

**CENTRAL AMADOR WATER  
PROJECT (CAWP)**

**GRAVITY SUPPLY LINE (GSL)  
PROJECT  
PUBLIC MEETING**

**January 7, 2010**

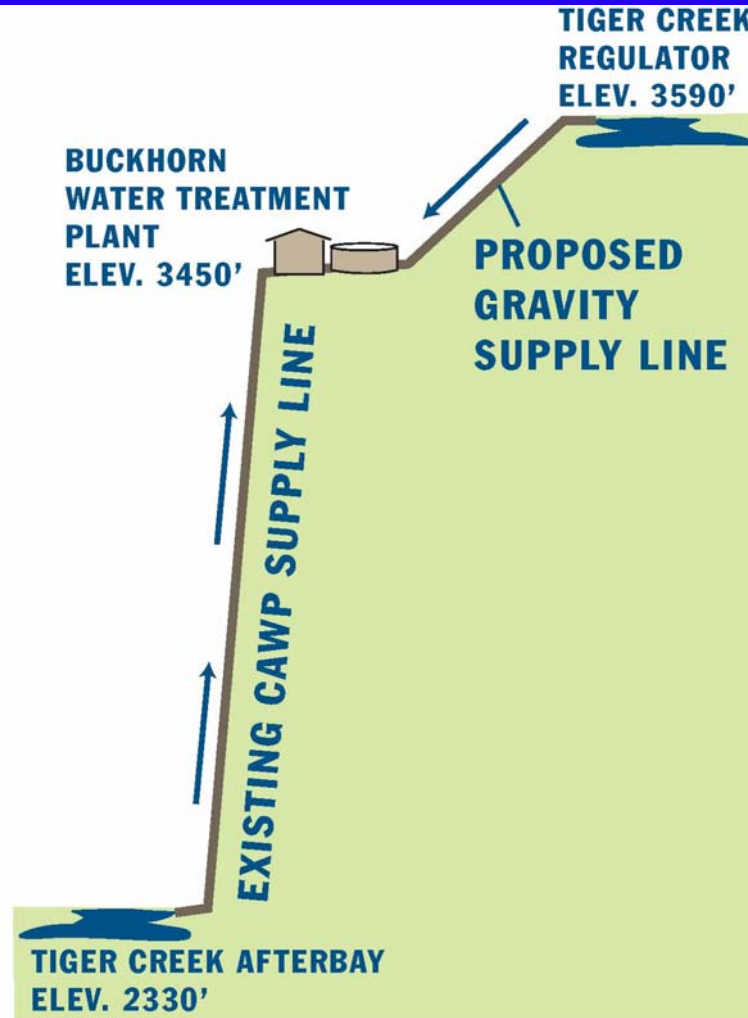
# HISTORY

- How, why and when was CAWP formed?
- What infrastructure was created by CAWP?
  - What did this infrastructure accomplish?
  - What other options were considered?

# CURRENT ISSUES

- Aging Infrastructure
  - The existing Pump Stations and Pipeline are over 30 Years Old.
- Reliability
- Susceptibility to Winter Weather
- Susceptibility to Wildland Fires

# CURRENT OPERATIONS



# PUMP STATION OPERATION

- Tiger Creek
- Silver Lake Pines
- Energy Requirements
  - 18% of Total Operations Budget
- Reliability (2004 to 2008)
  - Incidents of Inoperability : **163**
    - 97 Electrical or Mechanical Failures
    - 14 Communication Failures
    - 52 Power Outages
      - 18 Greater than 4 Hours
      - 4 Greater than 24 Hours  
(2 Winter Storms & 2 Wildland Fires)

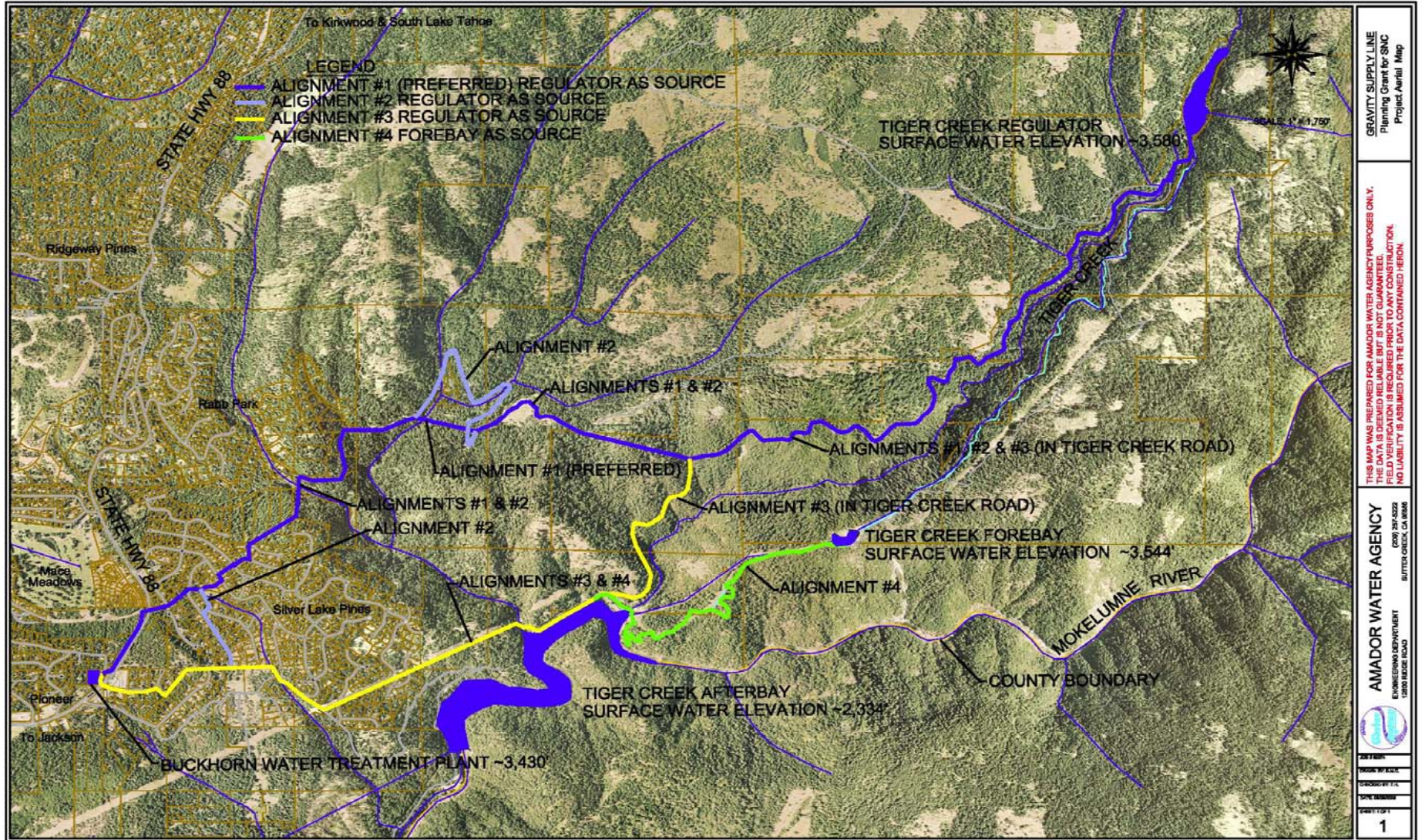
# SOLUTIONS

- Upgrade/Replace Existing Pump Stations
- Gravity Supply Line
  - From Tiger Creek Forebay
  - From Regulator

# RECOMMENDED SOLUTION

- Gravity Supply Line from Regulator
  - Least Costly Alternative
  - Increased Reliability
  - Removes Power From the Grid
    - “Green” Project Meets ARRA Funding Criteria
  - Funding Availability
    - USDA Rural Services
    - PG&E
  - Timing
    - Bidding Environment

# ALIGNMENT



# APPROXIMATE CAPACITY

- 4,020 Parcels within CAWP
  - 550 Standby Parcels
- Demand
  - 1,120 Acre Feet Currently
  - 160 Acre Feet Needed for Standby
- GSL Capacity
  - 2,200 Acre Feet
  - 5 Cubic Feet per Second
  - 6,800 Parcels
    - 2,800 additional Parcels could be served over the 50 year Project life
- Amador County General Plan (Existing)
  - Estimated Maximum Number of Residential Parcels
    - **11,578**