



Devil Canyon Project (DCP) Relicensing

FERC Project No. 14797

South State Water Project (SSWP) Relicensing

FERC Project No. 2426

California Water Commission Briefing



08/19/2020

Briefing Purpose

Update the California Water Commission on the State Water Project's Southern Hydropower Facilities Relicensing Efforts.



Why Relicense?

- Federal Power Act (FPA)
- Federal Energy Regulatory Commission (FERC) requirement to continue operating the project after the initial license terms expires on January 31, 2022
- To continue to provide affordable water supply, clean hydropower, opportunities to integrate green energy, accessible public recreation opportunities, and environmental benefits.



What Is Involved?

- Multi-year stakeholder driven process (initial Agency outreach started fall 2015)
- FERC “re-balances” the power and non-power beneficial uses of project
- Licensee
 - Gathers/presents all known information and performs studies to fill information gaps
 - Works with stakeholders to develop Protection, Mitigation, and Enhance measures (PM&E’s) to address potential resource impacts
 - Performs all other required related regulatory processes (CEQA, ESA, Sec 106)



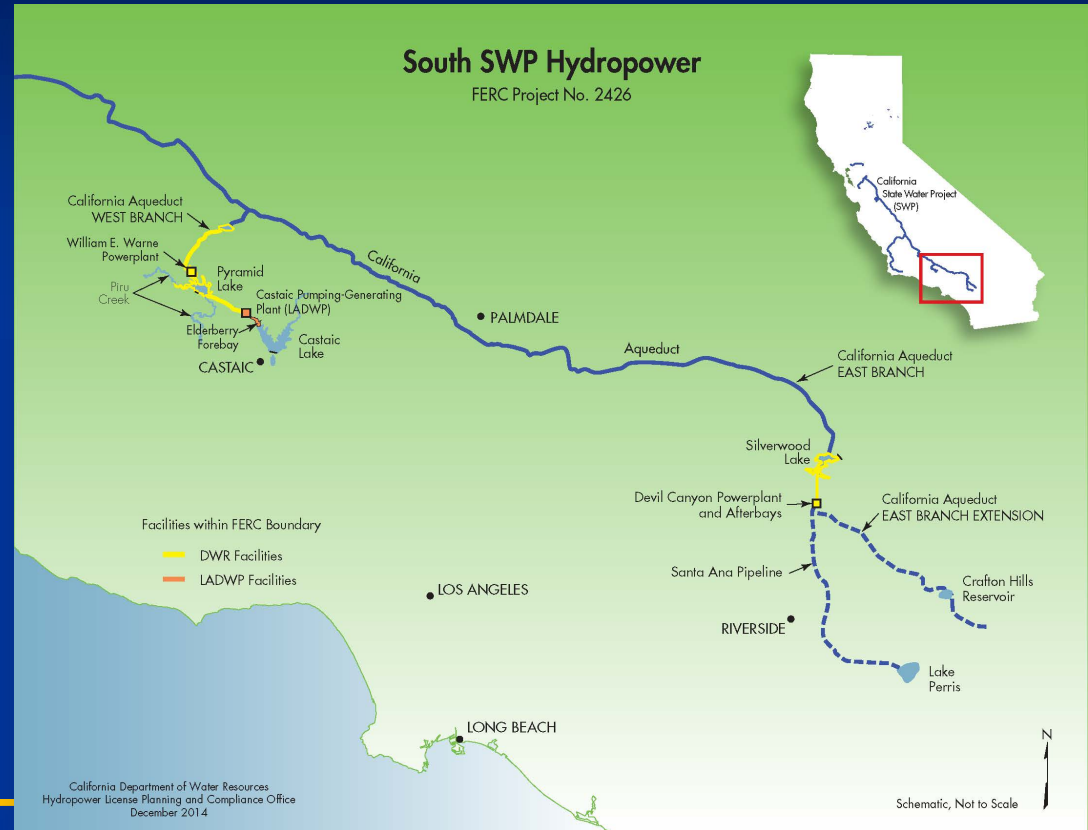
Relicensing Team

- Multi-Divisional w/in DWR
 - Hydropower License Planning and Compliance Office (HLPCO)- lead
 - Extensive coordination with O&M Headquarters, O&M Southern Field Division, Division of Engineering, State Water Project Analysis Office, Power and Risk Office, Division of Environmental Services, Office of Chief Counsel
- Consultant Resources
 - Stantec with HDR as sub-contractor, facilitating process and developing FERC submittals
 - Van Ness Feldman, Washington DC-based outside legal counsel w/ FERC expertise
- Executive- Level Review
 - SWP Deputy Director
 - Steering Committee- O&M Chief, SFD Chief and Assistant Chiefs
 - Ralph Torres, former SWP Deputy RA advisor
 - Chief Operating Officer, detailed briefing on DLF/DLA contents
- SSWP – LADWP (Co-Licensee's)



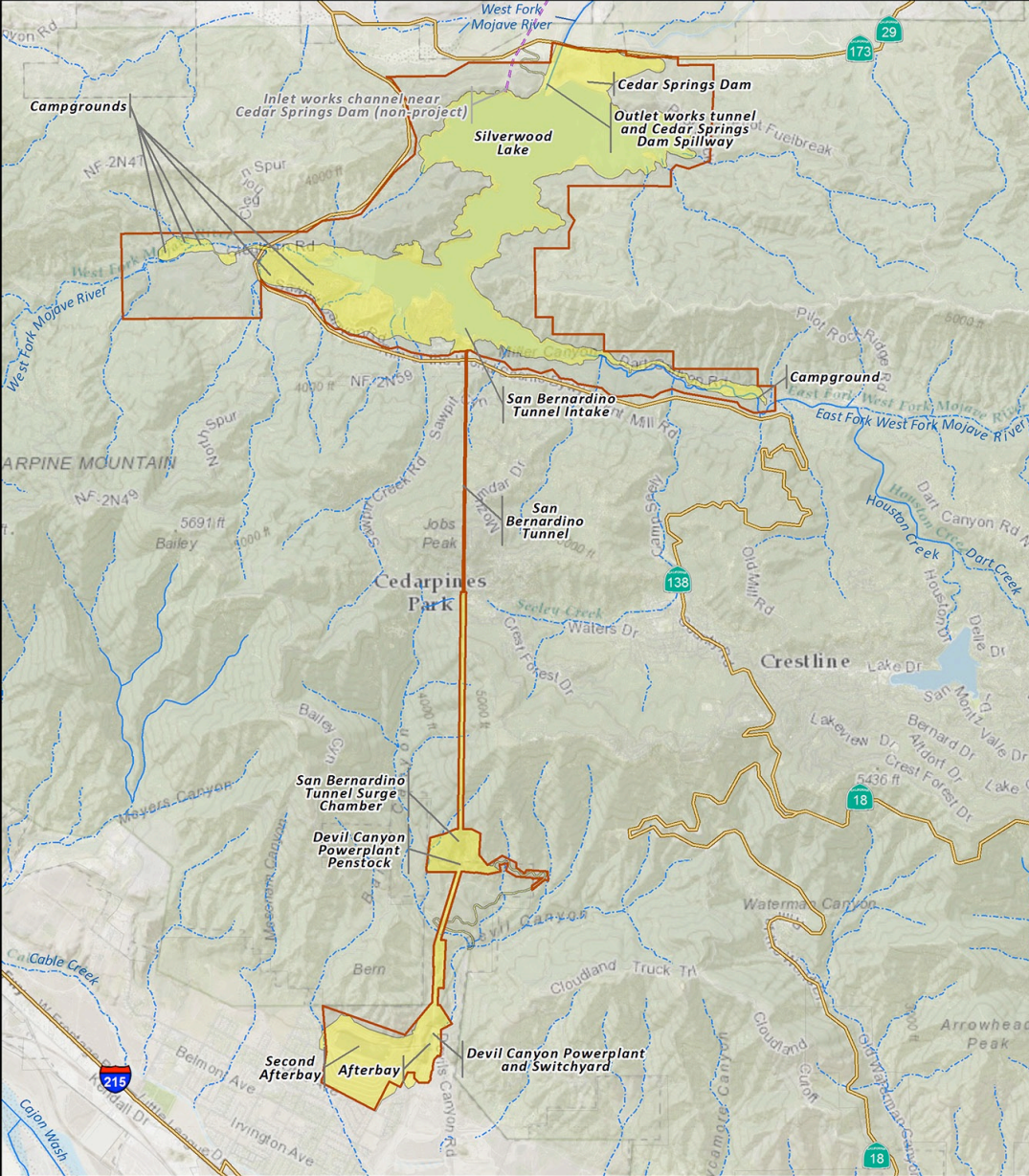
Devil Canyon - Project Scope

- Devil Canyon Project part of existing FERC Project No. P-2426 on the SWP East Branch
- DWR and Los Angeles Department of Water and Power (LADWP) requested that FERC issue two separate licenses:
 - One new license to DWR and LADWP as co-licensees for the South SWP Hydropower facilities on the West Branch (FERC Project No. P-2426)
 - One new license to DWR for the Devil Canyon Project facilities on the East Branch (FERC Project No. P-14797)



Devil Canyon Project Facilities

- Cedar Springs Dam
- Silverwood Lake
- San Bernardino Tunnel
- Devil Canyon Powerplant
- Devil Canyon Afterbay & Second Afterbay
- Devil Canyon Switchyard
- Associated recreational facilities
- Roads, gages and appurtenant facilities




Legend

- Existing Project Boundary (v.20150114)
- Proposed Project Boundary (v.20151214)
- State Water Project
- Stream - Intermittent
- Stream/Canal/River
- Major Highway

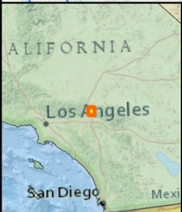
0 0.75 1.5 Miles

Prepared: August, 2016
 Projection: CA SP V NAD83 (ft)
 Background: ESRI World Topo (2015)
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DEVIL CANYON PROJECT RELICENSING
 FERC PROJECT NO. 14797



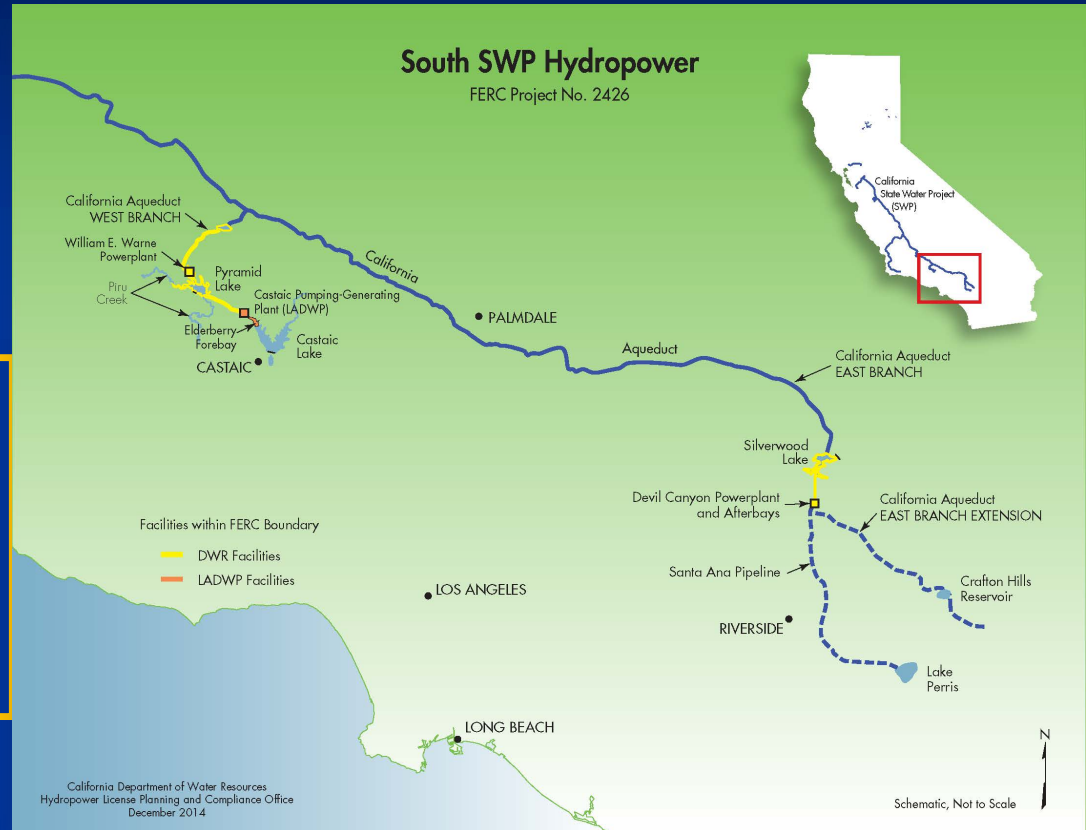
Location



South SWP Project Scope

- Devil Canyon Project part of existing FERC Project No. P-2426 on the SWP East Branch
- DWR and LADWP requested that FERC issue two separate licenses:

- One new license to DWR and LADWP as co-licensees for the South SWP Hydropower facilities on the West Branch (FERC Project No. P-2426)
- One new license to DWR for the Devil Canyon Project facilities on the East Branch (FERC Project No. P-14797)



South SWP

- Existing Facilities -

■ Warne Power Development

- Quail Lake
- Lower Quail Canal
- Quail Detention Embankment*
- Peace Valley Pipeline Intake Embankment
- Peace Valley Pipeline
- Gorman Bypass Channel
- William E. Warne Powerplant
- Warne Transmission Line**

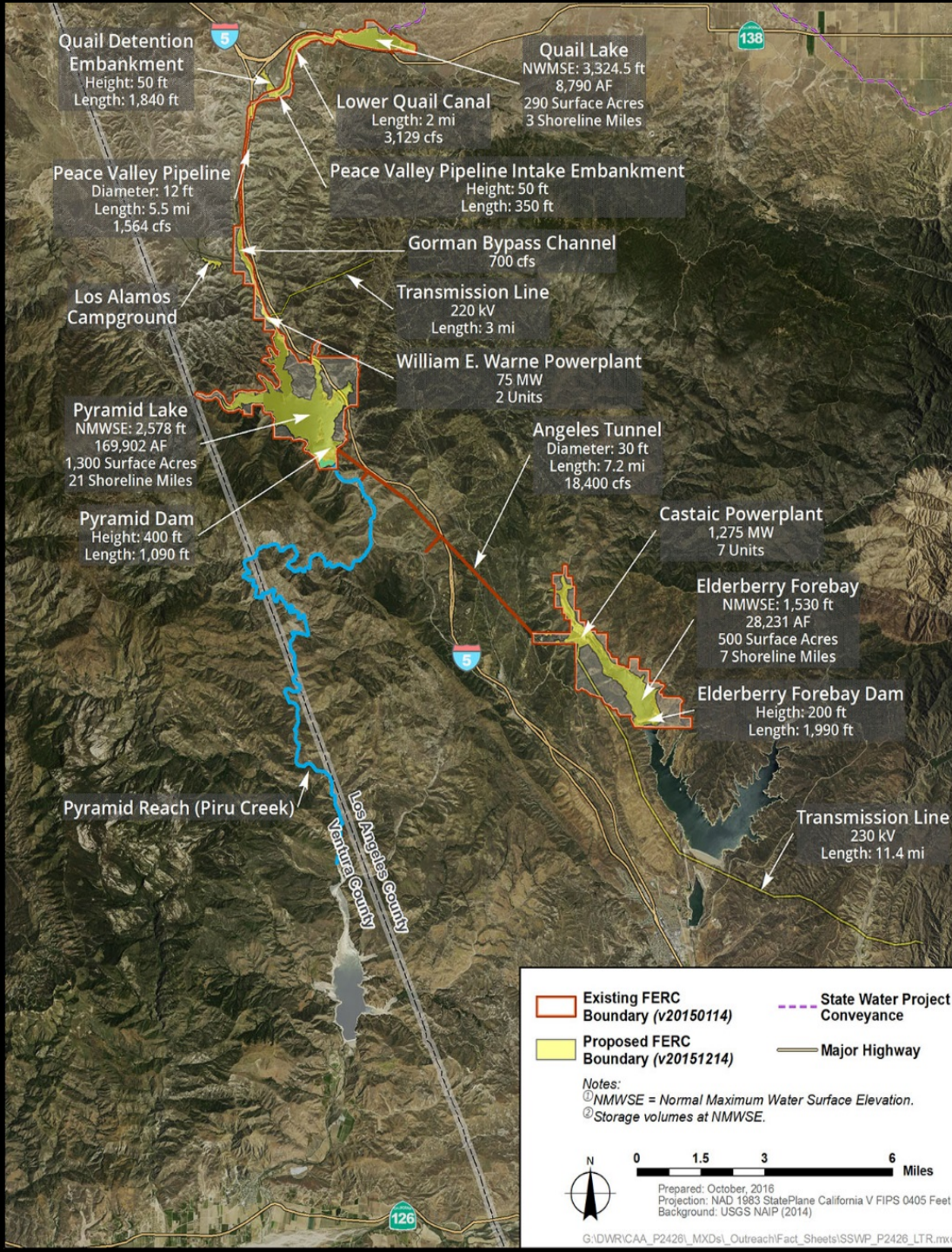
■ Castaic Power Development

- Pyramid Lake and Dam
- Angeles Tunnel and Penstocks
- Castaic Powerplant
- Castaic Transmission Line
- Elderberry Forebay and Dam

- Roads, gages, appurtenant facilities, and associated recreation facilities

*Proposed for inclusion under license

**Proposed for removal under license



Stakeholder Engagement

- Broad stakeholder process starting fall 2015
- Much upfront effort in developing communication protocols, mail and e-mail lists, project website
- Many meetings, both public and with individual entities, FERC-required and “above and beyond”
- Formal kick-off with FERC-required Joint meeting and site visit in November 2015

Federal, State, & local agencies

Non-governmental organizations (NGO's)

Local special interest groups & groups from far away

Landowners (public and private)

Federally & non-federally recognized Indian tribes & non-tribal Native Americans

Business interests including farmers & ranchers

Industries

Anybody!!!



Key Stakeholders

- State Water Resources Control Board (SWRCB)
 - Have mandatory conditioning authority related to water quality certification for the relicensing
- California Department of Fish and Wildlife (CDFW)
 - Have authority to recommend measures to protect fish and wildlife resources of under FPA Section 10(j)
- United States Fish and Wildlife Service (USFWS)
 - Have authority to recommend measures to protect fish and wildlife resources under FPA Section 10(j); may include conditions for ESA-listed plants and animals under a biological opinion



DCP - Key Stakeholders (cont.)

- San Bernardino National Forest (SBNF)
 - can submit mandatory conditions to protect a federal reservation under FPA Section 4(e)
- San Manuel Band of Mission Indians and Morongo Band of Mission Indians
 - May include conditions under an historic properties management plan under NHPA Section 106
- Department of Parks and Recreation (DPR)
 - Operates Silverwood Lake SRA
- Pacific Crest Trail Association (PCTA)
 - Interested in issues that may affect the PCT



SSWP - Key Stakeholders (cont.)

- SSWP - Angeles and Los Padres National Forests
 - Can submit mandatory conditions to protect a federal reservation under FPA Section 4(e)
- National Marine Fisheries Service
 - Have authority to recommend measures to protect fish resources under FPA Section 10(j); have authority to prescribe fishway passage under Section 18; may include conditions for ESA-listed anadromous fish under a biological opinion
- Morongo Band of Mission Indians, Fernandeño Tataviam Band of Mission Indians, and Tejon Indian Tribe
 - May include conditions under a historic properties management plan under NHPA Section 106



DCP - Most Significant Stakeholder Concerns

Stakeholder	Specific Interests/Concerns
USFS	Impacts to USFS lands: “over flow” recreation (trash); visual impact of DCPP penstocks; potential upstream AIS impacts from fish stocking
PCTA	Visual impacts to PCT from Cedar Springs Dam, other recreation facilities/fencing
DPR	Funding for FERC- required recreation commitments



SSWP - Most Significant Stakeholder Concerns

Stakeholder	Specific Interests/Concerns
USFS	Frenchman's Flat to Address Hardluck Removal ABA/ADA Recreation Improvements Meeting Pyramid Inflow/Outflow Requirements
CDFW	Fish Stocking at Castaic Lake Meeting Pyramid Inflow/Outflow Requirements
SWRCB	Meeting Pyramid Inflow/Outflow Requirements
NMFS	Fish Passage Meeting Pyramid Inflow/Outflow Requirements
FERC	Addressing Hardluck Removal Whitewater Boating Opportunities



Other Outstanding Issues

- Mechanics of 401 WQC process given recent court rulings mandating a one-year processing
- SSWP - LADWP PM&E cost-share negotiations



Final License Application

- DCP – Filed Nov. 2019 SSWP – Filed Jan. 2020
- Includes initial Preliminary Application Document and study information
- Provides applicant’s analysis of the Project effects on the environment
- Addresses stakeholder comments on Draft License Application
- Opportunity for applicant to propose PM&E plans and measures:
 - Visual Resources Management Plan
 - Recreation Resources Plan
 - Aquatic Invasive Species Plan
 - Fire Prevention
 - Erosion & Sediment Control Plan
 - Hazardous Materials
 - Transportation Management Plan
 - Integrated Vegetation
 - Historic Properties Management Plan
 - Fish Stocking



Next Steps

- FERC – Additional Information Requests
- NEPA
- CEQA
- Section 106 National Historic Preservation Act
 - Tribal Consultation
 - State Historic Preservation Office
- State Water Resources Control Board
 - Section 401 Water Quality Certification

