Folsom Lake Intake Improvements Project

Community Meeting
April 24, 2019
Presentation Outline

• Meeting Overview
  • How to Stay Informed
• Project Overview Presentation
  • Project background and summary
  • Environmental review process
• Questions – Breakout Session
How to Stay Informed

• Project Website: www.eid.org/FolsomLakeIntakeProject
• eNews: Sign up to receive an eMail notifications at www.eid.org
• Phone: 530.622.4513
• Email Project related questions FLIntake@eid.org
Folsom Lake Intake Improvements Project

Improvements to and replacement of existing facilities at the raw water intake on Folsom Lake
Folsom Lake Intake Improvements Project

- Folsom Lake Intake supplies raw water from Folsom Lake to the El Dorado Hills Water Treatment Plant
- Treated water delivered to customers in El Dorado Hills
Folsom Lake Intake Improvements Project

- Water supplied through Folsom Lake Intake is critical to provide reliable water supply for El Dorado Hills customers
- Project does not increase the capacity or change the use of the existing facilities being replaced
Project Elements/Objectives

• Construct a temperature control device for EID’s intake facilities in order to preserve the cold-water pool in Folsom Lake to help enhance downstream habitat for fish

• Replace selected existing pumps with more reliable and efficient equipment
Project Elements/Objectives

- Install infrastructure to provide raw water supply to meet the El Dorado Hills Water Treatment Plant’s currently permitted capacity
- Improve and optimize the intake system’s appurtenant facilities
Why is the Project Required?

- Original intake constructed in 1958
- Additional pumps were installed in 1994
  - Both systems have reached the end of their useful life and have become increasingly unreliable
- Temporary pumps installed in 2010 have failed entirely
Why is the Project Required?

• Facility must be modified to allow selective withdrawal of water based on temperature
  • Temperature control device (TCD)
  • Preserve cold-water pool in Folsom Lake to help enhance downstream habitat for anadromous fish (i.e., salmon and steelhead)
Why is the Project Required?

• TCD is a requirement of EID’s contract with the U.S. Bureau of Reclamation to allow EID to access its full allotment of water rights

• Cooperative Agreement between EID and U.S. Bureau of Reclamation to fund a 50% of the costs to construct the TCD
Why is the Project Required?

- Folsom Lake Intake is critical component to EID’s raw water supply
  - EID’s sole source of water from Folsom Lake
  - Approximately 1/3 of EID’s water supply
- High priority for improvements
  - Age and deteriorated condition
  - Past pump failures
  - Outdated two stage pumping system
  - Ongoing safety issues
  - Difficulty obtaining parts for 1958 vintage booster pumps
Background

- TCD project similar to current Project proposed in 2002
- Re-evaluated options to construct TCD in 2005
  - Constructing new facility either east or west of existing facility
  - Retrofitting current intake facility
  - Intake structure adjacent to river channel in lake
- Due to escalating project costs estimates, re-evaluated design options in 2018
Facility Improvements
Temperature Control Device
Environmental Review Process

- California Environmental Quality Act (CEQA)
  - Describe potential environmental impacts
  - Identify ways to avoid or lessen those impacts
  - Promote coordination with public agencies
  - Encourage public participation
Environmental Review Process

- EID is lead agency under CEQA
- Staff prepared an Initial Study/Mitigated Negative Declaration (MND)
  - Evaluate potential environmental effects associated with the Project
Environmental Review Process

- Staff prepared a Mitigation, Monitoring, and Reporting Program (MMRP)
  - Identify feasible mitigation measures that avoid, mitigate, or reduce potential environmental effects to a less-than-significant level
Environmental Review Process

• Public Review
  • Initial Study and proposed MND released for public and agency review February 6 – March 7, 2019
  • On April 8, 2019, Board voted to
    • Continue public hearing until May 13, 2019
    • Provide additional 10-day public review period
    • Convene a community meeting
Topics Analyzed in MND

- Aesthetic Resources
- Agricultural and Forestry Resources
- Air Quality
- Greenhouse Gas Emissions
- Energy
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrology and Water Quality
- Land Use and Planning
- Hazards and Hazardous Materials
- Noise
- Public Services
- Recreation
- Transportation
- Utilities and Service Systems
- Tribal Cultural Resources
- Wildfire
- Population and Housing
Mitigation Measures

- Mitigation measures are included in the MMRP to reduce potential impacts to less-than-significant levels
Mitigation Measures

- **Biological Resources**
  - Nesting raptors
  - Nesting birds
  - Waters of the U.S.
  - Oaks

- **Cultural Resources**
  - Undiscovered historic properties
  - Undiscovered burials
Mitigation Measures

• Hydrology and Water Quality
  • Stormwater Pollution Prevent Plan
  • Spill Prevention and Control Plan
  • Best Management Practices for in-water work
Resident’s Concerns

- Public notice
- Traffic
- Road condition
- Wildfire
- Noise
- Dust
- Aesthetics
- Project schedule
Outreach During Construction

- Project updates
  - Send Project mailer before construction begins
  - Maintain website
  - Provide eNotifications
  - Provide look ahead schedules describing upcoming activities
Providing Comments

• Written comments can be submitted at tonight’s community meeting to an EID representative
• Email your comment to Brian Deason bdeason@eid.org by Thursday, April 25, 2019
• May 13, 2019 EID Board meeting
Breakout session

- Environmental review
- Engineering
- Operations