

El Dorado Water & Power Authority Supplemental Water Rights Project

Environmental Impact Report

PUBLIC SCOPING MEETING AND WORKSHOP



EL DORADO
WATER & POWER
AUTHORITY

November 12, 2008, 6:30-8:30 pm
Building "C", Planning Commission
Placerville, California

November 17, 2008, 6:30-8:30 pm
SMUD Auditorium
Sacramento, California

Tonight's Objectives

- What is EDWPA?
- Project Background
- Project Description
- CEQA Process
- Key issues
- Schedule
- Take Comments



*South Fork American River Near Akin
Powerhouse*

Housekeeping

- Sign-in sheet
 - ☑ Box to receive further information
 - Provide mailing address
- Comment Cards
 - Submit tonight or mail
- Oral comments
- Written comments
 - Mailed by December 5, 2008



What is EDWPA ?

- El Dorado Water & Power Authority (EDWPA)
 - El Dorado County Water Agency (EDCWA)
 - El Dorado Irrigation District (EID)
 - Georgetown Divide Public Utility District (GDPUD)
 - El Dorado County (EDC)



Project Background

- EDC 2004 General Plan
 - Land use
 - Recognizes water needs

Existing Water Supply and Water Needs (acre-feet)

	Existing Safe Yield Supply	Projected Demand		Add'l Water Supply Needs	
		2025	Buildout	2025	Buildout
Total Western Slope	78,807	113,083	182,325	34,276	103,518
EID/GDPUD	69,253	100,834	155,549	31,581	86,296

Source: 2007 EDCWA Water Resources Development and Management Plan



Project Background

- Water supply development initiatives
 - CVP contracting actions
 - Water rights perfections
 - Water Master Plans
 - Drought Preparedness Plans
 - Water Resources Development & Management Plan
- El Dorado – SMUD Cooperation Agreement
 - Clarifies 1957/61 El Dorado - SMUD Agreements
 - Provides UARP storage for El Dorado County water
- Supplemental water right applications

A background image of a forest with tall evergreen trees and a stream with rocks in the foreground. The image is partially obscured by a white rounded rectangle containing the text.

Project Description

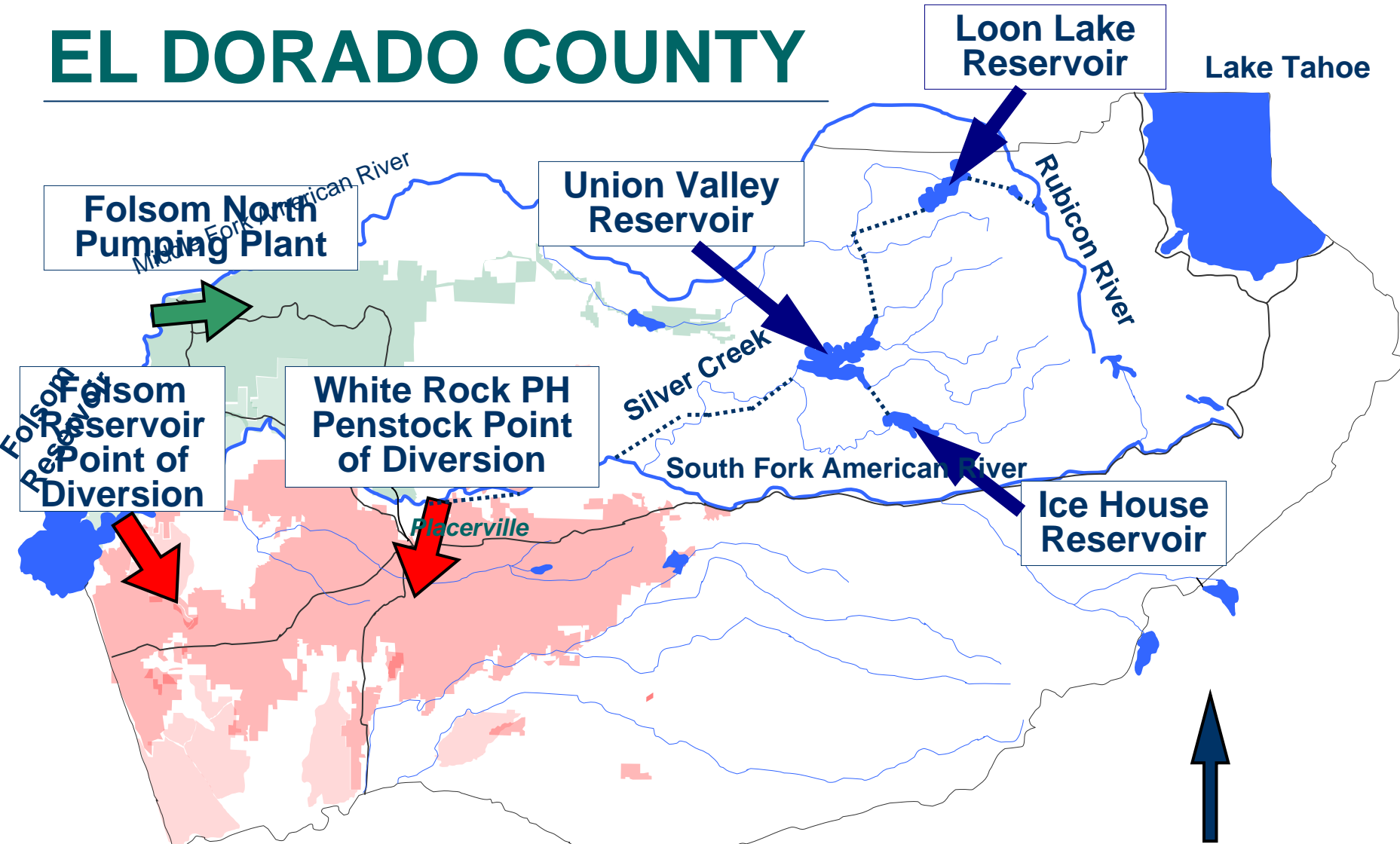
*The **Supplemental Water Rights Project's** purpose is to obtain water rights from the American River basin to meet future water needs in EID, GDPUD and other service areas, by filing petitions for partial assignments of State Filed Applications 5644 and 5645 for use of **40,000 afa**, consistent with the El Dorado – SMUD Cooperation Agreement.*

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Project Description

- Supplemental Water Rights Application
 - SMUD Upper American River Project (UARP)
 - Ice House, Union Valley and Loon Lake Reservoirs
 - Silver Creek and the SF American and Rubicon Rivers
- Consistent with operational conditions of new UARP license
 - Various stream releases
 - Reservoir operations
 - Recreation flows
 - Other

EL DORADO COUNTY



EID GDPUD

		Existing Service Areas
		Unserved "Favorable" Areas

[Back](#)

A background image of a forest with tall evergreen trees and a rocky stream bed in the foreground. The image is partially obscured by a white rounded rectangle containing the text.

Project Description

- Assignment of State Filed Applications
 - Water Code Reservations of:
 - Water for areas where water originates
 - 1. SFA 5644 – Loon Lake Reservoir
 - 10,000 afa
 - 2. SFA 5645 – Ice House and Union Valley Reservoirs
 - 40,000 afa

Total project take limited to 40,000 afa

Project Description

- Points of Diversion

- EID

- White Rock Penstock
- Folsom Reservoir

- GDPUD

- Folsom Reservoir
 - PCWA Exchange

- Service Area

- Existing boundaries
- Unserved “favorable” areas



White Rock Powerhouse

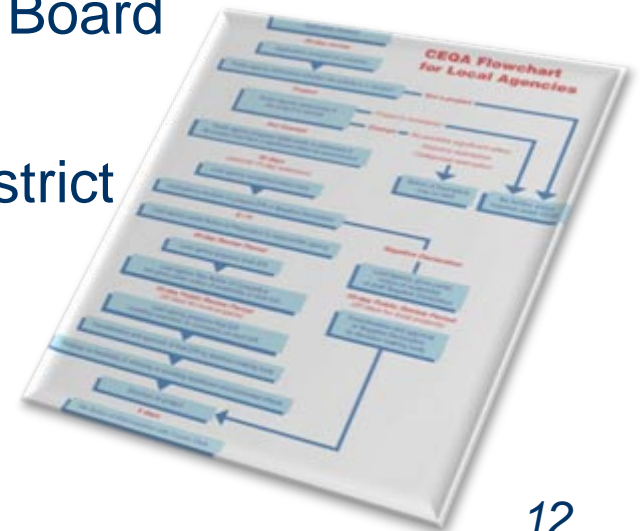


North Fork American River

CEQA Process

What is a Responsible Agency?

- Responsible Agencies:
 - El Dorado Irrigation District
 - Georgetown Divide Public Utility District
 - State Water Resources Control Board
 - Placer County Water Agency
 - Sacramento Municipal Utility District



CEQA Process

- Environmental Impact Report
 - Project Level – Diversion related effects
 - Program Level – Non-diversion related effects
 - No New Facilities
- No Construction



Folsom Reservoir from El Dorado County

CEQA Process

Project Area of Effect

- Hydrological
 - Upper American River
 - Folsom Reservoir
 - Lower American River
 - Upper and Lower Sacramento River and Reservoirs
 - Delta
- Service Areas
 - EID Service Area
 - GDPUD Service Area
 - Unserved “favorable” areas



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CEQA Process

Resource Analysis

Diversion Related

- Water Supply
- Hydropower
- Flood Control
- Fisheries and Aquatic Resources
- Riparian Resources
- Water Quality
- Recreation (water-related)
- Cultural Resources (water-related)

Non-Diversion Related

- Land Use
- Noise
- Air Quality
- Traffic/Transportation
- Public Utilities
- Soils/Geology
- Hazardous Materials
- Visual/Aesthetics
- Recreation
- Cultural Resources

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CEQA Process

Project Alternatives

- Preliminary Alternatives
 - Reduced Diversion to 30,000 AFA
 - Reduced Diversion to 20,000 AFA
 - Water Transfer Alternative (Sacramento)
 - Rubicon River Diversion (GDPUD)
 - Groundwater Banking/Exchange

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CEQA Process

Project Alternatives

- Preliminary Alternatives - *continued*
 - CVP Water Contract
 - SWP Exchange
 - Increased Water Conservation
 - Increased Wastewater Reclamation
 - New Surface Water Storage Development (Alder Creek, Lower Ice House, and Canyon Creek reservoirs)

CEQA Process

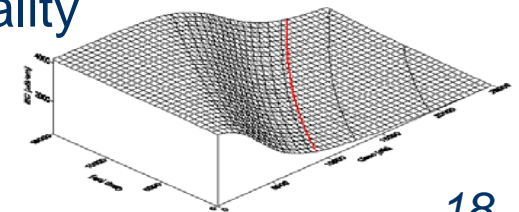
Hydrological Analysis

- Water Availability Analysis
 - Numerical modeling consistent with current UARP FERC licensing



- Folsom Reservoir and Downstream

- CALSIM II (CVP/SWP)
- USBR Water Temperature Modeling
- USBR Early Life Stage Salmon Mortality Modeling
- USBR Long-Term GEN Modeling



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CEQA Process

Analysis Timeframes

- **Current Condition**
 - 2005 Base Hydrology
- **Future Condition**
 - 2030 Future Hydrology
- **Assumptions**
 - Hydrology based on USBR/DWR demands used in OCAP
 - Updates have been included in the interim
 - Project/Alt. model runs simulated against Base Hydrology

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Key Issues

- SMUD's new UARP license operating conditions
- Water Forum
 - LAR Flow Management Standard
 - Water Forum Agreement – PSAs (“wedge year cuts”)
- Climate Change Effects
- Future Growth in El Dorado County
- Water Conservation and Maximization of Beneficial Use

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Key Issues

- CVP/SWP and Delta Issues
 - Pelagic Organism Decline
 - Pending CVP-OCAP Biological Opinions
 - ✗ Final Wanger ruling(s)
 - Bay-Delta Conservation Plan
 - Delta Vision

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Project Schedule

- **NOP/Initial Study**
 - Comment period closes December 5, 2008
- **ADEIR**
 - Anticipated July 2009
- **Public Draft EIR**
 - Anticipated October 2009
- **Final EIR**
 - Early 2010

Public Comments

Comments should be sent to:

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Thank You!





Questions / Comments ?