Public Meetings for the Coastal Water Project DEIR

Proposed by California American Water Company
Application Number A.04-09-019

March 2-4, 2009
California Public Utilities Commission
(Lead Agency)

AGENDA

- WELCOME and MEETING PURPOSE
  Charles Gardiner, CirclePoint
  Andrew Barnsdale, CPUC
- CalAm COASTAL WATER PROJECT DEIR
  Eric Zigas, Environmental Science Associates
- NEXT STEPS
  Andrew Barnsdale, CPUC
  Charles Gardiner, CirclePoint
- BREAK-OUT STATIONS
  Public comments
- ADJOURNMENT

MEETING PURPOSE

- To present the contents of the DEIR including the proposed project and its alternatives
- To obtain public comments on the contents of the DEIR
- Explain next steps in the EIR process

MEETING GUIDELINES

- No decisions are being made at these meetings
- Please hold your questions for the break-out sessions
- Comments received today will be summarized, posted on www.CWP-EIR.com and considered in finalizing the EIR
- Written comments will be accepted through April 1, 2009

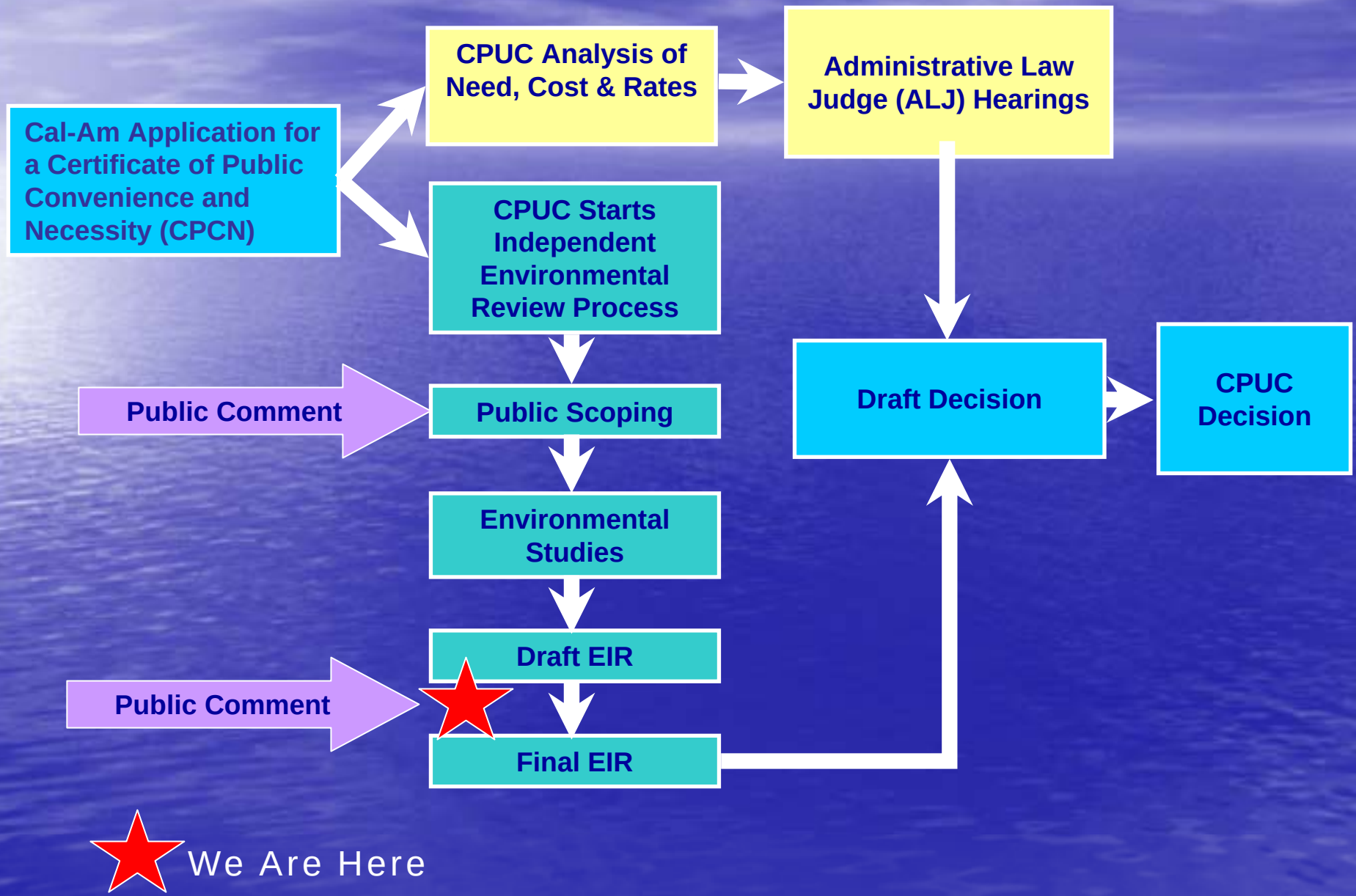
Introduction and Background

- Cal Am has filed an application with the CPUC for a Certificate of Public Convenience and Necessity (CPCN) to build, own and operate the Coastal Water Project (CWP).
- The CWP would enable Cal Am to comply with State Water Resources Control Board Order 95-10 and the Seaside Groundwater Basin Adjudication.

CPUC Process for Project Review

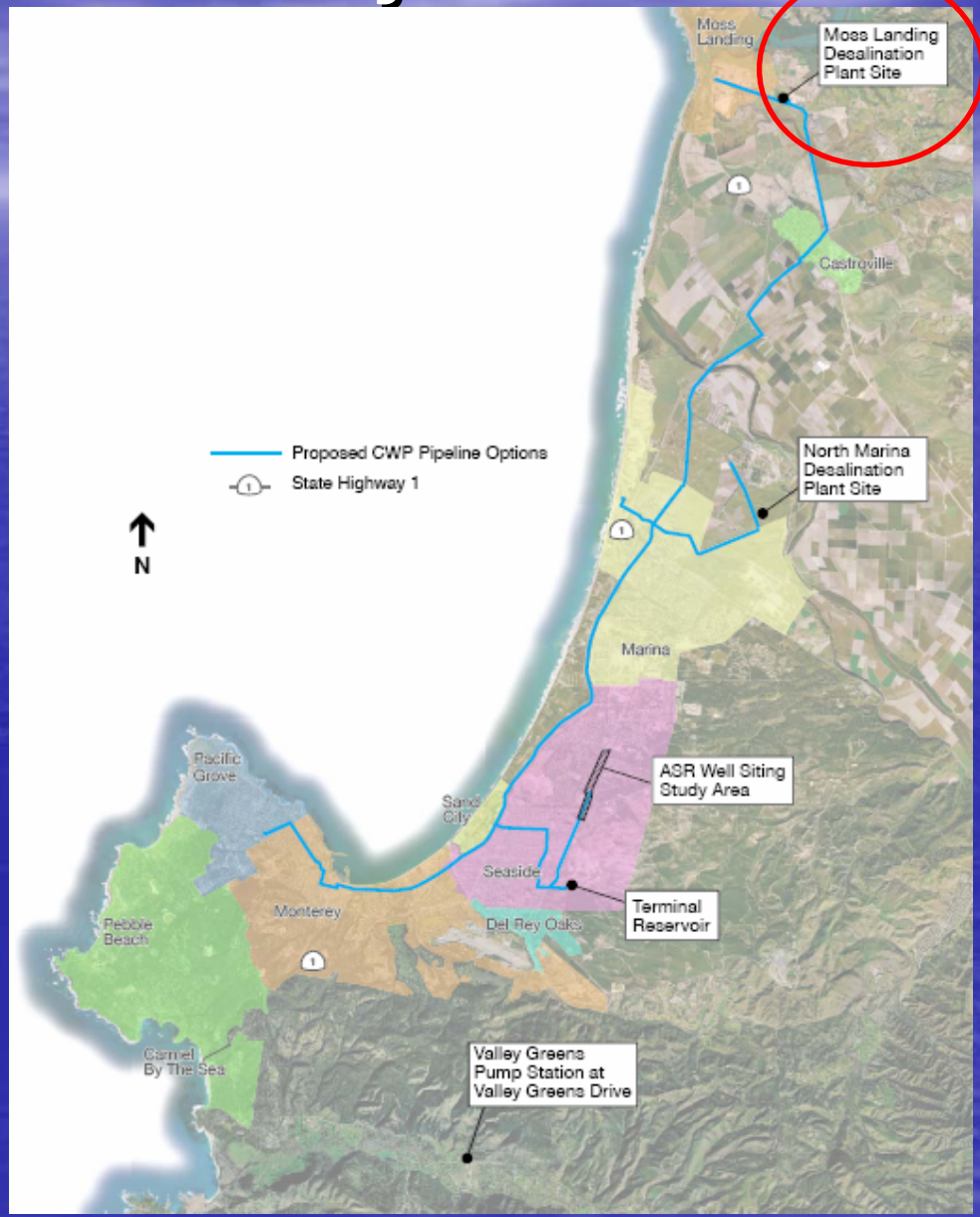
- The CPCN process has two parts
  - Ratemaking (Need, Cost, Feasibility and Rates)
  - Environmental Review
- Today's meeting is about Environmental Review
  - Compliance with California Environmental Quality Act (CEQA)

CPUC Process for Project Review

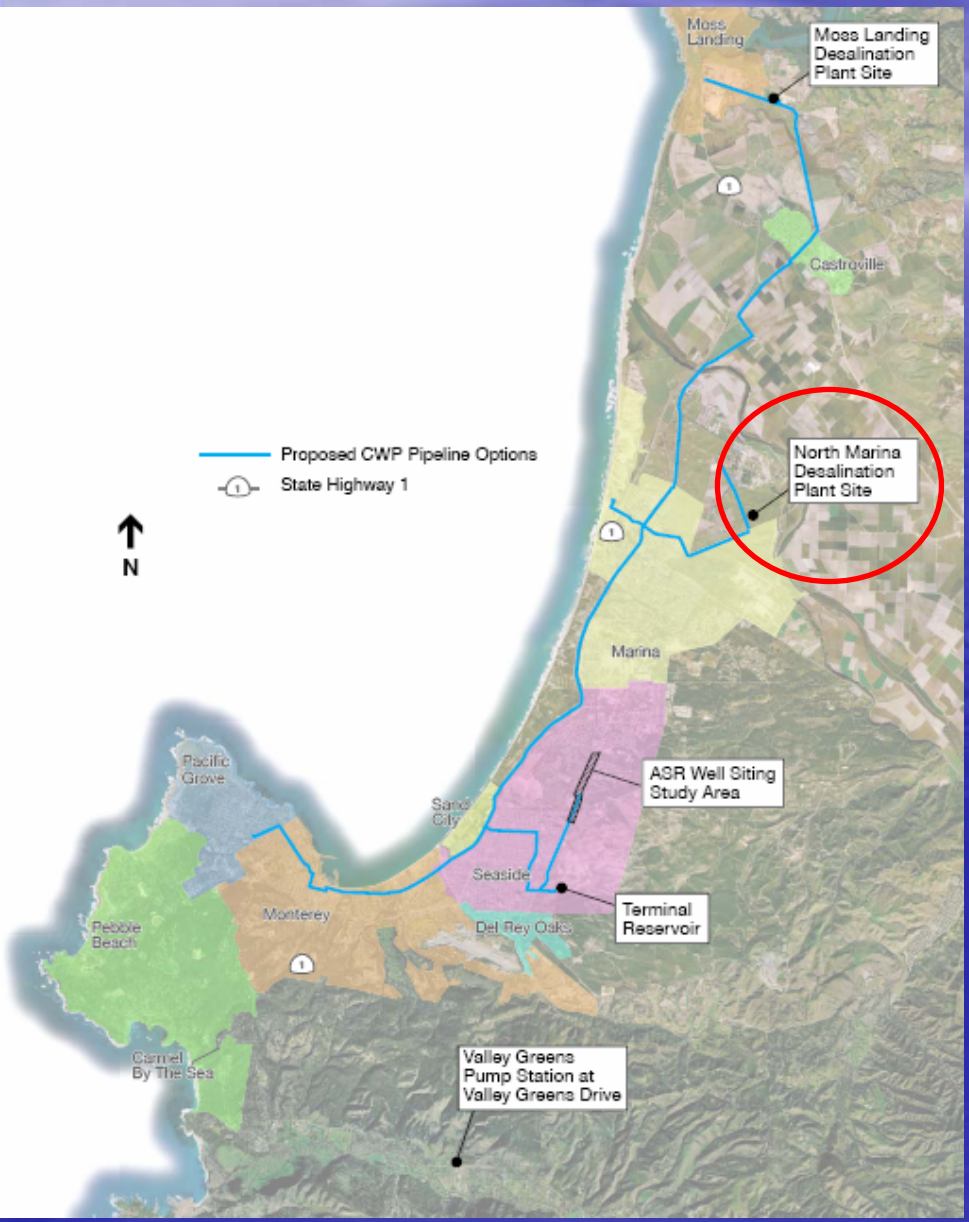


Applicant Proposed Project: Moss Landing

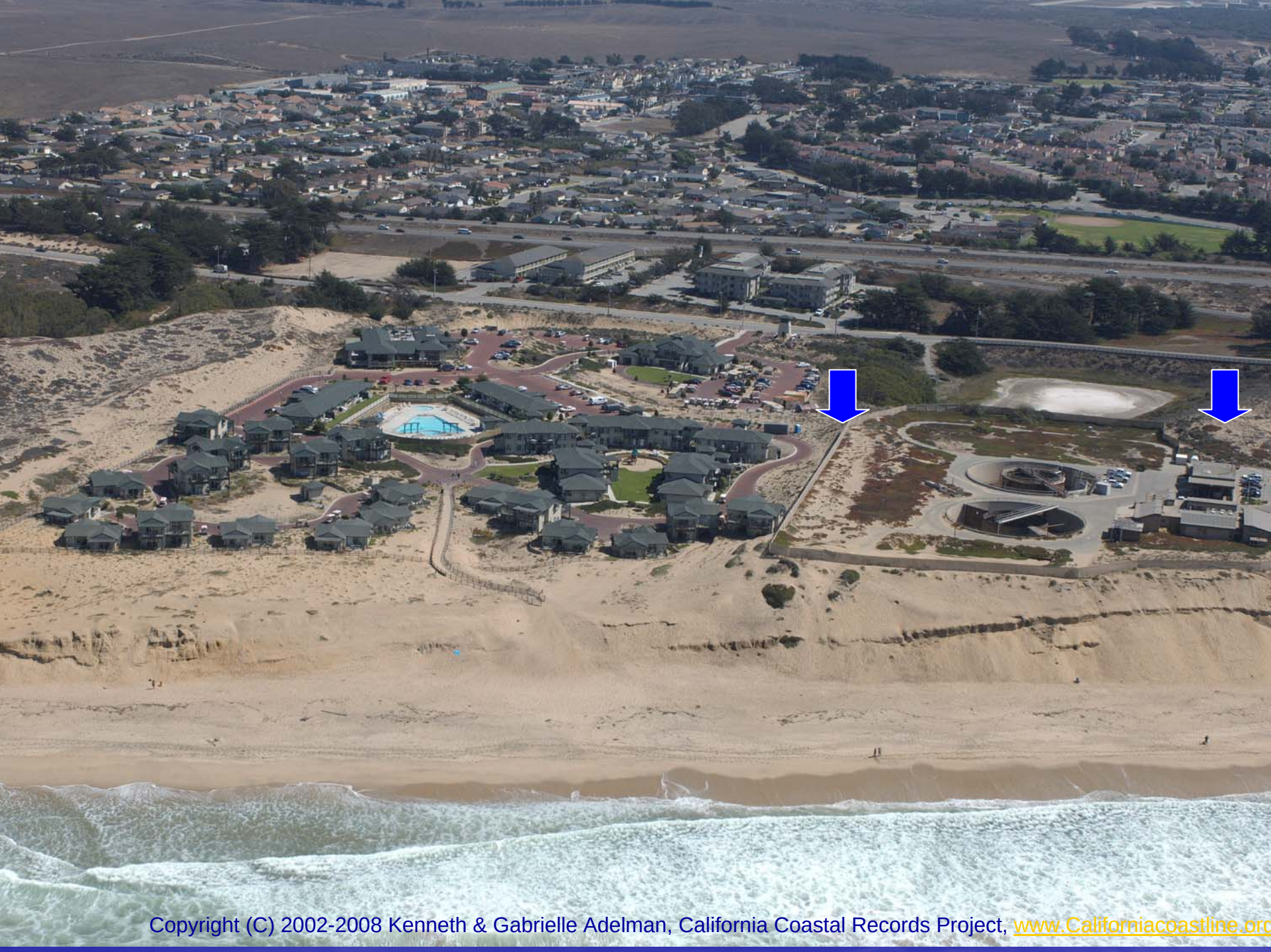
- 10 mgd Desalination Plant at Moss Landing Power Plant (MLPP)
- Utilizes the existing MLPP ocean water intake system (Once Through Cooling)
- Brine discharges through the existing MLPP Outfall
- Product water conveyance
  - Transmission Main North
  - Transmission Main South
  - Monterey Pipeline
- Aquifer Storage and Recovery (ASR)
  - 2 new injection/extraction wells to augment the 2 existing wells



Alternative Project: North Marina



- 11 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Slant Wells) at Marina State Beach
- Brine discharges through the existing MRWPCA Outfall
- Product water conveyance
  - Transmission Main South
  - Monterey Pipeline
- Aquifer Storage and Recovery (ASR)
  - 2 new injection/extraction wells to augment the 2 existing wells



Moss Landing

- 10 mgd Desalination Plant at MLPP
- Utilizes the existing MLPP ocean water intake system (Once Through Cooling)
- Brine discharges through the existing MLPP Outfall
- Product water conveyance
  - Transmission Main North
  - Transmission Main South
  - Monterey Pipeline
- Aquifer Storage and Recovery (ASR)
  - 2 new injection/extraction wells to augment the 2 existing wells

North Marina

- 11 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Slant Wells) at Marina State Beach
- Brine discharges through the existing MRWPCA Outfall
- Product water conveyance
  -
  - Transmission Main South
  - Monterey Pipeline
- Aquifer Storage and Recovery (ASR)
  - 2 new injection/extraction wells to augment the 2 existing wells

North Marina

- 11 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Slant Wells) at Marina State Beach
- Brine discharges through the existing MRWPCA Outfall
- Product water conveyance
  - Transmission Main South
  - Monterey Pipeline
- ASR
  - 2 new injection/extraction wells to augment the 2 existing wells

Phase 1 Regional

- 10 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Vertical Seawater Wells) between the dunes and Hwy 1
- Brine discharges through the existing MRWPCA Outfall
- Product water conveyance
  - Transmission Main South
  - Monterey Pipeline
- ASR
  - 2 new injection/extraction wells to augment the 2 existing wells
  - 3 new injection wells
- 14 mgd Surface Water Treatment Plant (utilizes the existing Salinas River Diversion Facility (SRDF))

Regional Phase 1

- 10 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Vertical Seawater Wells) between the dunes and Hwy 1
- Brine discharges through the MRWPCA Outfall
- Product water conveyance
  - Transmission Main South
  - Monterey Pipeline
- ASR
  - 2 new injection/extraction wells to augment the 2 existing wells
  - 3 new injection wells
- 14 mgd SWTP

Regional Phases 1 and 2

- 13 mgd Desal Plant at N. Marina
- Utilizes Subsurface Intakes (Vertical Seawater and Brackish Wells)
- Brine discharges through the MRWPCA Outfall
- Product water conveyance
  - Transmission Main South
  - Monterey Pipeline
- ASR
  - 2 new injection/extraction wells to augment the 2 existing wells
  - 3 new injection wells
  - 2 new injection wells
- 14 mgd SWTP
- North County Water Supply
  - Expansion of Castroville Seawater Intrusion Project (CSIP)
- Seaside Groundwater Replenishment Project

Significant and Unavoidable Impacts

Impact	Moss Landing Project	North Marina Project	Phase 1 of the Regional Project	Phases 1 and 2 of the Regional Project
Greenhouse Gases	√	√	√	√
Noise *Intake* *ASR*	 -- √	 √ √	 - - √	 - - √
Liquefaction	--	--	--	√
Growth	--	--	--	√

Alternatives Analysis – History

- New Los Padres Dam and Reservoir
- Carmel River Dam and Reservoir
- Plan B (CPUC Water Supply Contingency Plan)
- Coastal Water Project

Alternative Analysis – Alternative Components

- Locations
- Intakes
- Outfalls
- Conveyance and Storage Facilities (Monterey Pipeline vs Segunda Pipeline)

Alternatives Analysis – Alternative "Projects"

- No-Project Alternative
- Ship-Based Desalination
- Regional Project Phase 1 Plus Seaside Groundwater Replenishment
- CalAm Growth Project

Environmentally Superior Project

- The CEQA Guidelines require that an EIR identify an "environmentally superior" alternative
- The North Marina Project is environmentally superior to the Moss Landing Project
  - 5 miles less pipeline installation
  - No entrainment and impingement impacts
  - Not dependent on a once-through cooling system
- North Marina Project and Phase 1 of the Regional Project are similar, and have tradeoffs
  - Phase 1 Regional Project eliminates a significant and unavoidable noise impact
  - Adds impacts from a Surface Water Treatment Plant
  - Adds a beneficial impact to the local groundwater basins

PROCESS and SCHEDULE for FEIR

- Comments on the DEIR are due by April 1
- Response to Comments will be prepared, and in combination with the DEIR will represents the Final EIR
- Anticipated Late Summer 2009

BREAK-OUT SESSION FORMAT

- Goal: Respond to questions, record comments
- Staffing: EIR team members and recorder
- Time: Divide your time among the stations
- Comment synthesis will be posted on project Web site www.CWP-EIR.com

MAIL-IN COMMENT FORMS are also AVAILABLE at ALL BREAK-OUT STATIONS

BREAK-OUT STATIONS

- Surface Water and the Marine Environment
- Geology and Groundwater Hydrology
- Community Impacts
- Other CEQA Topics
- Comments

SUBMITTING COMMENTS

- **Comments must be postmarked by April 1, 2009**
- Andrew Barnsdale
  c/o Coastal Water Project
  225 Bush Street, Suite 1700
  San Francisco, CA 94104
  Attn: CWP EIR

* please include your name and mailing address on all comment correspondence.

- To sign up for project updates, visit www.CWP-EIR.com

MAIL-IN COMMENT FORMS are also AVAILABLE at ALL BREAK-OUT STATIONS