El Dorado Water & Power Authority is implementing the El Dorado Water Reliability Project as a component of EDWPA’s effort to meet long-term water needs for the West Slope of El Dorado County.

EDWPA Overview

  - El Dorado County
  - El Dorado County Water Agency (EDCWA)
  - El Dorado Irrigation District (EID)
- Implement El Dorado-SMUD Cooperation Agreement (2005); governs storage and release of water in the Upper American River Project
Need for the Project

Watersheds, Use Areas, and Facilities

- West Slope of El Dorado County (See Map Poster)
  - Area west of the divide along the Sierra Nevada ridgeline
  - Placerville, HWY 50 corridor
  - Urban and rural communities: El Dorado Hills, Cameron Park, Shingle Springs
  - Farmland, El Dorado National Forest areas

- Major Existing Water Facilities
  - SMUD facilities in the South Fork and Middle Fork American River
  - American River Pump Station (North Fork American River)
  - Folsom Lake Intake and Pump Station (EID)

Future Project Water Needs

- 2014 West Slope Update to EDCWA’s Water Resources Development and Management Plan (2007)
  - Considers 2004 General Plan, recycled water use, state mandated and best practice conservation, climate change
  - Total projected demand = 148,590 AFY
  - Water Supply Shortage = 69,000 AFY
  - Localized water shortages start as early as 2028

- 2017-2018 Update Underway
  - Latest agricultural demand forecasts
  - Latest County and regional land use data and projections
Project Objectives and Overview

Project Objectives

- Secure 40,000 AFY of additional water rights from the American River to:
  - Improve water supply reliability & drought resiliency
  - Support planned growth & economic vitality in the West Slope of the County
- Provide a long-term water supply that is economically, financially, technically, institutionally, and environmentally feasible

Project Overview

- Water for in-County beneficial use: 40,000 AFY
  - Water supply to meet GP projected future land use demands
  - Enhance drought period reliability (immediate need)
- Securing Water Rights:
  - Partial Assignment of Applications 5644 and 5645 filed by the State (Water Code Section 10500 et seq).
  - Updated filing for revised diversion points, rediversions, and storage

Long Term & Interim Beneficial Uses

- Use existing SMUD facilities, immediately exercise water rights upon State Water Board Approval
- Period of developing in-County Demand:
  - Immediately create drought relief reserve
  - Interim water to support out-of-county-beneficial uses when in-County demands require less than full allocation
  - Combined use varies annually, not-to-exceed 40,000 AFY:

<table>
<thead>
<tr>
<th>Beneficial Use Category</th>
<th>Initial Phase</th>
<th>Intermediate Phase</th>
<th>Anticipated Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-County Use</td>
<td>up to 5,000</td>
<td>up to 30,000</td>
<td>up to 40,000</td>
</tr>
<tr>
<td>Interim Out-of-County Use</td>
<td>0 – 40,000</td>
<td>5,000 – 20,000</td>
<td>5,000 – 10,000</td>
</tr>
<tr>
<td>Total Not-to-Exceed Amount</td>
<td>40,000</td>
<td>40,000</td>
<td>40,000</td>
</tr>
</tbody>
</table>
Project Area (West Slope of El Dorado County)
Project Elements and Key Environmental Issues to be Addressed in the EIR

Project Elements

- Primary Focus Areas: Full Project-Level Analysis of environmental impacts from
  - Water diversion
  - Water storage
  - Water use
- Future facilities installed by water purveyors
  - Programmatic level of evaluation
  - Detailed, project-level review required at a later date

Key Environmental Issues

Water Diversion and Supply Management Impacts (Project Level CEQA Analysis)

- Surface Water Resources: Hydrology and Water Quality
  - Diversion could affect storage and operations at Folsom Reservoir, UARP, flows along the Upper American River, Lower American River, Downstream / Delta which might affect:
    - Hydrology, flows, water quality
    - Reservoir storage
    - SMUD Upper American River operations, reservoir levels, and power generation

- Aquatic Resources: Fisheries
  - Changes in river flows, water quality, changes or increases in diversion, or other proposed changes could affect fisheries in hydrologically or operationally connected areas
    - Changes in extent of habitat or habitat quality
    - Changes in a fish population causing it to drop below self-sustaining levels
    - Effects on special status species
    - Interference with movement of native / migratory fish species
Project Elements and Key Environmental Issues to be Addressed in the EIR

Key Environmental Issues (Cont.)

Water Diversion and Supply Management Impacts
(Project Level CEQA Analysis) (Cont.)

- Water-Oriented Recreation
  - Changes in volume and timing of diversion from the American River, changes in reservoir storage
  - Effects on water-based recreation opportunities along the American River (boating, rafting, fishing)
  - Changes in water levels would not likely affect land based recreation facilities

- Greenhouse Gas Emissions
  - Increase energy (and GHG emissions) to divert, convey, treat, and distribute water
  - Reduction in hydropower generation could also occur, increasing fossil power production (indirect effect)

- Growth Inducement Potential
  - Water to support planned growth in El Dorado County (per County General Plan) + short term / interim uses downstream
  - Growth inducement not anticipated beyond existing (adopted) land use planning (planned growth upstream + short term/drought supply downstream)

Facility-Related Impacts (Programmatic CEQA Analysis)

- Future construction of additional facilities by purveyors (new and upgraded water diversion, transmission, treatment, distribution facilities)

- Programmatic level analysis

- EIR will consider impacts on:
  - Aesthetics
  - Agricultural & Forest Resources
  - Air Quality
  - Cultural Resources
  - Geology, Soils, Seismicity
  - Hazards and Hazardous Materials
  - Hydrology and Water Quality (local/site specific)
  - Land Use Plans and Policies
  - Noise
  - Terrestrial Vegetation and Wildlife
  - Transportation and Traffic
  - Utilities and Services
EIR Schedule and Public Comment Process

CEQA Process and EIR Timeline

- 2010: Draft EIR circulated (SCH# 2008102090)
  - Deferred project to increase level of regional collaboration

- 2014: Revised NOP Circulated (March)
  - Deferred EIR preparation due to changed conditions, growing emergency caused by 2013-2016 historic drought

- 2015: Mid-2019: Draft EIR

- 2016: Mid-2020: Final EIR, SWRCB water right process

Public Comment Period and Opportunities to Comment

- How to Comment today: To comment on record, please do one or both of the following:
  - Complete a comment card with your written comment and deposit into the comment box
  - Read or speak your oral comment to the court reporter

- Your oral comments to people other than the court reporter and their responses will not be recorded and will not be on record. You must file a comment card or speak to the reporter to get your comment on record and have it considered during the EIR process.

- Types of comments:
  - Project and project elements
  - Project alternatives
  - Scope of environmental analysis
  - Potential environmental impacts

- How to submit comments after today:

Julianne van Leeuween
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Deadline February 5th, 2018.