

*Filed Electronically*

October 23, 2019

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington, DC 20426

**Subject: Kaweah Project (FERC Project No. 298)  
2019 Updated Study Report**

Dear Secretary Bose:

Southern California Edison Company (SCE) is filing this Updated Study Report to provide the Federal Energy Regulatory Commission (FERC or Commission) and stakeholders with information regarding progress made in implementing the FERC-approved Technical Study Plans (TSP) associated with the relicensing of the Kaweah Project (Project).

In accordance with 18 CFR §5.15(f), SCE must file an Updated Study Report within two years of Study Plan Determination by the Commission. This report summarizes SCE's overall progress to date (through September 30, 2019) in implementing the study plans, including an explanation of any variances. This report also summarizes any modifications to ongoing studies or new studies proposed by SCE. This report is being filed with the Commission and distributed to stakeholders.

In accordance with 18 CFR §385.2010, service of the 2019 Updated Study Report is being made by electronic means unless a relicensing participant's e-mail address is unavailable or they previously requested delivery via U.S. mail (Attachments A and B). The 2019 Updated Study Report and other Kaweah Project relicensing documents can be obtained from FERC's website at [www.ferc.gov/docs-filing/elibrary.asp](http://www.ferc.gov/docs-filing/elibrary.asp) or SCE's Kaweah Project relicensing website at [www.sce.com/kaweah](http://www.sce.com/kaweah).

### **Background**

On December 14, 2016, SCE filed a Notice of Intent (NOI) and Pre-Application Document (PAD) with the Commission to seek a new license for the existing 8.85-megawatt (MW) Kaweah Project. The PAD provided the Commission, federal and state agencies, Native American Tribes, and other interested parties with background information related to Project facilities, operations, and maintenance activities; summarized existing, relevant, and reasonably available information; defined pertinent Project issues; and identified potential study needs. The PAD also included 15 draft study plans that SCE determined were needed to address issues for which existing information may not be adequate. The overall objective of the studies is to develop sufficient information to identify potential Project impacts and to develop new license conditions that reasonably balance multiple resource interests.

On February 10, 2017, the Commission issued a Notice of Commencement of Pre-Filing Process and Scoping Document 1 (SD1) for the Project. SD1 provided interested parties with the

Commission's preliminary list of issues and alternatives to be addressed in an Environmental Assessment analyzing potential conditions of a new Project license. Additionally, the Commission requested that any party interested in providing comments on the PAD and SD1 and/or submitting formal study requests do so by April 13, 2017, in accordance with a 60-day comment period. During the comment period, the Commission conducted public scoping meetings (am/pm) on March 14, 2017 and a site visit on March 15, 2017. The Commission revised SD1 based on oral comments received at the scoping meetings and written comments received throughout the scoping process. Scoping Document 2 was issued on May 18, 2017.

Based on study requests filed by the Bureau of Land Management (BLM), National Park Service (NPS), and American Whitewater (AW), SCE revised one study plan (REC 1 – Recreation Resources) and added two new study plans (REC 2 – Whitewater Boating and LAND 3 – Land Use). All other study plans remained unchanged from the PAD submittal. On May 24, 2017, SCE filed a Proposed Study Plan (PSP) with the Commission which included 17 study plans for the Project. The deadline to file comments on the PSP ended August 28, 2017.<sup>1</sup> During the comment period, SCE conducted a study plan meeting in Visalia, California on June 21, 2017 with stakeholders to: (1) clarify SCE's PSP; (2) discuss information gathering or study requests from stakeholders; and (3) attempt to resolve any outstanding issues with respect to SCE's PSP.

The BLM, NPS, and AW filed comments on the PSP, however, none of the comments filed resulted in revisions to any of the study plans. Therefore, on September 19, 2017, SCE filed a Revised Study Plan (RSP) which stated that the PSP, without revision, constituted its RSP. No comments were filed on the RSP. On October 24, 2017, the Commission issued its Study Plan Determination approving the study plans included in the PSP dated May 24, 2017. SCE began study implementation in early 2018.

In accordance with 18 CFR §5.15(c), on October 18, 2018, SCE filed an Initial Study Report that summarized overall progress through September 30, 2018 in implementing the study plan and schedule and the data collected, including an explanation of any variances. SCE subsequently conducted an Initial Study Report meeting on November 1, 2018 and filed an Initial Study Report Meeting Summary on November 15, 2018. Three comment letters were filed on the ISR meeting summary by NPS, State Water Board, and AW. SCE responded to comments in a filing with FERC dated January 23, 2019. As a result of this process SCE conducted two additional meetings (November 15 and December 4) with the Aquatic Technical Working Group (TWG) to discuss modifications to the AQ 9 – Entrainment Study. Modifications to the plan were agreed to by the Aquatic TWG and SCE filed a revised plan with FERC on December 12, 2018.

In accordance with 18 CFR §5.16(c), on July 26, 2019, SCE filed a Draft License Application (DLA) for the Project. The DLA provides the necessary technical information and analyses to identify and evaluate potential impacts of operation and maintenance of the Project. Supporting Document A of the DLA includes Technical Study Reports (TSR) that document results of the studies implemented for the Project and which provide the basis for the impact analysis in the DLA. The 90-day public review and comment period for the DLA ends on November 1, 2019.

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<sup>1</sup> The statutory deadline for filing comments on the Proposed Study Plan was August 26, 2017 which fell on a Saturday. According to 18 CFR §385.2007(a)(2), if a filing date falls on a Saturday, Sunday, or federal legal public holiday, the deadline for filing becomes the next business day.

### **Technical Study Report Distribution**

TSRs were developed for each study (with the exception of the AQ 9 – Entrainment Study<sup>2</sup>) and distributed to stakeholders for a 90-day review period. Each TSR includes a description of the study objectives; study area; approach and methods; data analysis; and results. Attachment C includes the distribution dates of each TSR. Comments received on TSRs distributed prior to filing of the DLA were addressed in TSRs included in Supporting Document A. Comments received during the DLA review period will be addressed in the Final License Application (FLA).

### **Study Implementation Progress**

Study progress through September 30, 2019 is summarized in Attachment D. Each study is categorized as follows:

- **Complete:** These studies are complete with no variances and no proposed modifications.
- **Outstanding Elements:** These studies have outstanding administrative elements to be completed, including data distribution and reporting on specific components.
- **Variance:** These studies have a variance from the TSP.
- **Ongoing:** These studies have elements that are ongoing (field work / consultation) that will extend beyond filing of the FLA in December 2019.

### **Next Steps**

In accordance with 18 CFR §5.15(f), SCE will convene an Updated Study Report Meeting to discuss overall progress of study plan implementation and address any stakeholder comments. Meeting details are as follows:

Date:	November 6, 2019
Time:	1:00 pm – 3:00 pm
Location:	Wyndham Visalia Maple Room 9000 W. Airport Drive Visalia, CA 93277
WebEx:	Call-in Number: (855) 225-9582 Conference ID: 8381340 Skype: <a href="https://meet.cardno.com/julie.smith/vll4w310">https://meet.cardno.com/julie.smith/vll4w310</a>

In accordance with 18 CFR §5.15(c)(3) through §5.15(c)(7), within 15 days following the meeting, SCE will file an Updated Study Report Meeting Summary with the Commission. Any participant or the Commission may file a disagreement on the meeting summary within 30 days. Responses to filings on the meeting summary are due 30 days later. The Commission Director will resolve any disagreements and amend the approved study plan, as appropriate, no later than 30 days

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<sup>2</sup> The AQ 9 – Entrainment study is ongoing. A TSR for this study will be distributed to stakeholders following completion of the study in 2020.

following the due date for responses. If no disagreements are filed, the meeting summary and any proposed amendments are deemed approved.

SCE looks forward to working with the Commission and interested parties as the relicensing of the Kaweah Project proceeds. If you have any questions regarding this filing please contact David Moore, SCE Project Manager, by phone at (626) 302-9494 or via e-mail at [david.moore@sce.com](mailto:david.moore@sce.com).

Sincerely,



Wayne P. Allen  
Principal Manager

**Attachments:**

- Attachment A: Certificate of Service
- Attachment B: Distribution List
- Attachment C: Technical Study Report Distribution Dates
- Attachment D: Technical Study Plan Implementation Summary

**Attachment A**  
Certificate of Service

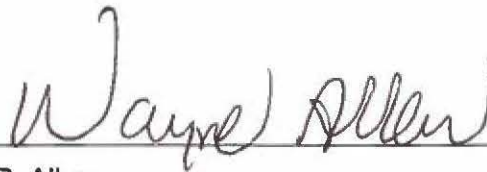
**Certificate of Service**

**2019 Updated Study Report**

**Southern California Edison Company  
Kaweah Project  
FERC Project No. 298**

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding, and the enclosed distribution list.

Dated at Rosemead, California this 23<sup>rd</sup> day of October, 2019.



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Wayne P. Allen  
Principal Manager, Regulatory Support Services  
Southern California Edison Company  
1515 Walnut Grove Avenue  
Rosemead, CA 91770  
Telephone: 626-302-9741  
Email: [wayne.allen@sce.com](mailto:wayne.allen@sce.com)

# **Attachment B**

Distribution List

**Attachment B. Distribution List**

Organization	Name	Street Address	City, State, Zip	Email
<b>Federal Government/Representatives</b>				
Federal Energy Regulatory Commission	Kimberly D. Bose, Secretary	888 First Street, N.E.	Washington, DC 20426	
Federal Energy Regulatory Commission	Frank Winchell	888 First Street, N.E.	Washington, DC 20426	frank.winchell@ferc.gov
Federal Energy Regulatory Commission	Jim Hastreiter			james.hastreiter@ferc.gov
National Marine Fisheries Service, California Central Valley Office	Maria Rea, Assistant Regional Administrator			maria.rea@noaa.gov
National Marine Fisheries Service, California Central Valley Office	Jeff McLain, Central Valley Office Division Manager			jeff.mclain@noaa.gov
Sequoia and Kings Canyon National Parks	Woody Smeck, Superintendent	47050 Generals Highway	Three Rivers, CA 93271-9700	woody_smeck@nps.gov
Sequoia and Kings Canyon National Parks	Nancy Hendricks, Chief of Planning and Compliance	47050 Generals Highway	Three Rivers, CA 93271-9700	nancy_hendricks@nps.gov
Sequoia and Kings Canyon National Parks	Ginger Bradshaw	47050 Generals Highway	Three Rivers, CA 93271-9700	ginger_bradshaw@nps.gov
Sequoia and Kings Canyon National Parks	Jane Allen	47050 Generals Highway	Three Rivers, CA 93271-9700	jane_allen@nps.gov
National Park Service, Hydropower Assistance Program	Stephen M. Bowes	333 Bush Street, Suite 500	San Francisco, CA 94104	stephen_bowes@nps.gov
National Park Service, Hydropower Assistance Program	Susan Rosebrough	333 Bush Street, Suite 500	San Francisco, CA 94104	susan_rosebrough@nps.gov
National Park Service, Hydropower Assistance Program	Barbara Rice, Program Manager	333 Bush Street, Suite 500	San Francisco, CA 94104	barbara_rice@nps.gov
U.S. Army Corps of Engineers, Planning Division	Sacramento District	1325 J Street, Room 1513	Sacramento, CA 95814	spk-pao@usace.army.mil



<b>Organization</b>	<b>Name</b>	<b>Street Address</b>	<b>City, State, Zip</b>	<b>Email</b>
U.S. Bureau of Indian Affairs , Pacific Region	Amy Dutschke Regional Director	2800 Cottage Way	Sacramento, CA 95825	amy.dutschke@bia.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Christina Castellon, Realty Specialist (PM)	3801 Pegasus Drive	Bakersfield, CA 93308	ccastellon@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Amy Girado, Archaeologist	3801 Pegasus Drive	Bakersfield, CA 93308	agirado@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Maria Soto, Realty Specialist	3801 Pegasus Drive	Bakersfield, CA 93308	msoto@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Carly Summers, Natural Resource Specialist Supervisor/Planning	3801 Pegasus Drive	Bakersfield, CA 93308	csummers@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Tamara Whitley, Archaeologist	3801 Pegasus Drive	Bakersfield, CA 93308	twhitley@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Brien Chartier, Recreation	3801 Pegasus Drive	Bakersfield, CA 93308	bchartie@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Romina Copado, GIS	3801 Pegasus Drive	Bakersfield, CA 93308	rcopado@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Alison Lipscomb, Realty Specialist	3801 Pegasus Drive	Bakersfield, CA 93308	alipscomb@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Karen Doran, Range Specialist	3801 Pegasus Drive	Bakersfield, CA 93308	kdoran@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	Sarah Bullock, Wildlife Biologist	3801 Pegasus Drive	Bakersfield, CA 93308	sbullock@blm.gov
U.S. Bureau of Land Management, Bakersfield Field Office	CJ Clara Hurley, Wildlife Biologist	3801 Pegasus Drive	Bakersfield, CA 93308	cchase@blm.gov
U.S. Bureau of Reclamation , South-Central California Area Office	Michael Jackson, Area Manager	1243 N Street	Fresno, CA 93721-1813	mjackson@usbr.gov
U.S. Fish and Wildlife Service , Pacific Southwest Region	Daniel Welsh	2800 Cottage Way, W- 2605	Sacramento, CA 95825	Daniel_Welsh@fws.gov

Organization	Name	Street Address	City, State, Zip	Email
U.S. Fish and Wildlife Service , Pacific Southwest Region	Alison Willy	2800 Cottage Way, W-2605	Sacramento, CA 95825	alison_willy@fws.gov
U.S. Fish and Wildlife Service , Pacific Southwest Region	Richard Kuyper	2800 Cottage Way, W-2605	Sacramento, CA 95825	richard_kuyper@fws.gov
U.S. Geological Survey , Placer Hall, Room 200	Denis O'Halloran, FERC Coordinator	6000 J Street	Sacramento, CA 95819	dohall@usgs.gov
U.S. House of Representatives, 21st Congressional District of California	TJ Cox, Congressman	2700 M. Street, Suite 250B	Bakersfield, CA 93301	
U.S. House of Representatives, 22nd Congressional District of California	Devin Nunes, Congressman	113 North Church Street, Suite 208	Visalia, CA 93291	
U.S. House of Representatives, 23rd Congressional District of California	Kevin McCarthy, Congressman	4100 Empire Drive, Suite 150	Bakersfield, CA 93309	
U.S. Senate	Kamala Harris	501 I Street, Suite 7-800	Sacramento, CA 95814	
U.S. Senate	Dianne Feinstein	One Post Street, Suite 2450	San Francisco, CA 94104	
<b>State Government/Representatives</b>				
California Department of Fish and Wildlife , Central Region	Julie Vance	1234 E. Shaw Avenue	Fresno, CA 93710	julie.vance@wildlife.ca.gov
California Department of Fish and Wildlife , Central Region	Abimael León	1130 E. Shaw Avenue	Fresno, CA 93710	abimael.leon@wildlife.ca.gov
Office of Historic Preservation, SHPO	Julianne Polanco	1725 23rd Street, Suite 100	Sacramento, CA 95816	julianne.polanco@parks.ca.gov
Office of Historic Preservation, SHPO	Anmarie Medin	1725 23rd Street, Suite 100	Sacramento, CA 95816	anmarie.medin@parks.ca.gov
California Public Utilities Commission		505 Van Ness Avenue	San Francisco, CA 94102-3214	
California State Senate, 16th Senate District	Shannon Grove, Senator	State Capitol, Room 3048	Sacramento, CA 95814-4900	

Organization	Name	Street Address	City, State, Zip	Email
California State Senate, 14th Senate District	Melissa Hurtado, Senator	State Capitol, Room 2054	Sacramento, CA 95814-4900	
Central Valley Regional Water Quality Control Board, Fresno Branch	Manager	1685 E Street	Fresno, CA 93706-2007	
Native American Heritage Commission		1550 Harbor Boulevard, Suite 100	West Sacramento, CA 95691	nahc@nahc.ca.gov
State Water Resources Control Board , Division of Water Rights	Jeff Wetzel	1001 I Street, 14th Floor	Sacramento, CA 95814	jeff.wetzel@waterboards.ca.gov
State Water Resources Control Board , Division of Water Rights	Karmina Padgett	1001 I Street, 14th Floor	Sacramento, CA 95814	karmina.padgett@waterboards.ca.gov
State Water Resources Control Board , Division of Water Rights	Chase Hildeburn	1001 I Street, 14th Floor	Sacramento, CA 95814	chase.hildeburn@waterboards.ca.gov
State Water Resources Control Board , Water Quality Certification Program	Ann Marie Ore, Environmental Program Manager	1001 I Street, 14th Floor	Sacramento, CA 95814	annmarie.ore@waterboards.ca.gov
State Water Resources Control Board , Division of Water Rights	Erin Ragazzi	1001 I Street, 14th Floor	Sacramento, CA 95814	erin.ragazzi@waterboards.ca.gov
<b>Local Government</b>				
Tulare County, Planning Branch	Michael Washam, Assistant Director	5961 South Mooney Blvd.	Visalia, CA 93277	mwasham@co.tulare.ca.us
Tulare County	Clerk-Recorder	221 South Mooney Blvd., Room 103	Visalia, CA 93291	
Tulare County Library, Main Branch	County Librarian	200 W. Oak Avenue	Visalia, CA 93291	
Tulare County Water Commission, County of Tulare	Denise England, Water Policy Manager	2800 W. Burrell Avenue	Visalia, CA 93291	dengland@co.tulare.ca.us
Tulare County, Environmental Planning Division	Jessica Willis, Environmental Planner	5961 South Mooney Blvd.	Visalia, CA 93277	jwillis@co.tulare.ca.us
Tulare County, Environmental Planning Division	Hector Guerra,	5961 South Mooney Blvd.	Visalia, CA 93277	hguerra@co.tulare.ca.us

Organization	Name	Street Address	City, State, Zip	Email
City of Tulare, Planning Department	Josh McDonnell, Community & Economic Development Director	411 East Kern Avenue	Tulare, CA 93274	jmcdonnell@tulare.ca.gov
City of Visalia, Planning Department	Paul Bernal, City Planner	315 E. Acequia Avenue	Visalia, CA 93291	paul.bernal@visalia.city
<b>Public Agency</b>				
Exeter Irrigation District	District Manager	150 S. E Street	Exeter, CA 93221	
Ivanhoe Irrigation District	District Manager	33777 Road 164	Visalia, CA 93292	
Kaweah Delta Water Conservation District	Mark Larsen, General Manager	2975 N. Farmersville Blvd.	Farmersville, CA 93223	mlarsen@kdwcd.com
Lindmore Irrigation District	Michael Hagman, District Manager	PO Box 908	Lindsay, CA 93247	mhagman@lindmoreid.com
Tulare Irrigation District	J. Paul Hendrix, General Manager	6826 Avenue 240	Tulare, CA 93274	jph@tulareid.org
Kaweah River Power Authority	Terry Stafford	2975 N. Farmersville Blvd.	Farmersville, CA 93223	tstafford@kdwcd.com
<b>Non-Governmental Organization</b>				
American Whitewater	Dave Steindorf, California Stewardship Director	4 Baroni Drive	Chico, CA 95928-4314	dave@americanwhitewater.org
American Whitewater	Theresa Simsiman			theresa@americanwhitewater.org
California Sportfishing Protection Alliance	Christopher Shutes, FERC Projects Director			cshutes@calsport.org
CalTrout – Sierra Headwaters Region	Eric Huber, Director	PO Box 3442	Mammoth Lakes, CA 93546	ehuber@caltrout.org
CalTrout – Central California Region	Jacob Katz, Director	930 Shiloh Rd., Bldg. 40-#6	Windsor, CA 95492	jkatz@caltrout.org
Friends of the River	Eric Wesselman, Executive Director	1418 20th Street, Suite 100	Sacramento, CA 95811	eric@friendsoftheriver.org

Organization	Name	Street Address	City, State, Zip	Email
Trout Unlimited	James Polfer, President, Central Sierra Chapter			jpolver@hotmail.com
Trout Unlimited	John Sikora, Council Chairman	4005 Manzanita Avenue, Suite 6, Box 302	Carmichael, CA 95608	JESIKORA@SBCGLOBAL.N ET
Trout Unlimited	Walt Bentley			bentley46@earthlink.net
Advisory Council on Historic Preservation	John Eddins	401 F Street, NW, Suite 308	Washington, DC 20001-2637	jeddins@achp.gov
Tulare County Historical Society	Mike Chrisman, President	PO Box 295	Visalia, CA 93279	
Three Rivers Historical Museum	Thomas Marshall, President	PO Box 162	Three Rivers, CA 93271	history@3rmuseum.org
<b>Native American Tribes</b>				
Tule River Indian Tribe	Neil Peyron, Chairperson	PO Box 589	Porterville, CA 93258	Neil.Peyron@tulerivertribe- nsn.gov
Santa Rosa Indian Community of the Santa Rosa Rancheria	Bianca Arias	PO Box 8	Lemoore, CA 93245	barias@tachi-yokut-nsn.gov
Tule River Indian Tribe	Kerri Vera, Environmental Coordinator	PO Box 589	Porterville, CA 93258	tuleriverenv@yahoo.com
Tule River Indian Tribe	Joseph Garfield, Environmental Technician	PO Box 589	Porterville, CA 93258	joseph.garfield@yahoo.com
Tule River Indian Tribe	Zack Jaroko	PO Box 589	Porterville, CA 93258	
Wukchumni Tribal Council	Hector Lalo Franco, Director Cultural Resources Program	4737 West Concord Avenue	Visalia, CA 93277	hlfranco54@gmail.com
Tachi-Yokut Tribe	Greg Cuara, Cultural Specialist I	PO Box 8	Lemoore, CA 93245	gcuara@tachi-yokut-nsn.gov
Tachi-Yokut Tribe	Shana Powers	PO Box 8	Lemoore, CA 93245	spowers@tachi-yokut- nsn.gov

Organization	Name	Street Address	City, State, Zip	Email
Dunlap Band of Mono-Indians - Historical Preservation Society	Mandy Marine, President	PO Box 18	Dunlap, CA 93621	mandy_marine@hotmail.com
Northern Band of Mono Yokuts	Delaine Bill, Chairperson	PO Box 234	Dunlap, CA 93621	
Cold Springs Tribe	Carol Bill, Chair	PO Box 209	Tollhouse, CA 93667	csrchair@netptc.net
Cold Springs Tribe	Blossom Hunter, Tribal Administrator	PO Box 209	Tollhouse, CA 93667	csradmin1@netptc.net
Cold Springs Tribe	Eric Smith, Environmental Director	PO Box 209	Tollhouse, CA 93667	csrepa@netptc.net
California Indian Basketweavers Association	Linda Navarro , Executive Director	428 Main Street	Woodland, CA 95695	ciba@ciba.org
Mono Elder	Keith Turner	PO Box 306	Auberry, CA 93602	keithturner1950@yahoo.com
North Fork Mono Tribe	Ron Goode, Chairman	13396 Tollhouse Road	Clovis, CA 93619	rwgoode911@hotmail.com
Kern Valley Indian Community	Julie Turner , Secretary	PO Box 1010	Lake Isabella, CA 93240	administrator@kawaiisu.org
Kern Valley Indian Community	Robert Robinson , Chairperson	PO Box 1010	Lake Isabella, CA 93240	bbutterbredt@gmail.com
Tubatulabas of Kern Valley	Robert L. Gomez Jr. , Tribal Chairperson	PO Box 226	Lake Isabella, CA 93240	rgomez@tubatulabal.org
Wuksache Indian Tribe / Eshom Valley Band	Kenneth Woodrow , Chairperson	1179 Rock Haven Ct.	Salinas, CA 93906	kwood8934@aol.com
Picayune Rancheria of Chukchansi Indians	Jennifer Ruiz, Chairwoman	PO Box 2226	Oakhurst, CA 93644	jrui@chukchansitribe.net
Wukchumni Tribal Council	Darlene Franco, Chairwoman	4737 West Concord Avenue	Visalia, CA 93277	
Dunlap Band of Mono Indians	Dirk Charley, Tribal Secretary	5509 East Mckenzie Avenue	Fresno, CA 93727	dcharley2016@gmail.com
Dunlap Band of Mono Indians	Benjamin Charley, Jr. , Tribal Chairman	470 Winuba Lane	Bishop, CA 93621	charley07@verizon.net

Organization	Name	Street Address	City, State, Zip	Email
<b>Public</b>				
	Rene Roederer	46468 Mineral King Road	Three Rivers, CA 93271	reneeroederer@gmail.com
Bear Ranch	Daniel Armstrong	616 South Irena Avenue	Redondo Beach, CA 90277	davidarmstrong43@gmail.com
Bear Ranch	Philip Armstrong	1723 Beaver Dam Road	Vilas, NC 28692	
	Autumn Davidson	46262 Mineral King Road	Three Rivers, CA 93271	clarion@value.net
	William Haxton	PO Box 811	Three Rivers, CA 93271	mountainviewrealty@sbcglobal.net
	Anne Haxton	PO Box 811	Three Rivers, CA 93271	mountainviewrealty@sbcglobal.net
	David Dunham	44024 Sierra Drive	Three Rivers, CA 93271	2shiners@sbcglobal.net
	Mike Hauber	PO Box 1116	Three Rivers, CA 93271	m.d.hauber@gmail.com
	Francis Kunz	44229 Kaweah River Drive	Three Rivers, CA 93271	
	Joy Kunz	222 E. Constance Avenue	Santa Barbara, CA 93105	
	D. Eleanor Newman	PO Box 66	Three Rivers, CA 93271	redbudacres28@aol.com
	Dana Sun	PO Box 276, 44229-C Kaweah River Drive	Three Rivers, CA 93271	redbudacres28@aol.com
St. Anthony's Retreat	Mike Hand	43816 Sierra Drive	Three Rivers, CA 93271	mike@stanthonyretreat.org
	Betty Wood	PO Box 83	Three Rivers, CA 93271	brwood6@sbcglobal.net
	Ben Peña	43815 Dinley Drive	Three Rivers, CA 93271	penarb@sbcglobal.net

Organization	Name	Street Address	City, State, Zip	Email
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	John Gibler	43459 Sierra Drive	Three Rivers, CA 93271	john.gibler@yahoo.com
	Rudy Nesmith	43429-A Sierra Drive	Three Rivers, CA 93271	rudy@viewpt.com
	Dan Dellinges	43429 Sierra Drive	Three Rivers, CA 93271	
	Coleen Bath	43429 Sierra Drive	Three Rivers, CA 93271	monosail@earthlink.net
Lake Elowin Resort	Milton Melkonian	43840 Dinely Drive	Three Rivers, CA 93271	catchall@lake-elowin.com
	Jonathan Peltzer	PO Box 454, 44422 Sierra Drive	Three Rivers, CA 93271	peltzerj@asme.org
	Holly Peltzer	PO Box 454, 44422 Sierra Drive	Three Rivers, CA 93271	drholly@hughes.net
	Michael Kunz	3244 East ++Kerckhoff	Fresno, CA 93702	mkunz@fresno.edu
	Uwe Reimer	PO Box 1179	Three Rivers, CA 93271	bedbug1@sbcglobal.net
	Nancy Reimer	PO Box 1179	Three Rivers, CA 93271	bedbug1@sbcglobal.net
	George Tomi	PO Box 572, 43875 Dinely Drive	Three Rivers, CA 93271	ctomi3r@gmail.com
	Christy Tomi	PO Box 572, 43875 Dinely Drive	Three Rivers, CA 93271	ctomi3r@gmail.com
Three Rivers Hideaway	Dave Hammond	43365 Sierra Drive	Three Rivers, CA 93271	info@threerivershideaway.com



Organization	Name	Street Address	City, State, Zip	Email
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	Tom Baker	46262 Mineral King Road	Three Rivers, CA 93271	clarion@value.net
	Eddie and Jerry Belanger	PO Box 177, 43715 Dinely Drive	Three Rivers, CA 93271	jbelanger@icc-stravinski.com
	Sue Shanley	44609 Dinely Drive	Three Rivers, CA 93271	-
	WW Boating TWG			info@sequoiaadventures.com
	WW Boating TWG			raft3rivers@gmail.com
	WW Boating TWG			raftgoodtimes@gmail.com
	WW Boating TWG			rivers@aorrafting.com
	WW Boating TWG			evanmoore32@yahoo.com
	WW Boating TWG			chasewhitewater@gmail.com
	WW Boating TWG			christulley@gmail.com
	WW Boating TWG			bill.pooley@gmail.com
	WW Boating TWG			eric@kernriverbrewing.com
	WW Boating TWG			d_mcquoid@hotmail.com
	WW Boating TWG			paul_martzen@yahoo.com
	WW Boating TWG			trkayaker@ymail.com

Organization	Name	Street Address	City, State, Zip	Email
	WW Boating TWG			paddle@sierrasouth.com
	WW Boating TWG			chris.tulley@gmail.com
<b>Private</b>				
Sequoia Riverlands Trust	Soapy Mulholland, President and CEO	427 S. Garden Street	Visalia, CA 93277	soapy@sequoiariverlands.org
California Water Service, Visalia District	District Manager	216 North Valley Oaks Drive	Visalia, CA 93292	
Consolidated Peoples Ditch Company	James P Silva, Jr	PO Box 366	Farmersville, CA 93223-0366	
Hurley and Laird	Russell Hurley	403 N Floral Street	Visalia, CA 93291	
Minasian, Spruance, Baber, Meith, Soares & Sexton, LLP	Jeffrey Meith, Partner	1681 Bird Street	Oroville, CA 95965	
Three Rivers Village Foundation	Tom Sparks	45001 Sierra Drive	Three Rivers, CA 93271	tom.sparks@live.com
The Kaweah Commonwealth	John Elliott	PO Box 806	Three Rivers, CA 93271	tkcplanner@gmail.com

Organization	Name	Street Address	City, State, Zip	Email
<b>SCE Staff</b>				
Southern California Edison	Dan Keverline	15171 Sierra Way	Kernville, CA 93240	keverlds@sce.com
Southern California Edison, Kaweah Hydro Headquarters Office, Kaweah 1 Powerhouse	Robert Biedermann	44511 Sierra Drive	Three Rivers, CA 93271	robert.biedermann@sce.com
Southern California Edison	Wayne Allen	1515 Walnut Grove	Rosemead, CA 91770	wayne.allen@sce.com
Southern California Edison	David Moore	1515 Walnut Grove	Rosemead, CA 91770	david.moore@sce.com
Southern California Edison	Audry Williams	1515 Walnut Grove	Rosemead, CA 91770	audry.williams@sce.com
<b>FERC SERVICE LIST</b>				
Southern California Edison	Kelly Henderson, Attorney	PO Box 800	Rosemead, CA 91770-0800	kelly.henderson@sce.com
Southern California Edison	Martin Ostendorf, Compliance Manager	PO Box 100	Big Creek, CA 93605	martin.ostendorf@sce.com
Southern California Edison	FERC Case Administrator	2244 Walnut Grove Ave.	Rosemead, CA 91770	ferccaseadmin@sce.com
Southern California Edison	Nicolas von Gersdorff, Dam Safety Engineer	1515 Walnut Grove	Rosemead, CA 91770	nicolas.von@sce.com
Southern California Edison	Sher Beard	54170 Mountain Spruce	Big Creek, CA 93605	sher.beard@sce.com
Southern California Edison	Derrick Tito			derrick.tito@sce.com

## **Attachment C**

Technical Study Report Distribution Dates

**Attachment C. Technical Study Report Distribution Dates**

Technical Study Report <sup>1</sup>	Draft TSR Distribution Date	Revised TSR Distribution Date	
		DLA: Aug 3, 2019	FLA: Dec 31, 2019
<b>Aquatic Resources</b>			
AQ 1 – Instream Flow	Aug 3, 2019 (DLA)		X
AQ 2 – Fish Population	Apr 2, 2019	X	
AQ 3 – Macroinvertebrates	Aug 3, 2019 (DLA)		X
AQ 4 – Water Temperature	Aug 3, 2019 (DLA)		X
AQ 5 – Geomorphology	Aug 3, 2019 (DLA)		X
AQ 6 – Water Quality	Apr 2, 2019	X	
AQ 7 – SS Amphibians and Aquatic Reptiles	Aug 3, 2019 (DLA)		X
AQ 8 – Fish Passage	Apr 2, 2019	X	
AQ 9 – Entrainment <sup>2</sup>	TBD		
<b>Cultural Resources<sup>3</sup></b>			
CUL 1 – Cultural, Built Environment	Jan 22, 2019	X	
CUL 1 – Cultural, Archaeology	Jan 22, 2019	X	
CUL 1 – Cultural, Ethnography	Feb 15, 2019	X	
<b>Land Resources</b>			
LAND 1 – Transportation	Jan 22, 2019	X	
LAND 2 – Aesthetic Resources	Jan 22, 2019	X	
LAND 3 – Land Use	Feb 15, 2019	X	
<b>Recreation Resources</b>			
REC 1 – Recreation Resources	Aug 3, 2019 (DLA)		X
REC 2 – Whitewater Boating	Jan 22, 2019	X	
<b>Terrestrial Resources</b>			
TERR 1 – Botanical Resources	Jan 22, 2019	X	
TERR 2 – Wildlife Resources	Jan 30, 2019	X	

1 For Draft TSRs included in the Draft License Application (DLA), comments will be addressed and the Final TSR included in the Final License Application (FLA).

2 The AQ 9 – Entrainment study is ongoing and will not be complete until after the FLA is filed with FERC. A Draft TSR will be distributed to stakeholders for review and comment in 2020 upon completion of the study.

3 To aid in clarity and ease of stakeholder review, the CUL 1 – TSR was distributed as three separate reports – Built Environment, Archaeology, and Ethnography.

# **Attachment D**

Technical Study Plan Implementation Summary

## Attachment D. Technical Study Implementation Summary as of September 30, 2019

This attachment summarizes the status of implementation of technical studies for the Kaweah Project, including activities implemented between October 1, 2018 and September 30, 2019.

Each study is categorized as follows:

- **Complete:** These studies are complete with no variances and no proposed modifications.
- **Outstanding Study Element:** These studies have outstanding administrative elements to be completed, including data distribution or reporting on specific components.
- **Variance:** These studies have a variance from the Technical Study Plan (TSP).
- **Ongoing:** These studies have elements that are ongoing (field work/consultation) that will extend beyond filing of the Final License Application (FLA) in December 2019.

Technical Study	Complete	Outstanding Study Element		Variance	Ongoing
		Data Distribution	Reporting		
AQ 1 – Instream Flow	■				
AQ 2 – Fish Population		■			
AQ 3 – Macroinvertebrates		■			
AQ 4 – Water Temperature			■		
AQ 5 – Geomorphology	■				
AQ 6 – Water Quality				■	
AQ 7 – Special-status Amphibians and Aquatic Reptiles		■			
AQ 8 – Fish Passage	■				
AQ 9 – Entrainment					■
CUL 1 – Built Environment <sup>1</sup>	■				
CUL 1 – Archaeology <sup>1</sup>					■
CUL 1 – Ethnography <sup>1</sup>					■
LAND 1 – Transportation		■			
LAND 2 – Aesthetics	■				
LAND 3 – Land Use	■				
REC 1 – Recreation	■				
REC 2 – Whitewater Boating	■				
TERR 1 – Botanical		■			
TERR 2 – Wildlife		■			

<sup>1</sup>To aid in clarity and ease of stakeholder review, the CUL 1 – TSR was distributed as three separate reports – Built Environment, Archaeology, and Ethnography.

The following sections provide additional details for each study.

### **Complete**

The following studies are complete. There are no variances to report and no proposed modifications.

- AQ 1 – Instream Flow
- AQ 5 – Geomorphology
- AQ 8 – Fish Passage
- CUL 1 – Built Environment
- LAND 2 – Aesthetic Resources
- LAND 3 – Land Use
- REC 1 – Recreation Resources
- REC 2 – Whitewater Boating

### **Outstanding Study Element – Data Distribution**

The following studies include a component to distribute data electronically to resources agencies and interested stakeholders. This data will be distributed following filing of the FLA.

- AQ 2 – Fish Population
- AQ 3 – Macroinvertebrates
- AQ 7 – Special-status Amphibians and Aquatic Reptiles
- LAND 1 – Transportation System
- TERR 1 – Botanical Resources
- TERR 2 – Wildlife Resources

### **Outstanding Study Element – Reporting**

The AQ 4 – Water Temperature Study was not completed in 2018. Additional field work to collect water temperature data at tributary inflows and in deep pools to identify potential availability of water temperature refugia for trout was conducted in August 2019. The results of this data collection will be incorporated into the Final Technical Study Report (TSR) and effects analysis included in the FLA.

### **Variance**

The AQ 6 – Water Quality Study included an approach to conduct total and fecal coliform sampling to determine if study waters meet objectives for contact recreational activities identified in the Water Quality Control Plan for the Tulare Lake Basin. The laboratory processed the coliform samples using the State Water Board’s updated total coliform and *E. coli* recreation contact criteria approach and not the fecal coliform approach outlined in the AQ 6 – Water Quality TSP. The AQ 6 – Water Quality TSR was modified to more explicitly identify how the samples were processed, *E. coli* versus fecal coliform, and include the new State Water Board total coliform and *E. coli* REC-1 criteria. While this is a variance from the TSP, using the updated criteria, the data collected indicate that there was not an issue with bacterial contamination at the study site.



## Ongoing

### **AQ 9 – Entrainment Study**

The AQ 9 – Entrainment Study is ongoing. Following the Initial Study Report Meeting, on November 15, 2018 and December 4, 2018, SCE met with stakeholders to discuss proposed modifications to the AQ 9 – Entrainment TSP. During the December 4, 2018 meeting, SCE obtained concurrence from stakeholders on the proposed modifications and the revised AQ 9 – Entrainment TSP was filed with the Federal Energy Regulatory Commission (FERC or Commission) on December 12, 2018.

The revised TSP includes four representative time periods when sampling would occur: (1) January/February (winter); (2) March/April (early spring); (3) May/June (late spring); and (4) July (summer). Following filing the revised TSP with FERC, the timing of sampling was delayed due to infrastructure and environmental concerns; unsafe weather conditions; and operating constraints. SCE was only able to complete the May/June and July sampling periods in 2019. The table below includes the proposed schedule for completion of the winter and early spring sampling.

Location	Representative Time Periods	Sampling Dates	Sampling Type	
			Drift Netting	Fyke Trapping
Kaweah No. 1 Flowline	Monitoring will be initiated once repairs are completed on Kaweah No. 1 Flowline		P	P
			P	P
			P	P
			P	P
Kaweah No. 2 Flowline	May/June 2019	May 2019	C	C
	July 2019	July 2019	C	C
	January/February 2020	TBD	P	P
	March/April 2020	TBD	P	P
Kaweah No. 3 Flowline	May/June 2019	May 2019	C	—*
	July 2019	July 2019	C	—*
	January/February 2020	TBD	P	—*
	March/April 2020	TBD	P	—*

\* Due to high risk at the Kaweah No. 3 Flowline, the revised study plan proposes to use entrainment monitoring in the Kaweah No. 1 and No. 2 flowlines to approximate entrainment in Kaweah No. 3 Flowline. The revised study plan allows for additional entrainment sampling based on consultation with agency biologists/staff.

TBD = To Be Determined; C = Complete; P = Pending

A draft report of work completed to date will be included in the FLA. A Draft Final AQ 9 – Entrainment TSR will be prepared by SCE and distributed to the Bureau of Land Management (BLM), State Water Board, and California Department of Fish and Wildlife (CDFW) for review and comment within 90 days following the completion of the entrainment sampling. A 60-day review period will be provided to the agencies. Based on the results of entrainment and/or comments received during the review process, SCE and the agencies may call a meeting to discuss the study results and associated recommendations. Within 60 days following the close of the comment period, SCE will address any comments and file the Final AQ 9 – Entrainment

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TSR report with FERC. The final report will also be distributed to agencies (BLM, State Water Board, and CDFW).

### **CUL 1 – Cultural Resources Study (Archaeology and Ethnography)**

The CUL 1 – Cultural Resources study is ongoing. A component of the CUL 1 – Cultural Resources TSP is to develop a National Register of Historic Places (NRHP) Evaluation Plan that identifies specific resources to be evaluated and the evaluation methods, and to conduct the NRHP evaluation studies for archaeological and ethnographic resources that are determined, through consultation with the Cultural Technical Working Group (TWG), to require NRHP eligibility analysis. In addition, during the May 7, 2019 Cultural TWG, FERC representative, Frank Winchell, stated that a Draft Historic Properties Management Plan (HPMP) would be necessary to plan for and guide such evaluation and the overall management of cultural resources in the Project Area of Potential Effect. Mr. Winchell added that the HPMP should be submitted as part of the FLA, even in draft form, and that the HPMP should be consulted on with TWG stakeholders (Note: development of an HPMP is not a component of the CUL 1 – Cultural Resources TSP).

SCE is preparing a Draft HPMP and Draft NRHP Evaluation Plan. SCE will distribute these documents to stakeholders for review and will conduct a TWG meeting to discuss both documents and receive comments. The Draft HPMP and NRHP Evaluation Plan will be filed with the FLA in December 2019.