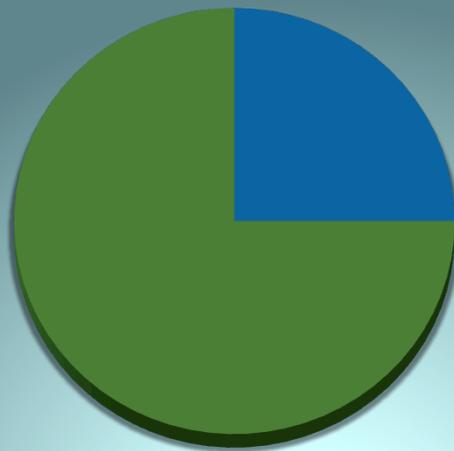


Water Supply for the Monterey Peninsula

Jason Burnett
Presentation in part from Dave Stoldt
at the Monterey Peninsula Water Management District
March 2016

Where do we get our water today? Historical Supply



■ Carmel River
■ Seaside Basin

- Recent demand has been around 10,000 acre feet per year (AFY)
- What is an acre foot?

What is the Problem?

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Physical Limitations to Water Supply

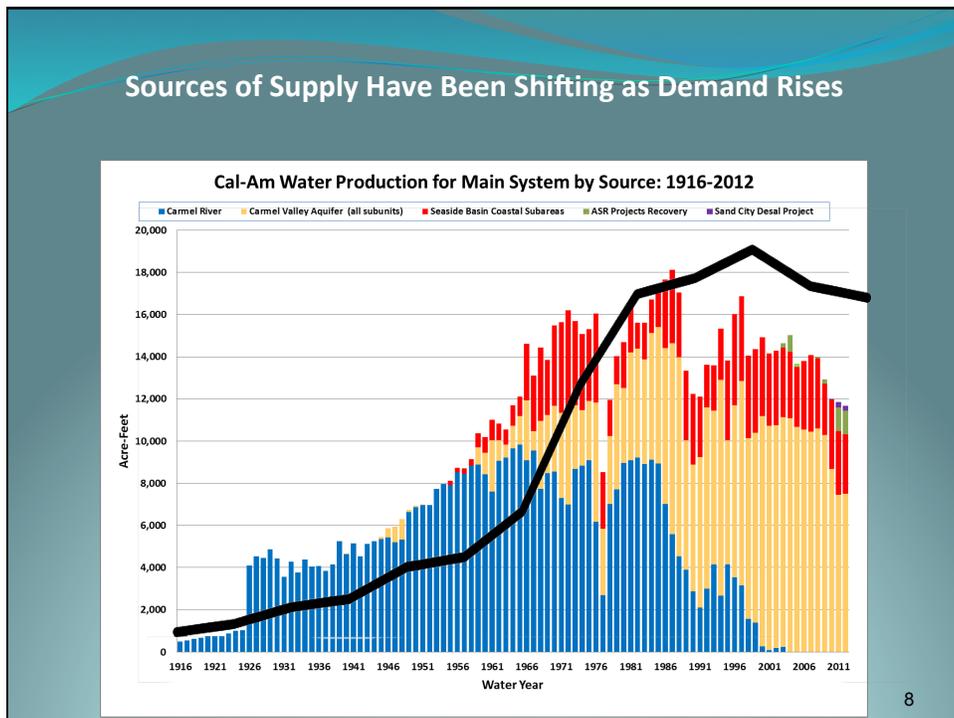
- Annual and seasonal variability of streamflow
- Inadequate storage capacity in Carmel River Basin
- Threat of seawater intrusion to the Seaside Basin

Month	Streamflow (Acre-Feet)
Oct	~500
Nov	~1,500
Dec	~5,000
Jan	~13,000
Feb	~17,000
Mar	~16,500
Apr	~9,500
May	~3,500
Jun	~1,500
Jul	~500
Aug	~200
Sep	~100

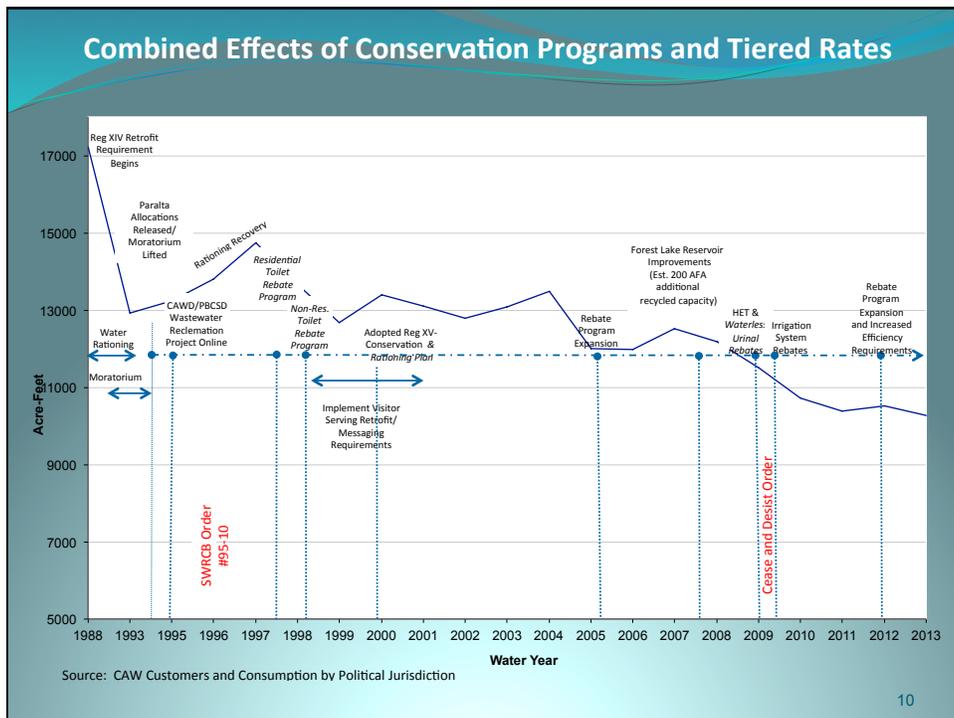
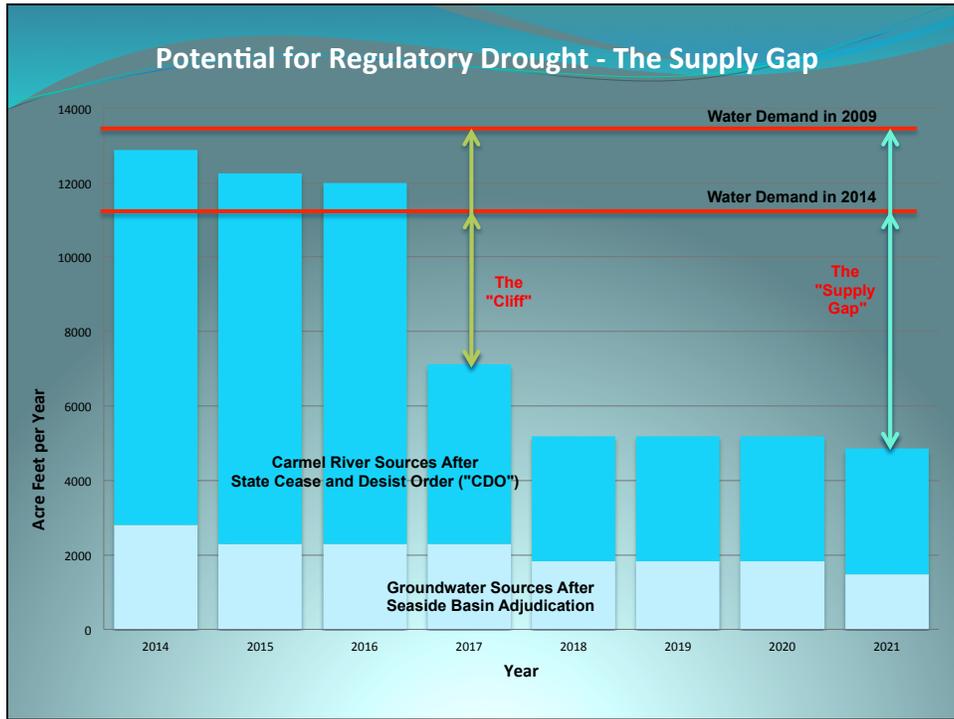
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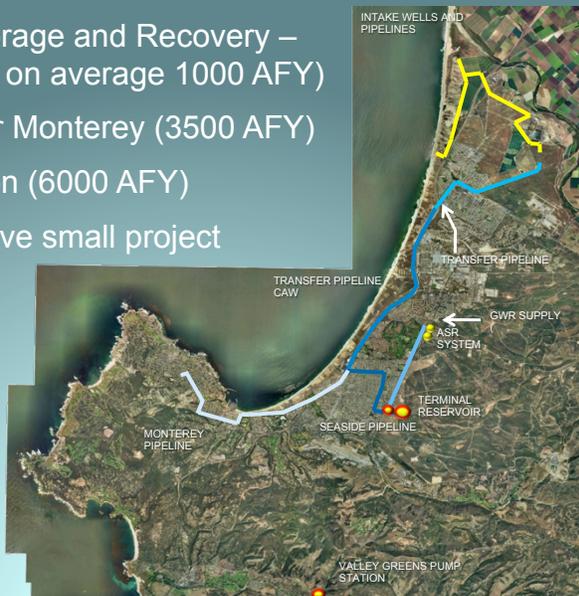
What is the Proposed Solution?

A portfolio of water supply projects

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Cal-Am's Proposed Desalination Project

- Aquifer Storage and Recovery – ASR (adds on average 1000 AFY)
- Pure Water Monterey (3500 AFY)
- Desalination (6000 AFY)
- Pacific Grove small project



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Historical Consensus Reached

- Monterey Peninsula Regional Water Authority
- Monterey Peninsula Water Management District
- City of Pacific Grove
- Salinas Valley Water Coalition
- Monterey County Farm Bureau
- Monterey Regional Water Pollution Control Agency
- Coalition of Peninsula Businesses
- Surfrider Foundation
- LandWatch Monterey County
- Division of Ratepayer Advocates at the Public Utilities Commission
- California-American Water
- Sierra Club
- Monterey County Water Resources Agency
- Planning and Conservation League
- Citizens for Public Water.

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Section 1:

Aquifer Storage and Recovery

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ASR: How Does It Work?

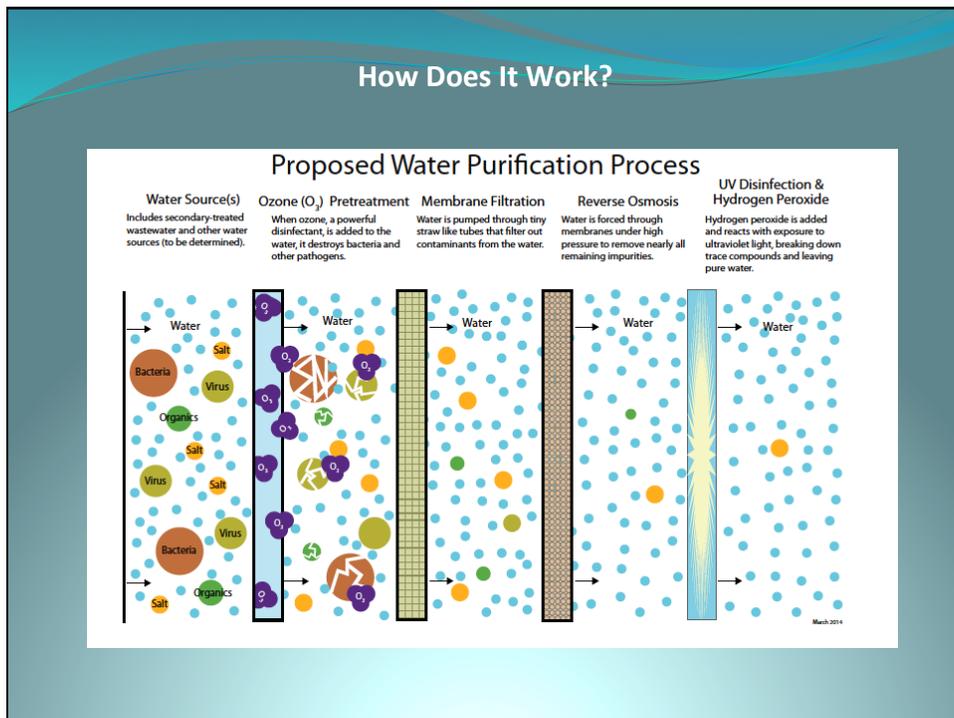
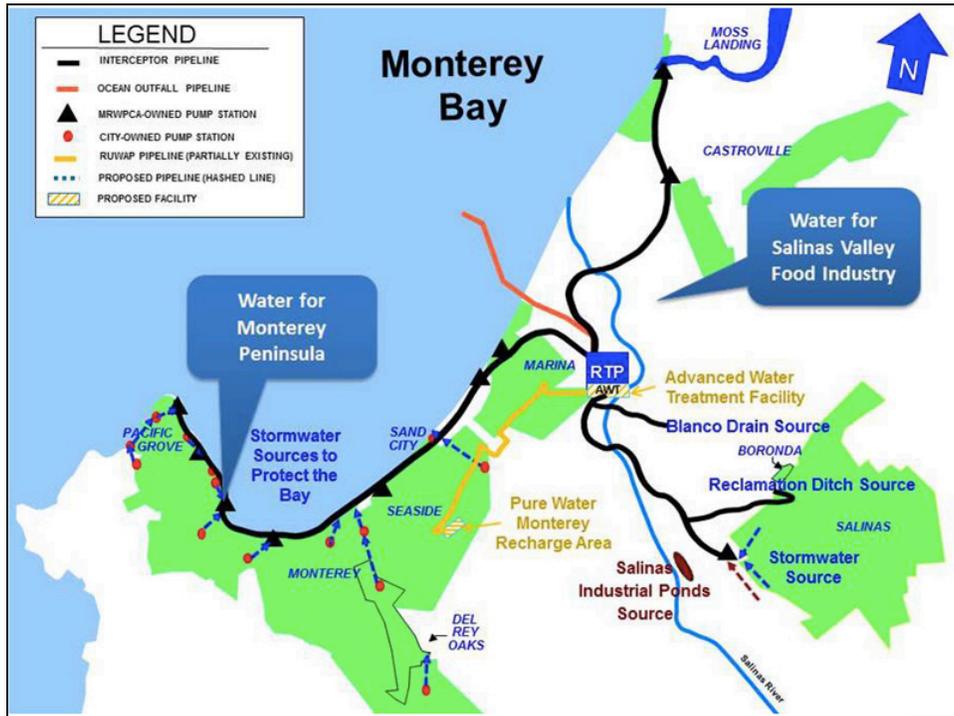


- Currently produces an average of about 1000 AFY (very dependent on rainfall)
- Pipeline constraints will be removed and capacity will double to about 2000 AFY.



Section 2:

Pure Water Monterey

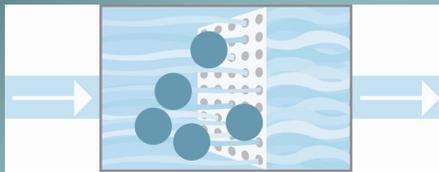


Section 3: Desalination

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Desalination

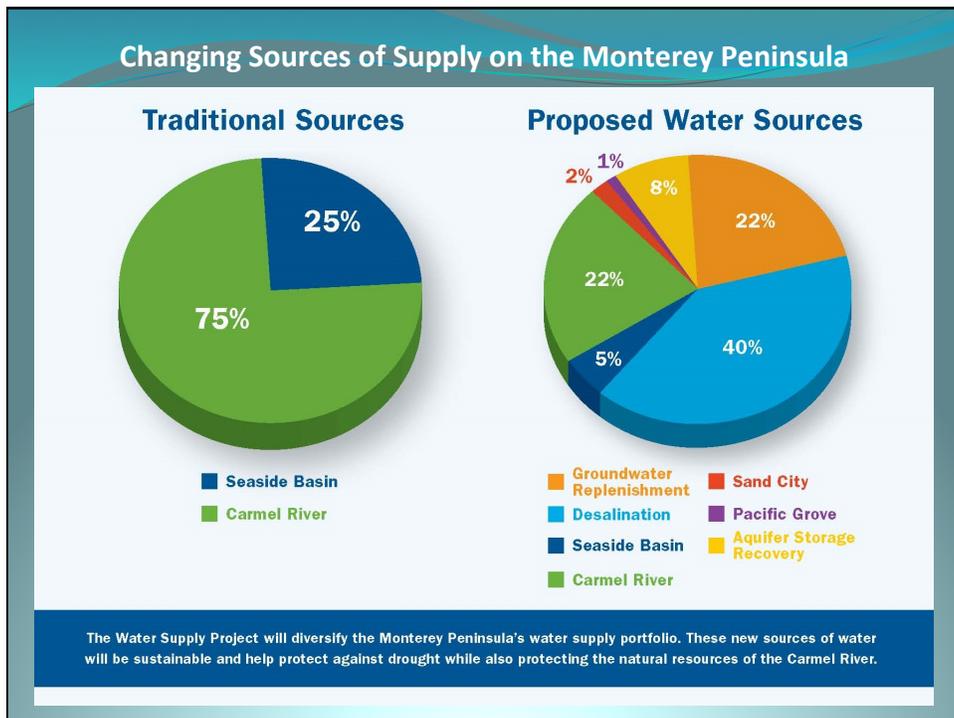
- 6,252 Acre-Feet (goes to 9,752 AF if GWR cannot be built)
- Slant well, below ground intake proposed
- Cal-Am owns and operates
- Ratepayer impact reduced by financing plan
- Decision Process
- 8 conditions for support

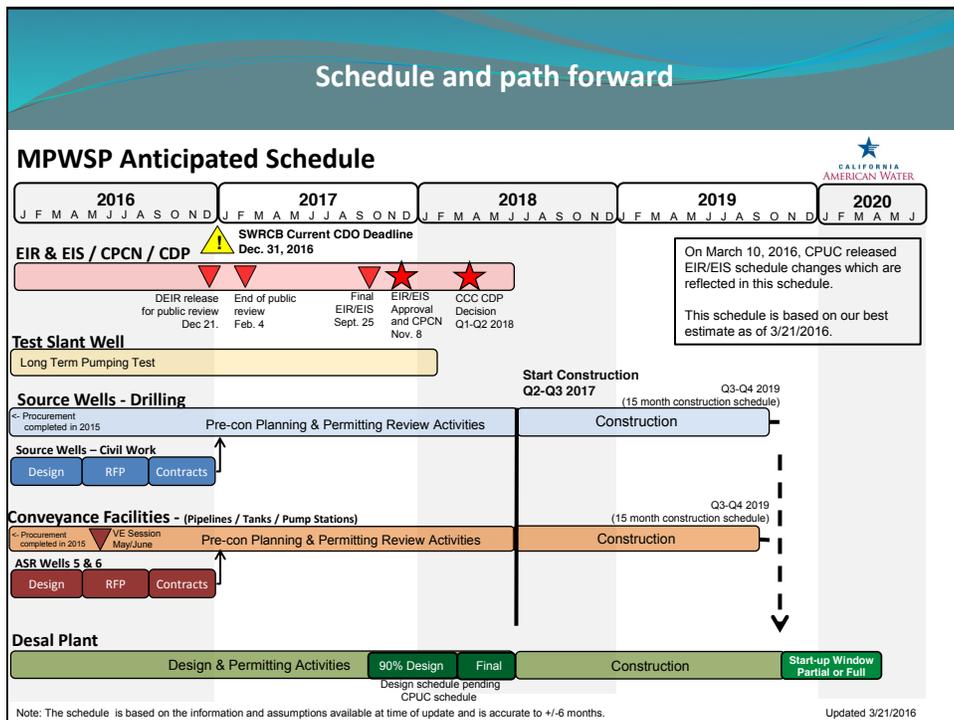
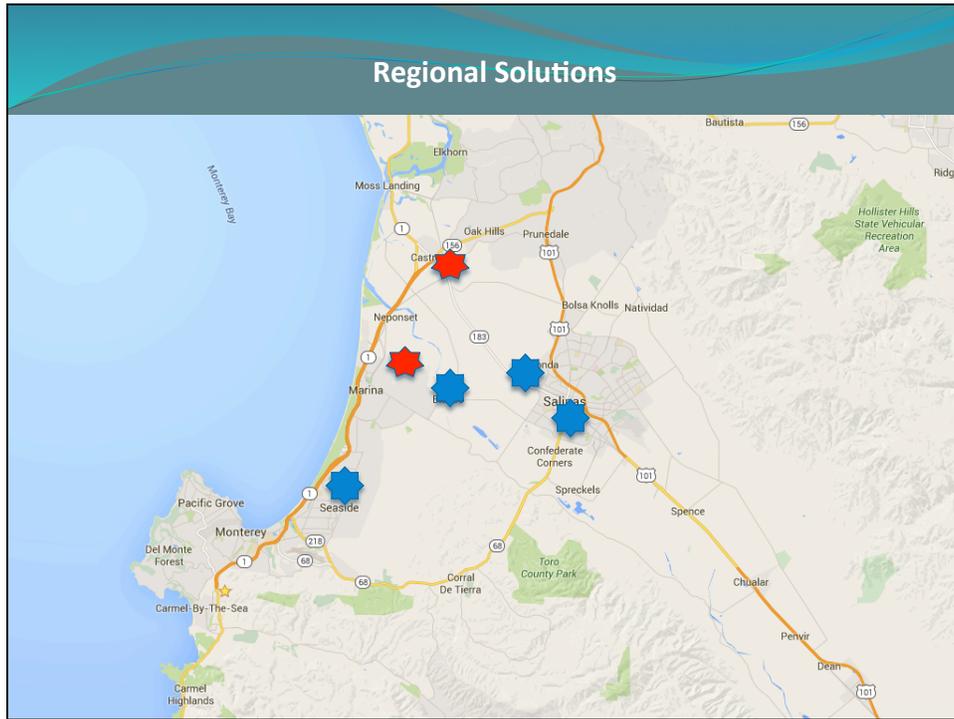


Reverse Osmosis (RO) directs the water at high pressure through thin membranes that eliminate salts, creating near-distilled water.



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Path forward, open issues, and questions

See handout

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