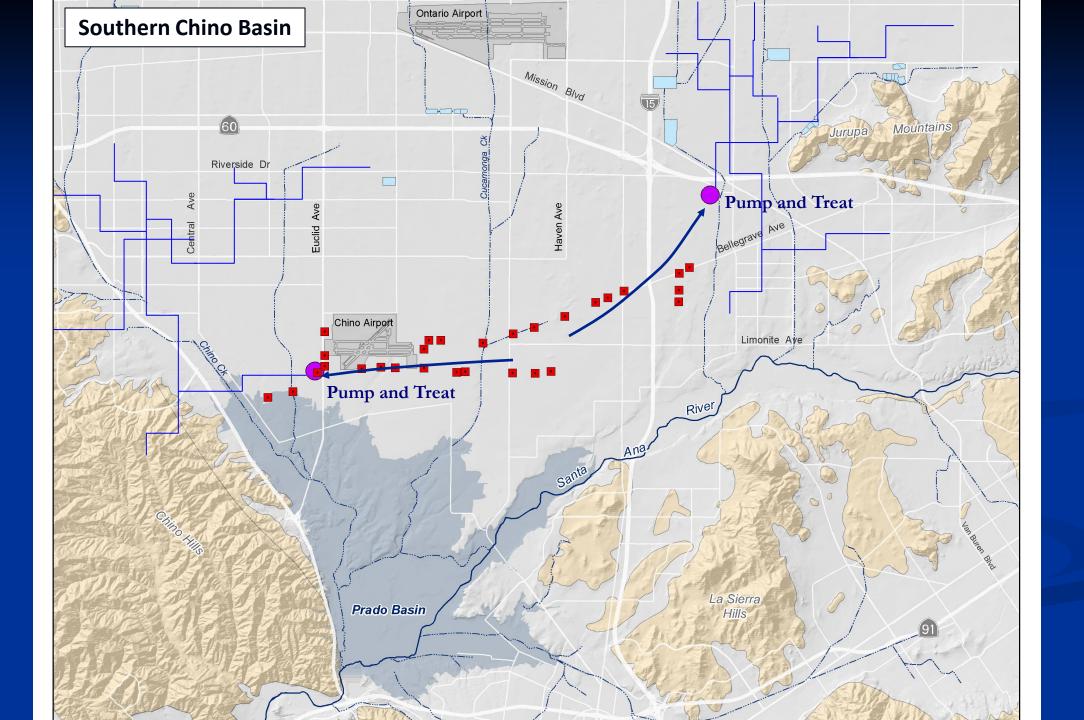


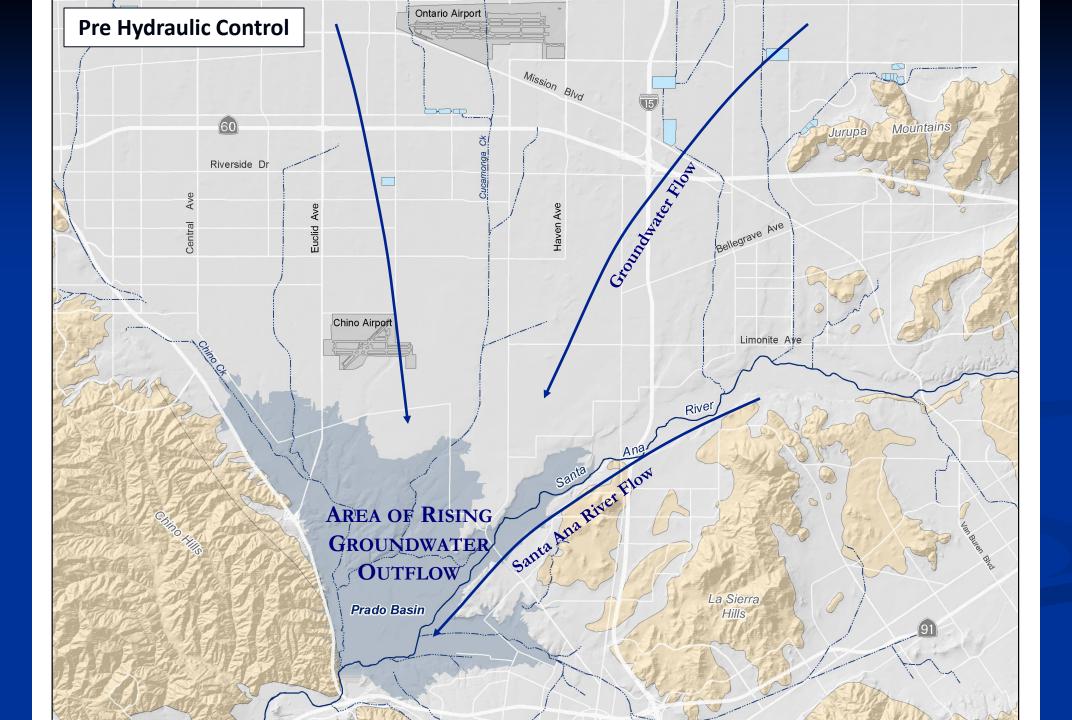


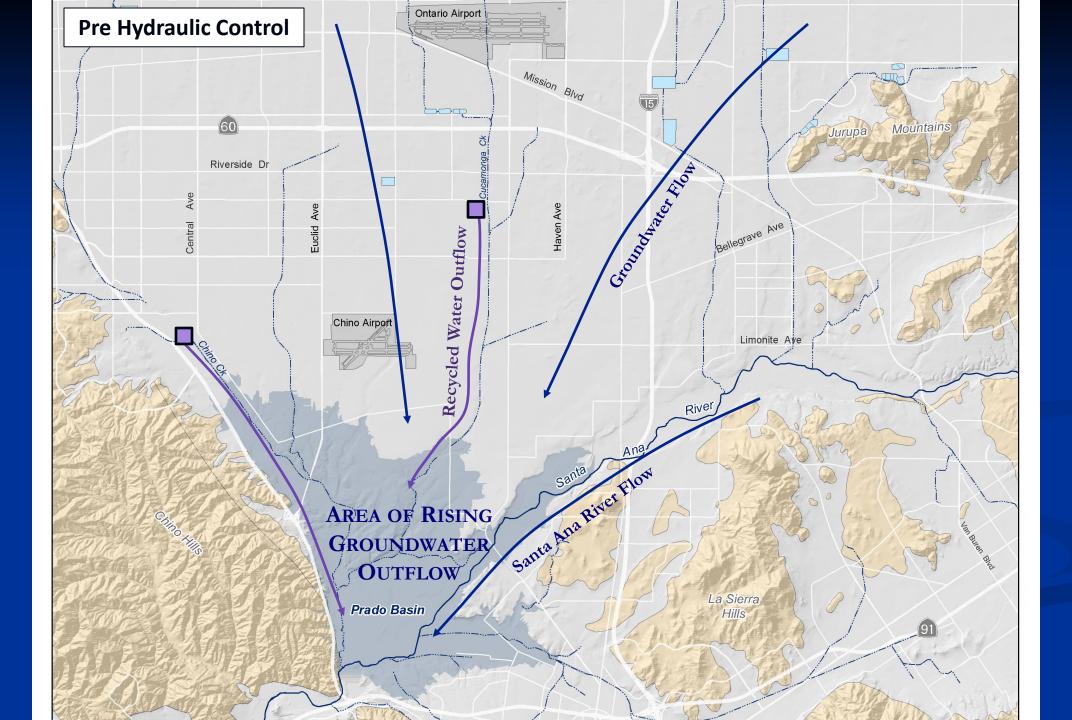


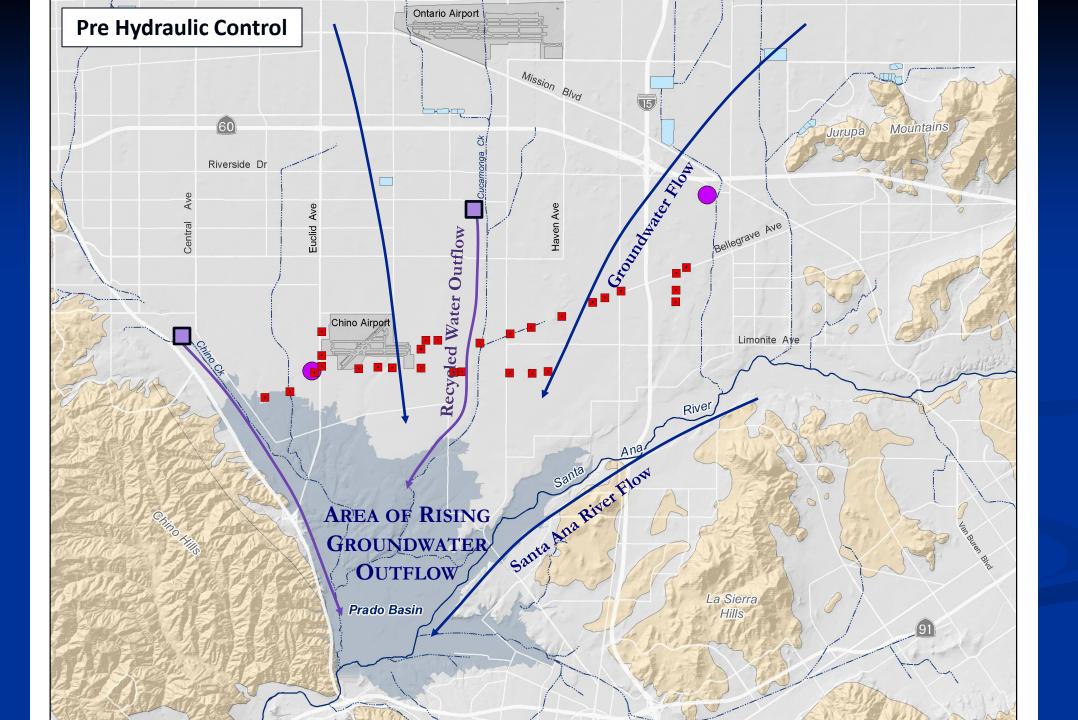


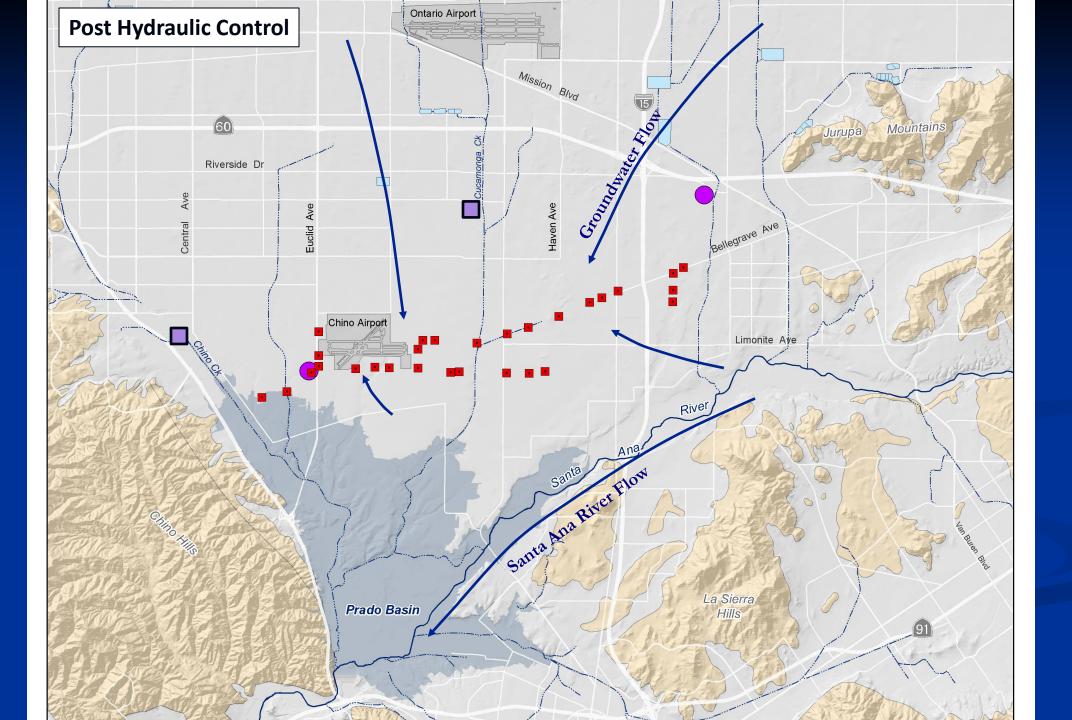


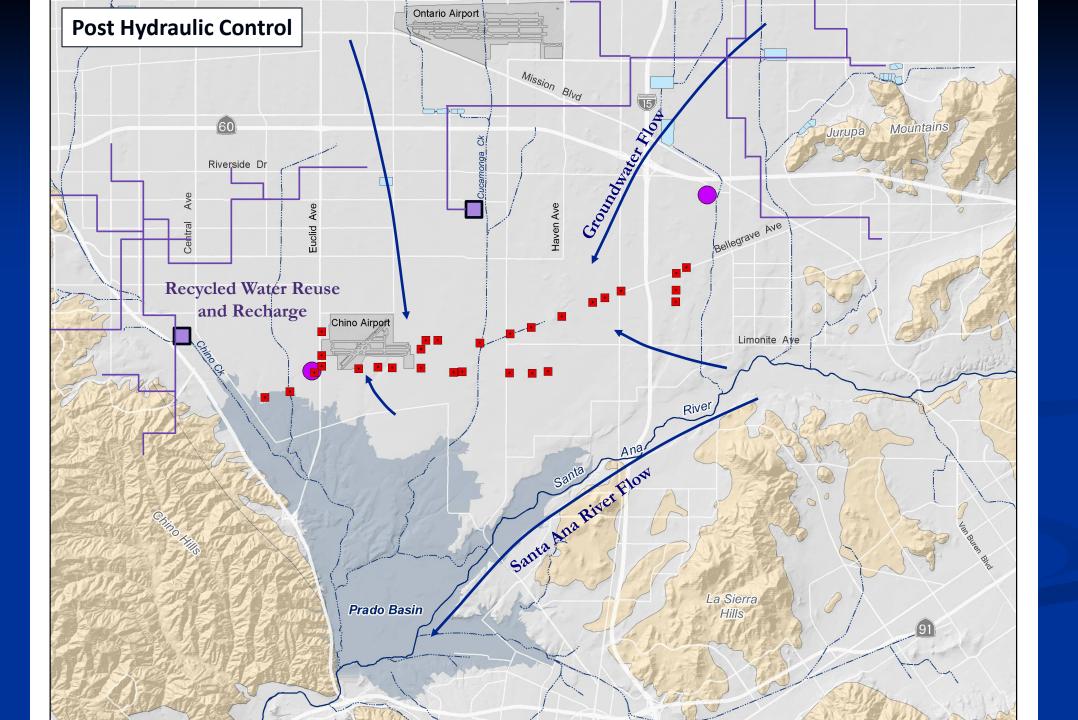


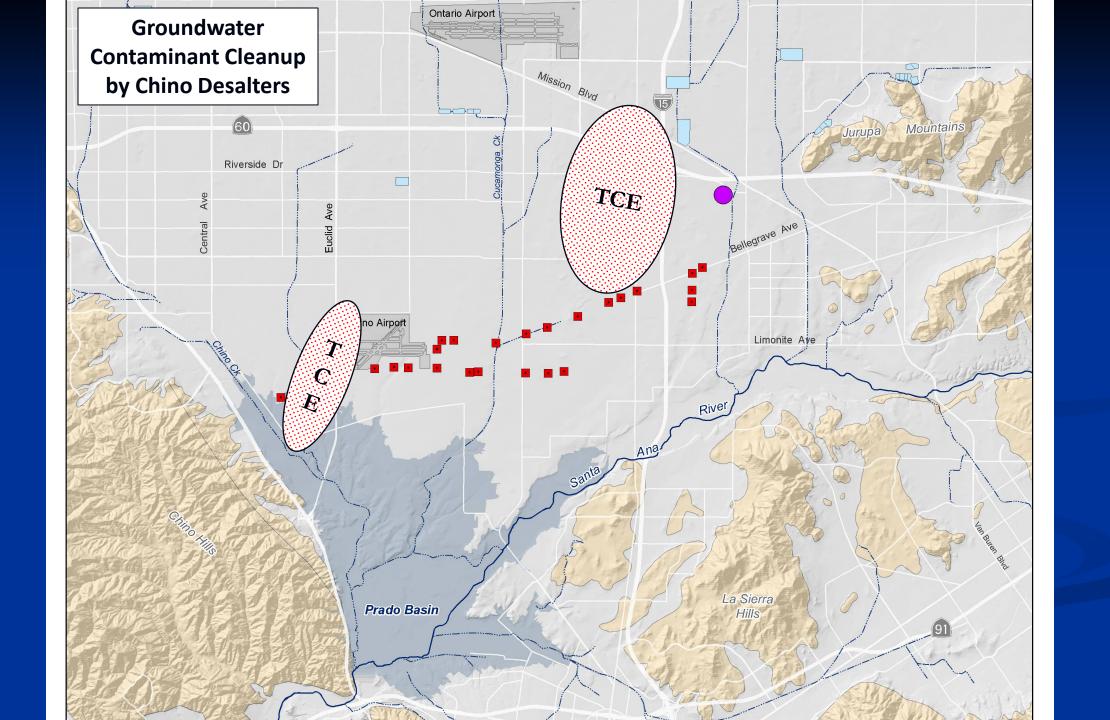


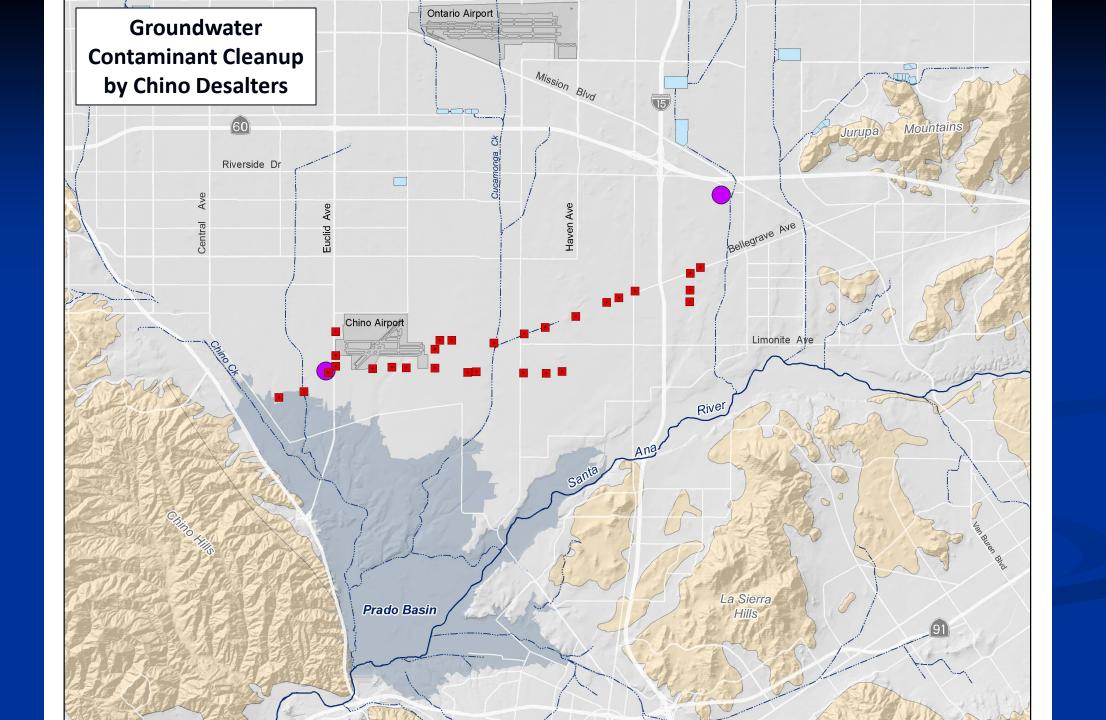












#### Prerequisites for the Chino Desalters

- Vision
- Commitment to cooperate by locals
- More than \$120m in grants

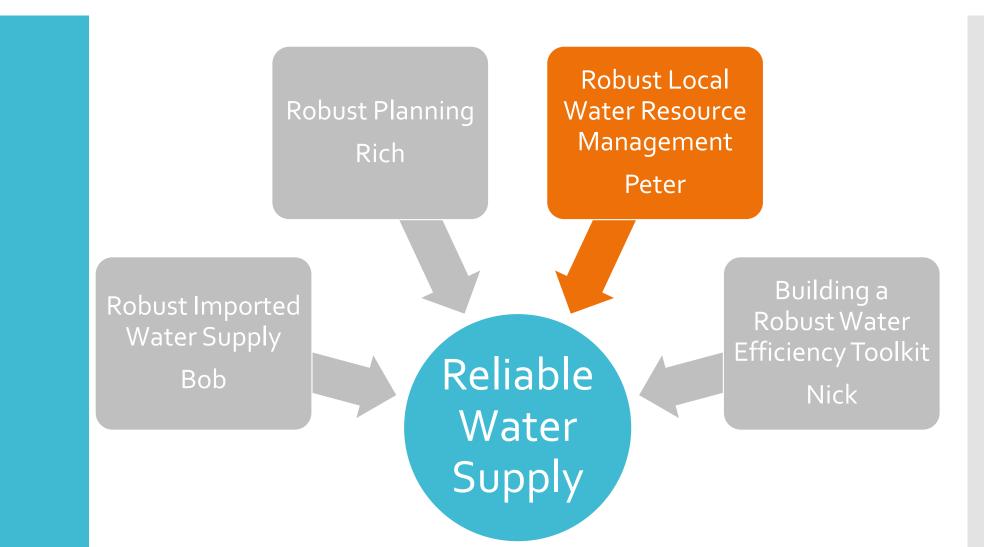
#### Challenges in Chino Basin

- "Armoring" has led to less infiltration of rainfall;
   <u>Key takeaway</u>: Development with infiltration opportunities is important
- Conservation has led to less irrigation, which has reduced Basin recharge; and, Conservation has lowered indoor demand, which has reduced recycled water;
   <u>Key takeaway</u>: Well-intended mandates can have unintended consequences

#### Challenges in Chino Basin

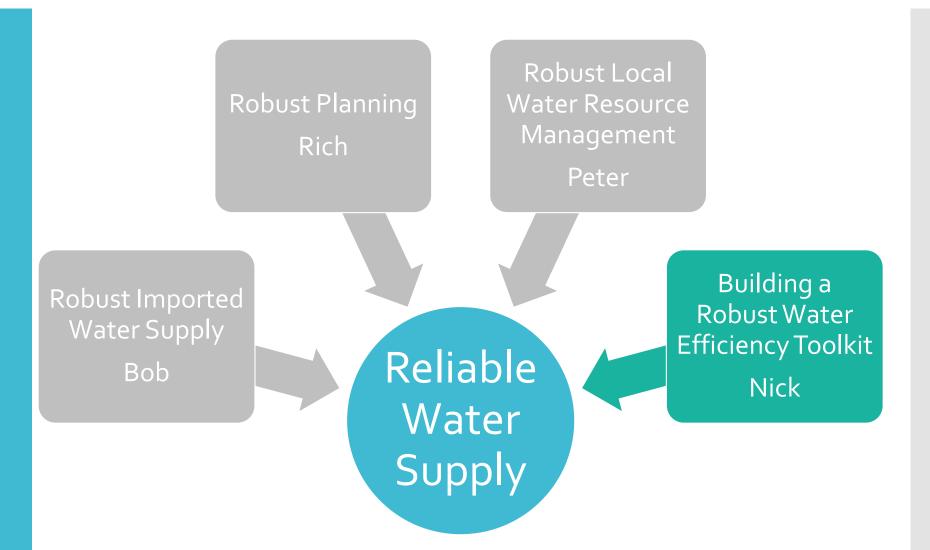
Resources are finite, may lead to local competition;
 local competition may endanger water supply reliability
 for all local jurisdictions;

Key takeaway: the development community works across all local jurisdictions and can help by emphasizing the collective well-being of the region



Questions?

### The Inland Southern California Approach





#### San Bernardino Water Conference August 14, 2020

# Building a Robust Water Efficiency Toolkit



#### Presentation Outline

#### Regulations

- What are the newest regulations in the State of California?
- What parts are still under development and how we can work out their development?

#### > Tools

- What are some of the programs the MWA offers to help local districts?
- Next steps



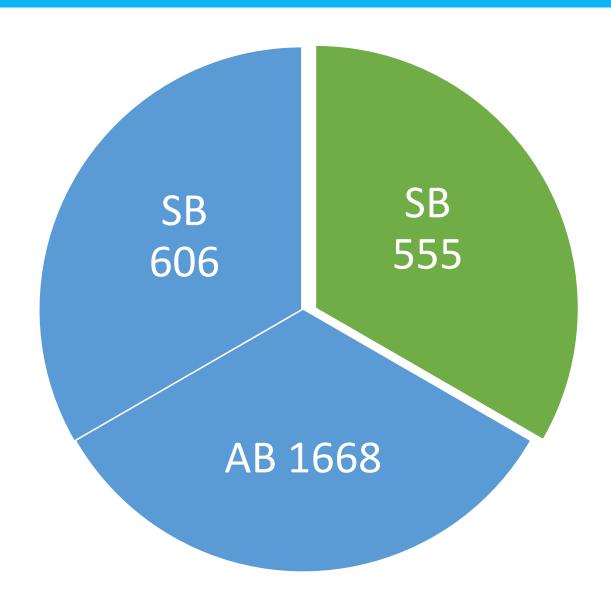
# Making Conservation a California Way of Life

A package of efficiency regulations will shape the future of water in California.





# **Efficiency Regulations**





#### What do We Know?

- Indoor water usage target is set at 55 GPCD until 2025.
  - Standards will be in place by 2022.
- > This goal will be reduced to 50 GPCD by 2030.
- This will not be measured on an individual basis, but as an aggregate throughout a water purveyor's service area.



# What is Still Under Development?

- Many of the standards are still being developed.
  - Residential outdoor water use.
  - Water purveyor system water losses.
  - Any variances to included based on local needs.
- It's important to engage on the continuing development of these standards.
  - Legislation and regulatory.



Indoor Water Requirement

Outdoor Residential Water Usage

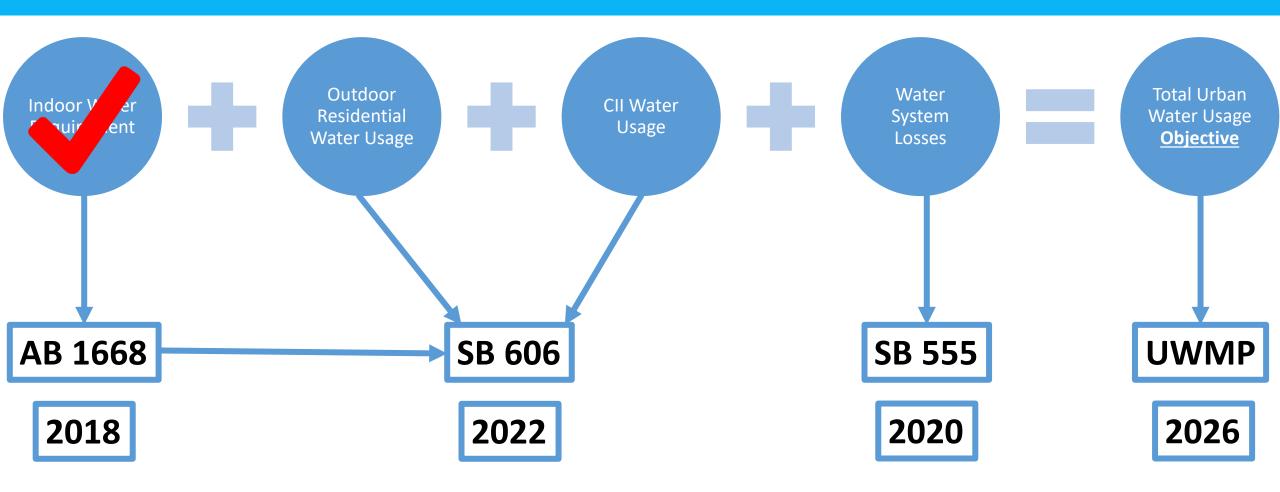
Usage

CII Water Usage

Objective









# How does this affect Small Water Systems?



# How MWA Engages Rural Communities?

#### Small Water System Program:

- Developed a program to help Disadvantaged Communities.
- Needs Assessments performed for all 35 small water agencies.
- Infused local money to earn larger statewide and federal grants.
  - > \$1=\$10



# How MWA Engages Rural Communities?

#### Small Water System Program:

- Began working with California Rural Water Association to help service the smaller communities.
  - Leak Detection services for these districts.
  - Utilize their technical assistance services.



### How MWA Engages Rural Communities?

#### **County Drought Advisory Group:**

- Helping smaller water agencies be prepared for the next drought.
- This will help them develop Water Shortage Contingency Plans.
- Identifying at-risk water districts.

#### SB 200 – S.A.F.E.R. Program

- Faster funding source.
- Unique ability to incorporate O&M costs.



# \* Take Aways...

- Engage with the various State agencies that are imposing the regulations.
- 2. Demonstrate that our service areas are all unique to effectively shape legislation and regulations.
- 3. Establish relationships with various State agencies to:
  - Develop mutual understanding of challenges of both state processes and local needs.
  - 2. Receive notification and insight on grant opportunities.



Nicholas Schneider
Water Conservation and
Forecast Manager



Mojave Water Agency 760.946.7000

nschneider@mojavewater.org

