Five Year Plan

Advisory Committee
March 27, 2007

Five Year Plan – What is it?

◆ Information requested by the Secretary
◆ Identifies actions that could occur during the first five years after Legislative action on a Preferred Alternative
◆ Includes actions necessary to implement the Preferred Alternative such as:
  ■ Environmental documentation and permitting
  ■ Demonstration projects
  ■ Site access agreements
  ■ Air quality, water quality, and biological monitoring
  ■ Feasibility studies
  ■ Final design
◆ Example actions provided, not comprehensive
◆ Actions needed regardless of alternative
Prerequisites to Implementation of a Preferred Alternative and Five Year Plan

- Consideration and action by the Legislature
  - Adoption of a Preferred Alternative and implementing legislation
  - Appropriation of funding
  - Identification of an Implementing Entity

Five-Year Plan – Biological Actions

- Continue demonstration project for Saline Habitat Complex
- Implement Early Start Habitat
  - Initiate site access agreements
  - Conduct environmental documentation and permitting
  - Prepare final design for Early Start Habitat
  - Monitor to evaluate different design configurations
  - Manage adaptively
Five-Year Plan – Biological Actions (con’t)

- Initiate biological monitoring and possible adaptive management actions
  - Continue existing and establish expanded biological surveys
  - Determine breeding and roosting sites
  - Develop specific impact avoidance measures
  - Investigate fish species options for salinity and temperature tolerances

Five-Year Plan – Water Quality Actions

- Initiate water quality monitoring and modeling
  - Conduct nutrient, selenium, and hydrogen sulfide investigations (including sediment sampling)
  - Gather additional data to supplement modeling
  - Conduct additional modeling analyses
  - Coordinate with water quality and health regulatory agencies
Five-Year Plan – Air Quality Actions

- Initiate air quality monitoring
  - Install additional monitoring stations
  - Conduct playa testing for emissivity
  - Conduct hydrogen sulfide analyses
  - Evaluate effects to crops from salt and dust
  - Evaluate microclimate effects
  - Coordinate with local responsible and regulatory agencies

Five-Year Plan – Tribal, CEQA/NEPA, Permitting, and Site Access

- Coordinate with the Torres Martinez Tribe
- Coordinate with appropriate partners
- Initiate project-level CEQA analysis
  - Seek Federal involvement for project-level NEPA analysis
- Continue public and stakeholder outreach
- Identify appropriate permits and initiate discussions with permitting agencies
- Initiate site access agreements
- Initiate hazards investigations
  - Unexploded ordnance and Phase I surveys
Five-Year Plan – Feasibility Study, Design, and Related

- Initiate bathymetric survey
- Identify potential geothermal facility locations
- Initiate geotechnical studies
- Initiate evaluation of construction methods and materials
- Initiate feasibility studies
  - Incorporation of recent inflow data into hydrologic modeling
  - Hydraulic modeling for facilities
- Initiate final design

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