Stanislaus County Agricultural Advisory Board
March 2, 2020
Chris White, Executive Director SJRECWA

DEL PUERTO CANYON RESERVOIR

Water for the Economy
Water for the Environment
Storage for the Future
California & the Central Valley’s Agriculture

- More than 250 crops grown in the Central Valley with an estimated value of $17B per year
- Using fewer than 1% of U.S. farmland, the Central Valley supplies 8% of U.S. agricultural output (by value), California accounts for 2/3 of the Nation's fruit and nut production and 1/3 of the Nation’s vegetable production.
- Over 400 crops are grown in California. The predominate crop types are cereal grains, hay, cotton, tomatoes, vegetables, citrus, tree fruits, nuts, table grapes, and wine grapes.
The Project Partners: Del Puerto Water District/San Joaquin River Exchange Contractors Water Authority

Combined Agricultural Acreage Serviced: 295,000 acres

Project Partners’ supplies all originate from the Federal Central Valley Project (CVP) and are delivered from the Delta-Mendota Canal (DMC)

Need for Storage:
* DPWD has limited access to Storage in San Luis Reservoir under its USBR Water Service Contract

* SJRECWA has no Contractual Rights to storage in SLR
Project Purpose and Features
Project Benefits

- Water
  - Agriculture
  - Groundwater Management
- Environment
  - Wildlife Refuges
- Public Safety
  - Flood Protection
- Regional Economy
- Flexibility to Adapt to Future Changes
Project Location

- Del Puerto Canyon Road Mile Markers
- Graffiti Rock
- Approximate location of dinosaur bone find
- Birding Points
- Birding Corridors
- Frank Raines Park
- Reservoir Inundation Area
Del Puerto Canyon Reservoir

- Locally owned and controlled by public water agencies
- 82,000 acre-feet of storage
- 260-foot dam and three saddle dams
- Filled from Delta-Mendota Canal (DMC)
- Supplies water to farmers and wildlife refuges served by the Central Valley Project via DMC
Proposed Reservoir Operations

- Reservoir fill:
  - From scheduled CVP deliveries, or
  - Conserved or developed water for transfer

- Reservoir draws:
  - Meet irrigation demands / Dry year reliability
  - Transfers to other CVP contractors/refuges

- Operations within Coordinated Operating Agreement
  - No impacts to CVP or State Project Operations
Comments at City Council Meeting

- Flooding and Dam Safety
- Canyon Resources
- Construction Impacts
- Alternatives
- Consistency with Current Plans
Addressing Community Concerns

All comments on the Draft EIR will be addressed in the Final EIR

Continuing to provide information to address community concerns

- City Council tonight
- Community meetings (next one March 25)
- Project information: fact sheets, website, local media, and other avenues
The Project Prevents 100-Yr Flood Events

**PRE-PROJECT**

This flood analysis shows only flooding from Del Puerto Creek

**POST-PROJECT**

Del Puerto Canyon Reservoir
**Current Schedule**

Probable start of construction is in 2021/2022

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Public Outreach
**WIIN Act Funding**

- Federal participation in a State-led storage project up to 25% of the total cost where at least a proportional share of the project benefits are Federal benefits.

- Governor must request participation of the Secretary of the Interior.

- Project has been given a consistency finding with the Goals and Guidelines of Prop 1 from the California Water Commission.

- State or local sponsor determines, and the Secretary concurs, that the project is technically and financially feasible, sufficient non-Federal funding is available, and the project sponsors are financially solvent.

- Del Puerto Canyon Reservoir Project has been awarded $1.5 Million from the Federal WIIN Act for the feasibility study.

- Project is named in Congressman Harder’s HR-2473 S.A.V.E. Water Resources Act.
Permitting & Environmental

- **CEQA/NEPA Compliance**
  - Complete California Environmental Impact Report
  - Federal Environmental Impact Statement

- **Agency Consultation and Compliance**
  - State Historic Preservation Office
  - CA Fish & Wildlife
  - US Fish & Wildlife
  - United States Army Corps of Engineers
  - State and Regional Water Quality Control Boards
  - United States Bureau of Reclamation
  - California Division of Dam Safety
Permitting & Environmental

- Environmental Impact Report (EIR) Evaluations
  - Aesthetics, Agriculture & Forestry Resources, Air Quality,
  - Biological Resources – Terrestrial & Fisheries,
  - Cultural Resources, Energy Resources, Geology & Soils,
  - Greenhouse Gas Emissions, Hazards and Hazardous Materials,
  - Hydrology & Water Quality, Land Use & Recreation,
  - Traffic & Transportation, Tribal Cultural Resources, Utilities
  - and Service Systems, Environmental Justice, and Indian
  - Trust Assets

  - Project team working of response to comments
Dam Design Process

Concept
- 5% Design
- Feasibility Study
- Draft and Final EIR

10% Design
- Geotechnical Analysis
- DSOD review of field investigations
- Review of Design Criteria
- Independent Technical Review by USBR

30% Design
- Technical review by Program Manager
- Independent Technical Review by USBR
- DSOD Review

60% Design
- Technical Review by Program Manager
- DSOD Review

90% Design
- Technical review by Program Manager
- DSOD Review

Final Design & Construction
- Final DSOD Review
- Approval for construction

Monitoring & Maintenance
- Prepared by Design Engineer
- Approved by DSOD

Key Features
- Mitigation Commitments for Design Safety in Final EIR
- Continuous DSOD Review
- Independent Analyses by DSOD
Preliminary Design Approach

- **DWR Division of Safety of Dams**
  - Mandated Design Standards
  - Seismic analysis
  - Inundation analysis
  - Spillway capacity analysis
  - Structural design review

- **Stanislaus County Department of Public Works**
  - Del Puerto Canyon Road relocation

- **City of Patterson**
  - Zacharias Road / Industrial Business Park Expansion
Other Challenges

- Relocation of Major Utilities
  - Power transmission
  - Gas & petroleum transmission
  - Communications

- Coordination with Multiple Agencies
  - Local
  - County
  - State
  - Federal
Questions?