Salinity Management Pipeline

WCVC Climate Resilience Workshop
April 28, 2016
The SMP solves two water supply problems

- **Increases water reliability**
  by allowing brackish groundwater to be put to use
- **Reduces salinity in the aquifers**
  by removing salt from the watershed
What is being (or will be) discharged to SMP?
• Brine from treatment of
  • Groundwater
  • Tertiary treated wastewater (potable reuse)
• Excess tertiary treated wastewater too saline to be discharged to creeks
Who wants to build a desalter?

- Municipal Agencies
  - Treated brackish groundwater is cheaper than imported water
  - Potable reuse is relatively drought proof
  - Diverse supplies improve reliability

North Pleasant Valley Desalter (future)

Camrosa Desalter (future)

Conejo Valley Desalter(s) (future)

PHWA BWRDF (operational)

Moorpark Desalter (future)

West Simi Desalter (future)
Who wants to build a desalter?

- Municipal Agencies
  - Treated brackish groundwater is cheaper than imported water
  - Potable reuse is relatively drought proof
  - Diverse supplies improve reliability
Who wants to build a desalter?

- Agriculture
  - Treated brackish groundwater and wastewater are more expensive than current sources, but...
  - Aquifers are getting more saline
  - Groundwater supplies are limited
Climate Resilience and the SMP

- Provides local water supply reliability for an unpredictable water future
- Enables the use of local water supplies that are less GHG intensive than SWP water
AWPF Connection to SMP
AWPF Water Delivery Connections (2)
AWPF Water Delivery Connection
SMP Control Tank
Salinity Management Pipeline