Water for Monterey County
Monterey Bay National Marine Sanctuary
Advisory Council
Project Update
June 2009
Water for Monterey County Addresses Incremental Water Supply Needs

- **North County Castroville Moss Landing**: 5,900 AFY
- **MCWD/Army**: 2,700 AFY
- **Regional Needs**: 25,600 AFY
- **Salinas**: 12,700 AFY

**MPWMD**: 17,000 AFY
Initial Phase Addresses Immediate Needs of MPWMD and MCWD

- **North County Castroville Moss Landing**: 5,900 AFY
- **MCWD/Army**: 2,700 AFY
- **Salinas**: 12,700 AFY
- **MPWMD**: 12,500 AFY
- **Initial Phase**: 15,200 AFY

Regional Needs:
- **12,500 AFY**
- **15,200 AFY**
- **12,700 AFY**
Initial Phase Takes Advantage of Three Existing Initiatives

- Seaside ASR  920 AFY
- Sand City Desal  300 AFY
- RUWAP  1,000 AFY

Immediate Implementation
Diverse Supplies Ensure Reliability

- Seaside ASR 920 AFY
- Sand City Desal 300 AFY
- Urban Recycled 1,000 AFY
- Desalination (future)
- Salinas River (winter only) 15,200 AFY

Immediate Implementation
Desalination Intake Wells Will be Located on Armstrong Ranch Lands
Desalination Intake Wells Create Local Trough and Barrier to Intrusion

- Monterey Bay
- Salinas River
- Sand Plant

85%

15%
Seaside Basin Provides Storage to Improve Reliability
Proposed Facilities Location Offers Green Power and Brine Disposal Benefits

- Green landfill gas power from new cogeneration facility
- Potential to use
  - Nacimiento hydropower,
  - wind turbines
  - biomass conversion
- Adequate outfall capacity to meet wet weather conditions
Regional Water Supply Program will Maximize Use of Recycled Water

Possible Uses
- Storage for agricultural irrigation up to 10,000 AFY—exp. CSIP
- Urban Irrigation – MCWD CAW service areas - up to 3,000 AFY
- Advanced treatment for Seaside Basin groundwater replenishment - up to 3,000 AFY
Regional Project is More Friendly to National Marine Sanctuary

- No facilities at Moss Landing
- Groundwater based desal intake wells
- Deepwater outfall for brine disposal
- Reduced nutrient discharge to NMS
CPUC Decision will Consider Cost, Ability to Implement, and Other Factors

CPUC EIR

Desal at Moss Landing

Desal at North Marina

Regional Water Project

CPUC Decision

Desal at Moss Landing
Or
Desal at North

• Initiation of Local Agreements
• Public and Political Support

Regional Water Project
Water for Monterey County Provides Significant Regional Benefits

- Restoration of flows to the Carmel River
- Increased reliability
- Ability to address North County water needs
- Reduced impacts to National Marine Sanctuary
- Reduced carbon footprint thru green landfill power
- Immediate construction to aid economic stimulus
What Are The Continuing Steps?

- Stakeholder/Public Input
- Finalize Institutional Agreements
- Complete Permitting
- Secure Financing

Issue Draft EIR
Close of Public Comments
Issue Final EIR
Certification Of EIR & CPUC Decision

February 2009
April 2009
June 2009
August 2009
October 2009
December 2009
Obtaining a Successful Water Project Hinges on Numerous Factors

- Permits and Agreements
- California PUC Approval
- Financial Feasibility
- Seaside Basin Adjudication
- Public and Political Support
- SWRCB Order 95-10
Water for Monterey Provides Least Cost, Sustainable Water Supply Solution