

## 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**

