



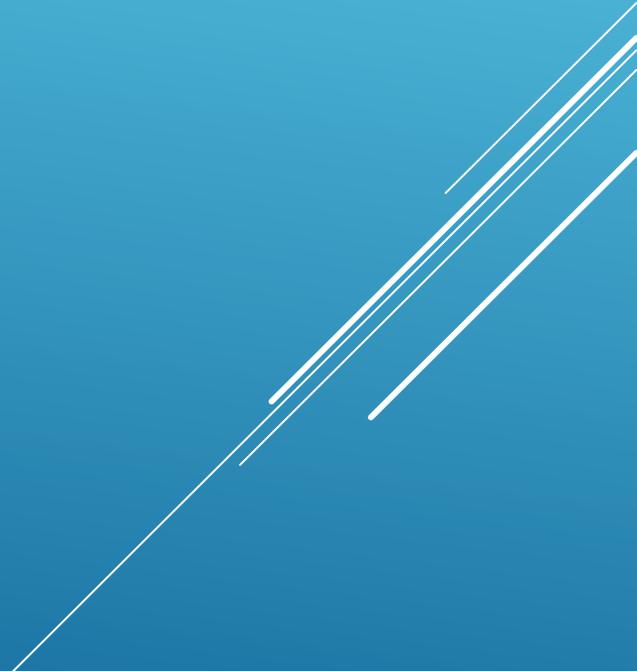
CALIFORNIA WATER COMMISSION SMALL SYSTEMS WORKSHOP

Operational Challenges

Gene Mancebo, General Manager, Amador Water
Agency

May 21, 2014

Operational Challenges in Foothill Communities

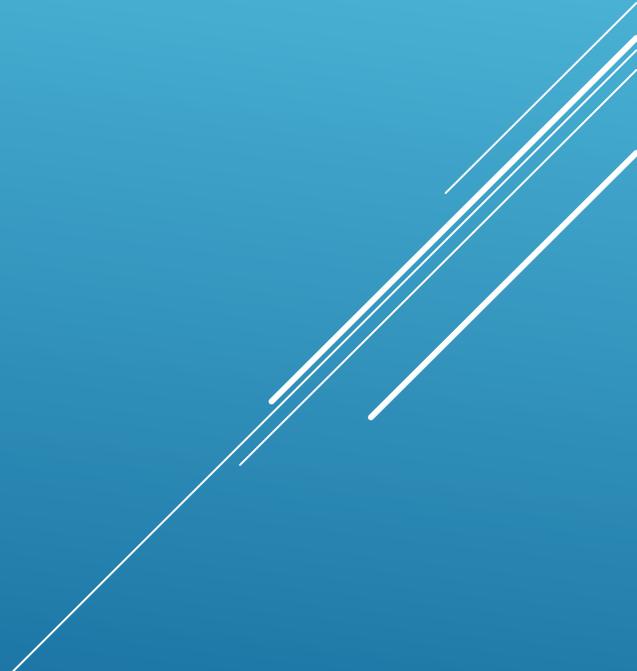
- **Low density customer service areas**
 - **Foothill terrain**
 - **Outdated aging infrastructure**
 - **Disadvantaged Communities**
 - **High rates and rate challenges**
 - **Benefits from Improvements**
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- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue background.

Low Density Service Areas

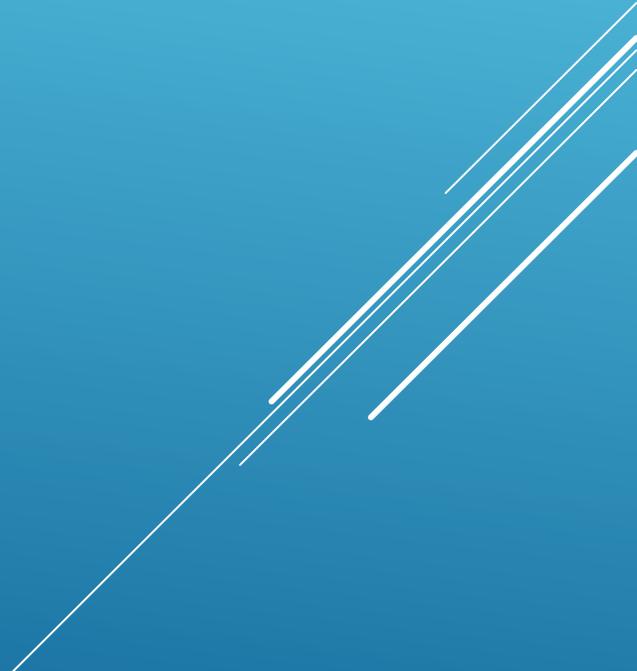
People per square mile

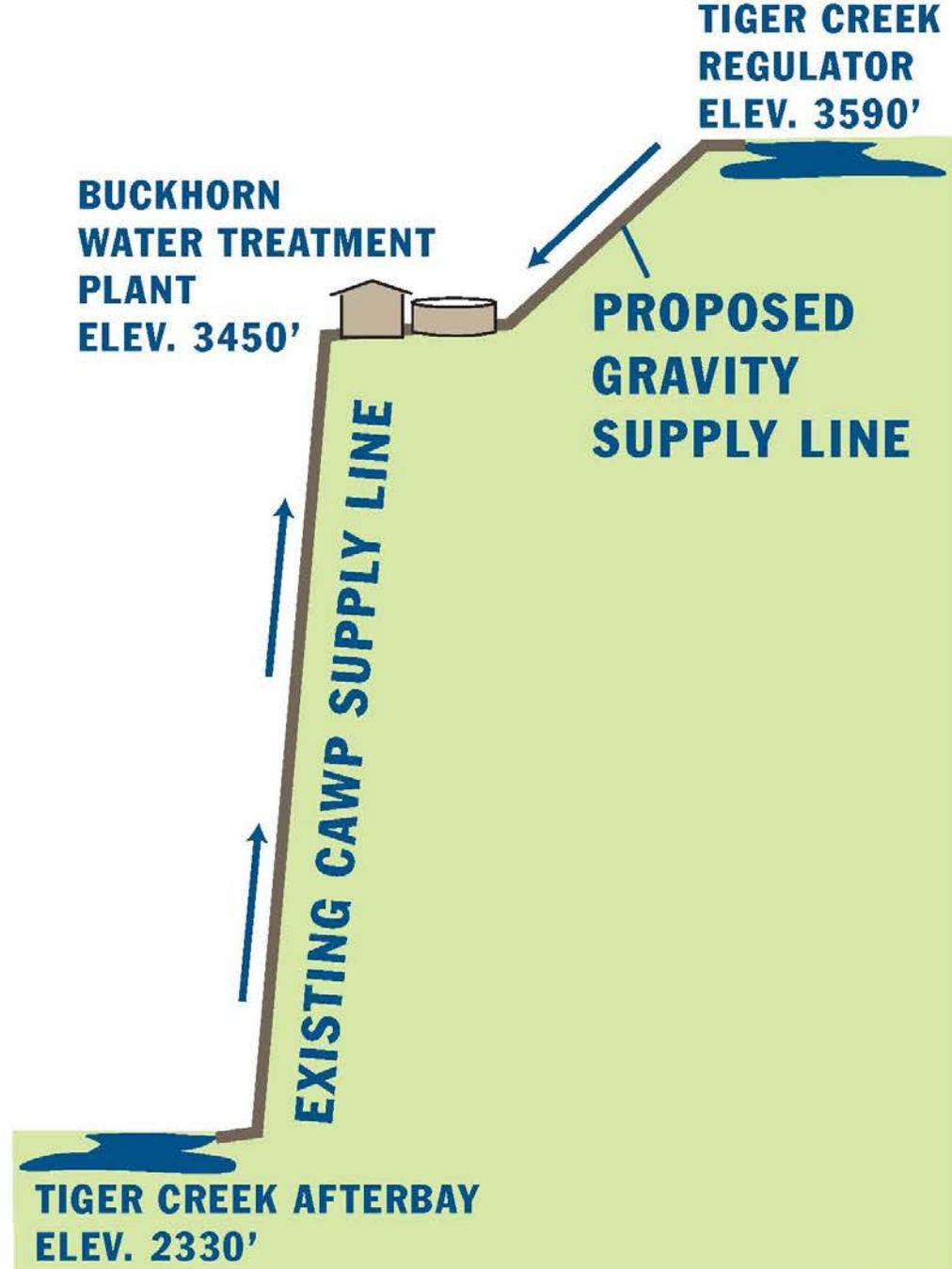
Amador County	64
Sacramento County	1,471
Los Angeles County	2,420

Fewer dollars to maintain more facilities



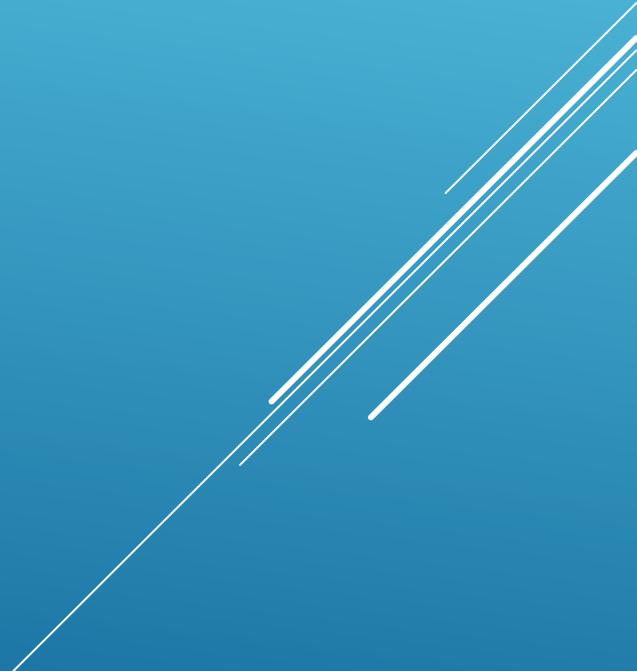
Foothill Terrain

- **Elevation Change: 300 ft. to 3,800 ft.**
 - **Severe Weather Conditions**
 - **Additional Facilities to Deliver Water**
 - **Soil Conditions**
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Outdated Aging Infrastructure

- **Legacy facilities**
 - **Lack of Funding to Replace**
 - **Transfer of Ownership**
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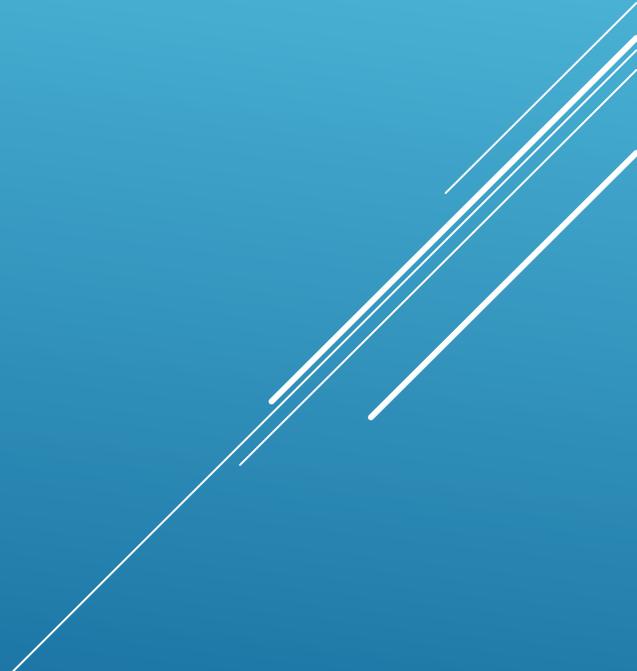


Disadvantaged Communities

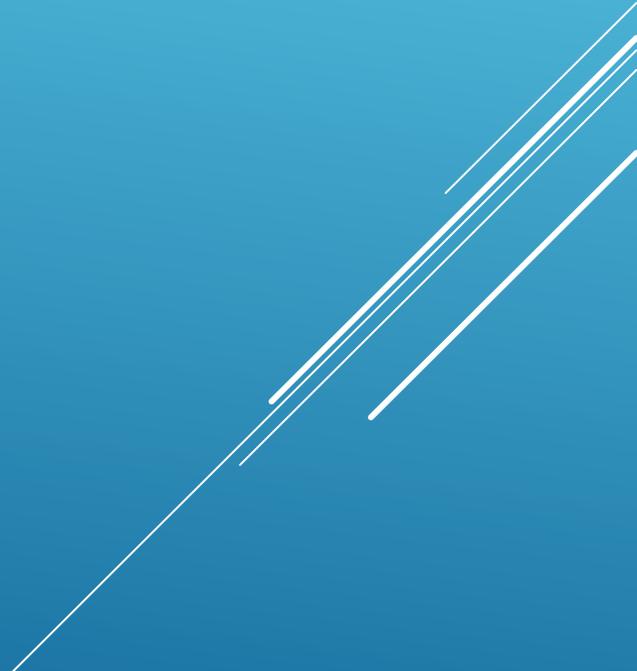
- **Fixed Incomes**
 - **High Unemployment**
 - **Low Wages**
 - **Oldest Average Age**
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High Rates and Rate Challenges

- **Wastewater Rates > \$100/month**
 - **Proposition 218 Rate Protests**
 - **Inflation**
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- A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

Benefits from Improvements

- **Water Flows Downhill**
 - **Need to Preserve Water Quality**
 - **Watershed Protection**
 - **Water Storage Opportunities**
 - **Water Conservation**
 - **Water Supply**
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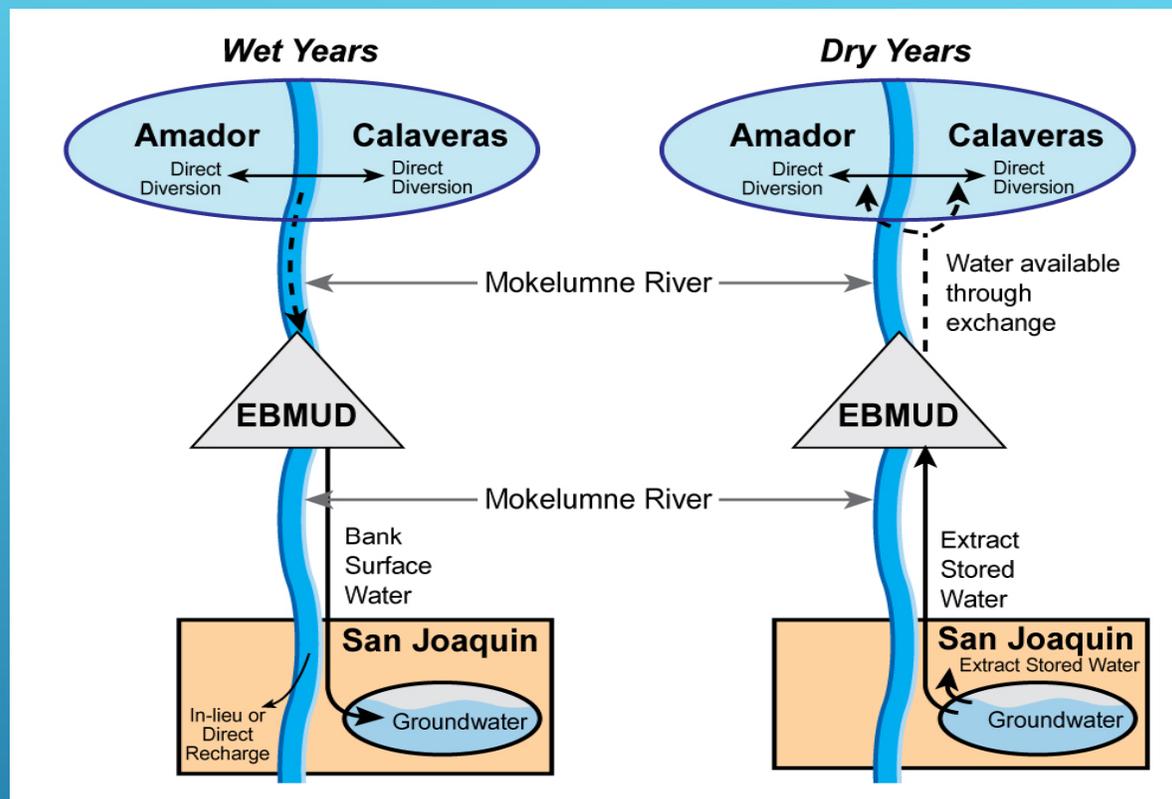




April 2006



Integrated Regional Conjunctive Use Project



Benefits

- ◆ Increased water supply and reliability for Amador and Calaveras, groundwater basin recharge and sustainability for San Joaquin, and drought protection for EBMUD.
- ◆ Provides opportunities to settle Mokelumne River water rights protests.

QUESTIONS

