

Filed Electronically

October 18, 2018

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

**Subject: 2018 Initial Study Report
Kaweah Project (FERC Project No. 298)**

Dear Secretary Bose:

Southern California Edison (SCE) is filing this Initial Study Report to provide the Federal Energy Regulatory Commission (FERC or Commission) and stakeholders with an update regarding progress made in implementing 17 Technical Study Plans (TSP) associated with the relicensing of the Kaweah Project (Project).

In accordance with 18 CFR §5.15(c)(1), SCE must file an Initial Study Report within one year of Study Plan Determination by the Commission. This report summarizes SCE's overall progress to date (through September 30, 2018) in implementing the study plan and schedule and the data collected, 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 2018 Initial 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 2018 Initial Study Report and other Kaweah Project relicensing documents can be obtained from FERC's website at <http://www.ferc.gov/docs-filing/elibrary.asp> or SCE's Kaweah Project relicensing website at <http://on.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, 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, 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, 2017.¹ 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 American Whitewater 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.

Study Implementation Progress

Study progress through September 30, 2018 is summarized in Attachment C. Attachment C is organized by TSP and describes: (1) study elements completed/data collected; (2) Technical Working Group (TWG) meeting dates and topics; (3) any technical study plan variances; (4) outstanding study elements; (5) proposed modifications; and (6) proposed new studies. With a few exceptions, all of the TSPs are progressing as outlined. Variations/modifications in schedule and methods are summarized in Attachment C and the TSP schedules are graphically depicted in Attachment D.

Study results are currently being summarized and will be shared with stakeholders in a series of Technical Study Reports (TSR) to be distributed over the next several months.

Next Steps

In accordance with 18 CFR §5.15(c)(2), SCE will convene an Initial Study Report Meeting to discuss overall progress of study plan implementation and address any stakeholder comments. Meeting details are as follows:

Date:	November 1, 2018
Time:	1:00 pm – 3:00 pm

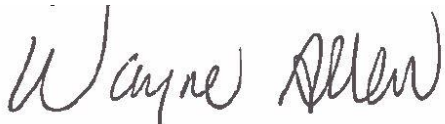
¹ The statutory deadline for filing comments on the Proposed Study Plan was August 26, 2017 which fell on a Saturday. According to 18 CFR §385.2007(a)(2), if a filing date falls on a Saturday, Sunday, or federal legal public holiday, the deadline for filing becomes the next business day.

Location:	Wyndham Visalia Pine Room 9000 W. Airport Drive Visalia, CA 93277
WebEx:	Call-in Number: (855) 225-9582 Conference ID: 8381340 Skype: https://meet.cardno.com/julie.smith/vll4w310

In accordance with 18 CFR §5.15(c)(3) through §5.15(c)(7), within 15 days following the meeting, SCE will file an Initial 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 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.

Sincerely,



Wayne P. Allen
Principal Manager

Attachments:

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

Attachment A
Certificate of Service

Certificate of Service

2018 Initial 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 18th day of October, 2018.

Wayne P. Allen
Principal Manager, Hydro Licensing and Implementation
Southern California Edison Company
1515 Walnut Grove Avenue
Rosemead, CA 91770
Telephone: 626-302-9741
Email: wayne.allen@sce.com

Attachment B

Distribution List

Attachment B. Distribution List.

Organization	Name	Street Address	City, State, Zip	Email
Federal Government/Representatives				
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	James 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
National Park Service Hydropower Assistance Program	Stephen M. Bowes	333 Bush Street, Suite 500	San Francisco, CA 94104	stephen_bowes@nps.gov
National Parks 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
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	Briana Doran Wildlife Biologist	3801 Pegasus Drive	Bakersfield, CA 93308	bdoran@blm.gov

Attachment B. Distribution List.

Organization	Name	Street Address	City, State, Zip	Email
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
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 2005	Denis O'Halloran FERC Coordinator	6000 J Street	Sacramento, CA 95819	dohall@usgs.gov
U.S. House of Representatives 21st Congressional District of California	David Valadao Congressman	101 North Irwin Street, Suite 110B	Hanford, CA 93230	
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 Senator	501 I Street, Suite 7-800	Sacramento, CA 95814	
U.S. Senate	Dianne Feinstein Senator	One Post Street, Suite 2450	San Francisco, CA 94104	
State Government/Representatives				
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
California Department of Parks and Recreation Office of Historic Preservation	Julianne Polanco State Historic Preservation Officer	1725 23rd Street, Suite 100	Sacramento, CA 95816	julianne.polanco@parks.ca.gov
California Public Utilities Commission		505 Van Ness Avenue	San Francisco, CA 94102-3214	
California State Senate 16th Senate District	Jean Fuller Senator	State Capitol, Room 4048	Sacramento, CA 95814-4900	
California State Senate 14th Senate District	Andy Vidak Senator	State Capitol, Room 3082	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

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Organization	Name	Street Address	City, State, Zip	Email
State Water Resources Control Board Water Quality Certification Program	Nathan Fisch Environmental Scientist	P.O. Box 2000	Sacramento, CA 95812	nathan.fisch@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
Office of Historic Preservation	Kathleen Forrest	1725 23rd Street, Suite 100	Sacramento, CA 95816	kathleen.forrest@parks.ca.gov
Local Government				
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
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
Public Agency				
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	P.O. 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
Non-Governmental Organization				
American Whitewater	Dave Steindorf California Stewardship Director	4 Baroni Drive	Chico, CA 95928-4314	dave@americanwhitewater.org
American Whitewater	Theresa Simsiman			theresa@americanwhitewater.org
American Whitewater	Megan Hooker			megan@americanwhitewater.org
California Sportfishing Protection Alliance	Christopher Shutes FERC Projects Director			cshutes@calsport.org

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Organization	Name	Street Address	City, State, Zip	Email
CalTrout – Sierra Headwaters Region	Eric Huber Director	P.O. 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
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.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
Native American Tribes				
Tule River Indian Tribe	Neil Peyron Chairman	P.O. Box 589	Porterville, CA 93258	Neil.Peyron@tulerivertribe-nsn.gov
Tachi-Yokut Tribe	Ruben Barrios Sr. Chairman	P.O. Box 8	Lemoore, CA 93245	rbarrios@tachi-yokut-nsn.gov
Tule River Indian Tribe	Kerri Vera Environmental Coordinator	P.O. Box 589	Porterville, CA 93258	tuleriverenv@yahoo.com
Tule River Indian Tribe	Joseph Garfield Environmental Technician	P.O. Box 589	Porterville, CA 93258	joseph.garfield@yahoo.com
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	P.O. Box 8	Lemoore, CA 93245	gcuara@tachi-yokut-nsn.gov
Dunlap Band of Mono-Indians - Historical Preservation Society	Mandy Marine President	P.O. Box 18	Dunlap, CA 93621	mandy_marine@hotmail.com
Northern Band of Mono Yokuts	Delaine Bill Chairperson	P.O. Box 234	Dunlap, CA 93621	
Cold Springs Tribe	Carol Bill Chair	P.O. Box 209	Tollhouse, CA 93667	csrchair@netptc.net
Cold Springs Tribe	Blossom Hunter Tribal Administrator	P.O. Box 209	Tollhouse, CA 93667	csradmin1@netptc.net
Cold Springs Tribe	Eric Smith Environmental Director	P.O. 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	P.O. Box 306	Auberry, CA 93602	keithturner1950@yahoo.com

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Organization	Name	Street Address	City, State, Zip	Email
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	P.O. Box 2226	Oakhurst, CA 93644	jruiz@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
Public				
	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	P. O. Box 811	Three Rivers, CA 93271	mountainviewrealty@sbcglobal.net
	Anne Haxton	P. O. Box 811	Three Rivers, CA 93271	mountainviewrealty@sbcglobal.net
	David Dunham	44024 Sierra Drive	Three Rivers, CA 93271	2shiners@sbcglobal.net
	Mike Hauber	P. O. 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	P.O. Box 66	Three Rivers, CA 93271	redbudacres28@aol.com
	Dana Sun	P.O. Box 276 44229-C Kaweah River Drive	Three Rivers, CA 93271	redbudacres28@aol.com

Attachment B. Distribution List.

Organization	Name	Street Address	City, State, Zip	Email
St. Anthony's Retreat	Mike Hand	43816 Sierra Drive	Three Rivers, CA 93271	mike@stanthonyretreat.org
	Betty Wood	P.O. Box 83	Three Rivers, CA 93271	brwood6@sbcglobal.net
	Ben Peña	43815 Dinley Drive	Three Rivers, CA 93271	penarb@sbcglobal.net
	Ginger Curtis	44044 Dinely Drive	Three Rivers, CA 93271	ginger.curtis@att.net
	Robert Ruehling	44044 Dinely Drive	Three Rivers, CA 93271	ruehling@att.net
	Doug Hammer	44751 Dinely Drive	Three Rivers, CA 93271	hhp682@gmail.com
	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	P.O. Box 454 44422 Sierra Drive	Three Rivers, CA 93271	peltzerj@asme.org
	Holly Peltzer	P.O. 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	P.O. Box 1179	Three Rivers, CA 93271	bedbug1@sbcglobal.net
	Nancy Reimer	P.O. Box 1179	Three Rivers, CA 93271	bedbug1@sbcglobal.net
	George Tomi	P.O. Box 572 43875 Dinely Drive	Three Rivers, CA 93271	ctomi3r@gmail.com
	Christy Tomi	P.O. 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
	Paul Doose	625 Pier Avenue	Santa Monica, CA 90405	pauldoose@earthlink.net
	Tom Baker	46262 Mineral King Road	Three Rivers, CA 93271	clarion@value.net

Attachment B. Distribution List.

Organization	Name	Street Address	City, State, Zip	Email
	Eddie and Jerry Belanger	P.O. Box 177 43715 Dinely Drive	Three Rivers, CA 93271	jbelanger@icc-stravinski.com
	Sue Shanley	44609 Dinely Drive	Three Rivers, CA 93271	
Private				
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,	P.O. 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	P.O. Box 806	Three Rivers, CA 93271	tkcplanner@gmail.com
FERC SERVICE LIST				
Southern California Edison	Kelly Henderson Attorney	P.O. Box 800	Rosemead, CA 91770-0800	kelly.henderson@sce.com
California Department of Water Resources Office of Chief Counsel	Cathy Crothers	P.O. Box 942836	Sacramento, CA 94236-0001	crothers@water.ca.gov
Southern California Edison	Martin Ostendorf Compliance Manager	P.O. 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 Plan Implementation Summary

Attachment C. Technical Study Plan Implementation Summary as of September 30, 2018.

Technical Study Plan	Study Elements Completed / Data Collected	Work Group Update	Technical Study Plan Variances	Outstanding Study Elements (Data analysis and reporting schedules are shown on the implementation schedules provided in Attachment D)	Modifications to Ongoing Studies	Proposed New Studies
Aquatic Resources						
AQ 1 – Instream Flow	<p>Study Site Selection</p> <ul style="list-style-type: none"> Selected instream flow modeling sites and transects in consultation with the Aquatic Technical Working Group and in consideration of other relicensing studies. <p>Data Collection</p> <ul style="list-style-type: none"> Conducted channel habitat mapping/reach stratification, river segments, and site selection. Selected habitat units to be modeled in the three reaches. Installed transect locator pins to prepare sites for data collection. Selected reference sites outside the study area (above Kaweah No. 3 Powerhouse; upstream of Kaweah No. 1 Diversion; and below Kaweah No. 2 Powerhouse). Collected data for instream flow modeling (topography, water surface elevations, velocities, substrate, and cover) during high/high-, high-, mid-, and low-flow surveys at 61 transects in 3 reaches. Data collected on instream flow transects will serve as hydraulic data for riparian transects. Collected data on the 3 reference reach sites (topography, water surface elevations, velocities, substrate, and cover) during high/high-, high-, mid-, and low-flow surveys. Completed a riparian survey of all instream flow sites and reference reach sites. Instream flow transects and reference reach transects will be used for geomorphic transects. 	<ul style="list-style-type: none"> March 26, 2018: Conducted Aquatic Resources Technical Working Group to select instream flow modeling sites and transects. June 8, 2018: Conducted Aquatic Resources Technical Working Group to select study sites and specific habitat units and transects to model; obtain concurrence on cross-section placement within mesohabitat units; and select location and lengths of reach study sites. June 25, 2018: Conducted site visit with interested agencies and Aquatic Technical Working Group participants. 	<ul style="list-style-type: none"> None 	<p>Target Species and/or Guilds</p> <ul style="list-style-type: none"> Prepare a species distribution map for fish, special-status amphibians and reptiles, and riparian resources within the bypass river segments. Develop a life stage periodicity chart for aquatic species and riparian vegetation present in each study reach. Select species and life stages (and/or guilds) used for instream flow habitat modeling in collaboration with interested resource agencies. <p>Habitat Suitability Criteria</p> <ul style="list-style-type: none"> Confirm that HSC developed for the relicensing of Placer County Water Agency's Middle Fork Project can be used for Kaweah Project habitat modeling. <p>Hydrodynamics Modeling</p> <ul style="list-style-type: none"> Complete hydrodynamics modeling. Habitat Modeling Complete habitat modeling. <p>Technical Working Group</p> <ul style="list-style-type: none"> Conduct a Technical Working Group meeting to review field studies and select habitat suitability criteria, periodicity charts, and habitat modeling methods. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 1 – TSR. Distribute Draft AQ 1 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 1 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
AQ 2 – Fish Population	<p>Study Site Selection</p> <ul style="list-style-type: none"> Selected fish population sampling sites in consultation with the Aquatic Technical Working Group. <p>Special-Purpose Qualitative Sampling</p> <ul style="list-style-type: none"> Conducted two of three qualitative surveys for fry emergence in the vicinity of Project diversion (6 sites) (June and July). <ul style="list-style-type: none"> Kaweah River upstream/downstream of Kaweah No. 2 Diversion East Fork Kaweah River upstream/downstream of the Kaweah No. 1 Diversion Middle Fork Kaweah River upstream of Middle Fork Diversion Marble Fork Kaweah River upstream of Marble Fork Diversion 	<ul style="list-style-type: none"> March 26, 2018: Conducted Aquatic Resources Technical Working Group to select fish population sampling sites. 	<p>Survey Timing</p> <ul style="list-style-type: none"> Due to delays in acquisition of a scientific collection permit, the early May fry emergence sampling was not able to be performed. SCE will analyze results of the June/July sampling and consult with interested agencies and Aquatic Technical Working Group participants to make a determination on whether a third sampling is necessary. 	<p>River Sampling</p> <ul style="list-style-type: none"> Conduct quantitative river sampling (electrofishing and/or snorkeling) at 8 sites (October). <p>Special-Purpose Qualitative Sampling</p> <ul style="list-style-type: none"> Determine need to conduct third fry emergence sampling. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 2 – TSR. Distribute Draft AQ 2 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 2 – TSR. <p>Data Distribution</p> <ul style="list-style-type: none"> Provide an electronic database of fish sampling data to the BLM, resource agencies, and interested stakeholders. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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Technical Study Plan	Study Elements Completed / Data Collected	Work Group Update	Technical Study Plan Variances	Outstanding Study Elements (Data analysis and reporting schedules are shown on the implementation schedules provided in Attachment D)	Modifications to Ongoing Studies	Proposed New Studies
AQ 3 – Macroinvertebrates	<p>Study Site Selection</p> <ul style="list-style-type: none"> Selected macroinvertebrate sampling sites in consultation with the Aquatic Technical Working Group. <p>Macroinvertebrate Drift Sampling for Input to Bioenergetics Analysis</p> <ul style="list-style-type: none"> Collected the first of two drift samples at 8 sites (August). Submitted macroinvertebrate samples to the laboratory for identification. <p>Benthic Macroinvertebrate Sampling for General Habitat Conditions</p> <ul style="list-style-type: none"> Collected Surface Water Ambient Monitoring Program (SWAMP) benthic samples and inventory data at 8 sites (August). Submitted benthic macroinvertebrate samples to the laboratory for identification. 	<ul style="list-style-type: none"> March 26, 2018: Conducted Aquatic Resources Technical Working Group to select macroinvertebrate sampling sites. 	<p>Report Distribution</p> <ul style="list-style-type: none"> Distribution of the Draft AQ 3 – TSR to stakeholders for review has been delayed to allow additional time for laboratory results to be returned and analysis of data. The updated schedule is provided in Attachment D. 	<p>Macroinvertebrate Drift Sampling for Input to Bioenergetics Analysis</p> <ul style="list-style-type: none"> Collect second drift samples at 8 sites (October). <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 3 – TSR. Distribute Draft AQ 3 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 3 – TSR. <p>Data Distribution</p> <ul style="list-style-type: none"> Provide an electronic database of drift and benthic invertebrate data to BLM, resource agencies, and interested stakeholders. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
AQ 4 – Water Temperature	<p>General Modeling</p> <ul style="list-style-type: none"> Collected water temperature and meteorological data (2018). 		<p>Report Distribution</p> <ul style="list-style-type: none"> Distribution of the Draft AQ 4 – TSR to stakeholders for review has been delayed to allow additional time for data collection as a result of temperature logger malfunction and/or vandalism. The updated schedule is provided in Attachment D. 	<p>General Modeling</p> <ul style="list-style-type: none"> Continue to collect water temperature and meteorological data. Establish a Water Temperature Modeling Group. Summarize water temperature and meteorological data collected as part of SCE's early data collect (2016). Select and develop appropriate river water temperature models. Collect and develop model inputs (i.e., channel geometry, solar shading data, meteorological data, hydrology data, and boundary condition flow and water temperature data for the modeled reaches). Calibrate and validate the hydrodynamics and heat budget portions of the model(s). Characterize modeled water temperatures for existing and alternative flow conditions. <p>Climate Change</p> <ul style="list-style-type: none"> Consider predictions of changes in air temperature resulting from global warming in 2 or 3 of the model runs. <p>Cold Water Refugia</p> <ul style="list-style-type: none"> Collect water temperature data at tributary inflows and in deep pools to identify potential availability of water temperature refugia for trout. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 4 – TSR. Distribute Draft AQ 4 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 4 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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AQ 5 – Geomorphology	<p>Study Site Selection</p> <ul style="list-style-type: none"> Selected geomorphic and riparian quantitative transects in consultation with the Aquatic Technical Working Group. <p>Sediment Conditions in Bypass Reaches</p> <ul style="list-style-type: none"> Collected 32 bulk spawning gravel samples at 8 sites to determine particle size composition and fine sediment content. <p>Sediment Capture in Project Diversions</p> <ul style="list-style-type: none"> Collected sub-surface bulk samples at Project diversions to determine particle size composition. <p>Identify Sources of Sediment and Document Project-Related Erosion</p> <ul style="list-style-type: none"> Conducted aerial reconnaissance of Project-related erosion. 	<ul style="list-style-type: none"> June 8, 2018: Conducted Aquatic Resources Technical Working Group to select geomorphic and riparian quantitative transects. 	<p>Survey Timing</p> <ul style="list-style-type: none"> The AQ 5 – TSP identified timing for conducting the sediment survey and hydrology analysis from November 2017 to August 2018. Additional time (through October 2018) is needed to complete surveys and analysis. The updated schedule is provided in Attachment D. 	<p>Sediment Conditions in Bypass Reaches</p> <ul style="list-style-type: none"> Conduct quantitative visual estimates of residual fine sediment (V*). Analyze and summarize particle size composition of bulk spawning gravels collected. Compare particle size compositions and fine sediment content to standards from the scientific literature. <p>Sediment Capture in Project Diversions</p> <ul style="list-style-type: none"> Summarize existing sediment management conducted at Project diversions. <p>Identify Flows Necessary to Maintain Geomorphic Processes in Bypass River Reaches</p> <ul style="list-style-type: none"> Compare impaired and unimpaired hydraulic regimes in bypass river reaches. Identify initiation of sediment transport flows at the geomorphic and riparian quantitative transects and instream flow transects using the hydraulic models developed for the AQ 1 – TSP. <p>Identify Sources of Sediment and Document Project-Related Erosion</p> <ul style="list-style-type: none"> Document and map the location and relative abundance of sediment recruitment to channels from hillslope mass-wasting and bank erosion processes in the bypass river reaches. Map historic and/or ongoing erosion resulting from spills at Project forebays, existing canal and flume releases, or historic flume failures. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 5 – TSR. Distribute Draft AQ 5 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 5 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
AQ 6 – Water Quality	<p>In-situ Field Measurements and General Water Quality Sampling</p> <ul style="list-style-type: none"> Collected in-situ and general water quality measurements at 16 sites in spring (May) and fall (August). <p>Coliform Sampling</p> <ul style="list-style-type: none"> Collected fecal coliform samples immediately above and below the river access area near the Kaweah No. 2 Powerhouse (Edison Beach) five times in July. <p>Laboratory Analysis and Reporting</p> <ul style="list-style-type: none"> Provided water quality samples to State-certified laboratories approved by the State Water Resources Control Board for chemical analyses. 		<ul style="list-style-type: none"> None 	<p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 6 – TSR. Distribute Draft AQ 6 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 6 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

Attachment C. Technical Study Plan Implementation Summary as of September 30, 2018.

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AQ 7 – Special-Status Amphibians and Aquatic Reptiles	<p>Study Site Selection</p> <ul style="list-style-type: none"> Selected foothill yellow-legged frog modeling sites in consultation with the Aquatic Technical Working Group. <p>Foothill Yellow-Legged Frog (FYLF)</p> <ul style="list-style-type: none"> Identified and mapped potential FYLF breeding and rearing habitat in the study area. Completed a habitat characterization of the study sites and comparison sites and developed GIS map of potential FYLF habitat. Identified and mapped known occurrences of FYLF within the study area. Conducted three quantitative surveys at 8 sites: one survey in April and one survey in May for the detection of eggs and early tadpoles; and one survey in September to detect older tadpoles and young-of-the-year. Conducted qualitative surveys once during breeding season and once during the fall to detect young-of-the-year. <p>Western Pond Turtle (WPT)</p> <ul style="list-style-type: none"> Identified and mapped known occurrences of WPT within the study area. Recorded sightings of WPT during implementation of aquatic technical studies. Developed a GIS map of potential WPT nesting habitat locations in the study area. Conducted a field reconnaissance survey of potential nesting locations. 	<ul style="list-style-type: none"> March 26, 2018: Conducted Aquatic Resources Technical Working Group to select FYLF modeling sites. 	<p>Report Distribution</p> <ul style="list-style-type: none"> Distribution of the Draft AQ 7 – TSR to stakeholders for review has been delayed to allow additional time for data analysis and modeling. The updated schedule is provided in Attachment D. 	<p>Foothill Yellow-Legged Frog (FYLF)</p> <ul style="list-style-type: none"> Develop life stage periodicity chart for FYLF that identifies the season of the year when each life stage is likely to be present within the study area. Evaluate habitat suitability for FYLF egg masses and tadpoles under alternative flow regimes. Evaluate output from water temperature modeling and compare changes in average, maximum, and minimum daily temperatures in FYLF breeding and rearing habitat between alternative flow regimes. <p>Western Pond Turtle (WPT)</p> <ul style="list-style-type: none"> Evaluate output from water temperature modeling and compare changes in water temperature (average, maximum, and minimum) near potential WPT nesting habitats between unimpaired and impaired flow regimes. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 7 – TSR. Distribute Draft AQ 7 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 7 – TSR. Prepare and submit California Native Species Field Survey Forms for all FYLF and WPT recorded to California Natural Diversity Database (CNDDDB). <p>Data Distribution</p> <ul style="list-style-type: none"> Provide an electronic database of FYLF and WPT sampling data to BLM, resource agencies, and interested stakeholders. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
AQ 8 – Fish Passage	<ul style="list-style-type: none"> None 		<ul style="list-style-type: none"> None 	<p>Data Collection</p> <ul style="list-style-type: none"> Identify and classify potential fish passage barriers in bypass river reaches. Conduct field surveys (November). Evaluate fish passage at the potential Project-related fish barriers during the base-flow (low-flow) period. In collaboration with resource agencies, identify Project-related barriers, if any, which require hydrodynamic modeling to assess fish passage over a range of flows. Collect hydrodynamics data, if necessary. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 8 – TSR. Distribute Draft AQ 8 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 8 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

Attachment C. Technical Study Plan Implementation Summary as of September 30, 2018.

Technical Study Plan	Study Elements Completed / Data Collected	Work Group Update	Technical Study Plan Variances	Outstanding Study Elements (Data analysis and reporting schedules are shown on the implementation schedules provided in Attachment D)	Modifications to Ongoing Studies	Proposed New Studies
AQ 9 – Entrainment	<p>Study Sampling Periods</p> <ul style="list-style-type: none"> Selected representative sampling periods with the Aquatic Technical Working Group. 	<ul style="list-style-type: none"> June 8, 2018: Conducted Aquatic Resources Technical Working Group to identify representative sampling periods. 	<p>Study Approach Refinement</p> <ul style="list-style-type: none"> Initial entrainment sampling was conducted in Kaweah Nos. 2 and 3 flowlines on June 19-20, 2018. Sampling in Kaweah No. 3 Flowline resulted in overtopping and undermining of the flowline upstream of the Kaweah No. 3 Forebay and termination of the entrainment sampling. Post study review identified potential high risk of damage to infrastructure and the environment related to entrainment sampling in the Kaweah No. 3 Flowline. Issues of concern are (1) lack of freeboard in the flow line under normal operations; (2) steep topography along the flowline; (3) remote sampling locations; and (4) lack of access to equipment to assist in installing, cleaning, and removing entrainment nets. <p>Due to the high risk associated with Kaweah No.3 Flowline, the study proposes to use entrainment monitoring in the Kaweah No. 2 Flowline as a surrogate for entrainment in Kaweah No. 3 Flowline.</p> <p>In addition, due to a landslide that damaged the Kaweah No. 1 Flowline in July 2018, the Project is currently not diverting water from the East Fork Kaweah River. The timing of the entrainment study on the Kaweah No. 1 Flowline is contingent upon its repair.</p>	<p>Technical Working Group</p> <ul style="list-style-type: none"> Conduct meeting with interested agencies and Aquatic Technical Working Group on revised study approach. <p>Data Collection</p> <ul style="list-style-type: none"> Conduct field data collection. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft AQ 9 – TSR. Distribute Draft AQ 9 – TSR for stakeholder review, address comments, finalize, and distribute Final AQ 9 – TSR. 	<ul style="list-style-type: none"> The revised study plan will be distributed to interested agencies and stakeholders for review in October 2018. 	<ul style="list-style-type: none"> None
Cultural Resources						
CUL 1 – Cultural Resources: Built Environment	<p>Establishment of Study Area</p> <ul style="list-style-type: none"> Consulted with Technical Working Group regarding development of the Study Area / Area of Potential Effects (APE) for historic period built environment resources. Consulted with the State Historic Preservation Officer (SHPO) regarding establishment of the APE. SHPO concurrence with the APE was received on May 3, 2018. <p>Cultural Resource Inventory</p> <ul style="list-style-type: none"> Identified and relocated all known historic period built environment cultural resources in the Project APE. Conducted a California Historical Resources Information System (CHRIS) Record Search for the entirety of APE and a one mile buffer area surrounding APE. Coordinated with the BLM Bakersfield Field Office regarding records held for historic period built environment cultural resources in the Project APE. Reviewed records of the Tulare County Historical Society and Three Rivers Historical Society for historic period built environment cultural resources in the Project APE. Reviewed Records held by SCE regarding historic period built environment cultural resources in the Project APE. 	<ul style="list-style-type: none"> March 20, 2018: Conducted Cultural Resources Technical Working Group to address historic period built environment resources in the Project APE. 	<p>Report Distribution</p> <ul style="list-style-type: none"> The TSR for the CUL-1 Study will be distributed as three separate reports – Built Environment, Archaeology, and Ethnography to aid in clarity and ease of stakeholder review. This refinement will delay distribution of the reports as identified in the CUL – 1 TSP. The updated schedule is provided in Attachment D. <p>Survey Timing</p> <ul style="list-style-type: none"> Archaeological inventory and survey was conducted in May and June 2018 instead of April and May. The updated schedule is provided in Attachment D. <p>Study Approach Refinement</p> <ul style="list-style-type: none"> Implementation of the CUL 1 – TSP included the addition of a one-mile CHRIS record search buffer surrounding the APE to provide additional contextual information for resources in the APE. Historic period built environment resources associated with the Kaweah Hydroelectric Project in Sequoia National Park (SNP) were inventoried and evaluated for NRHP eligibility because these resources are contextually associated with historic period built environment resources in the Project APE. 	<p>Reporting</p> <ul style="list-style-type: none"> Distribute Draft CUL 1 – Built Environment Inventory and Evaluation TSR for stakeholder review, address comments, finalize, and distribute Final CUL 1 – Built Environment TSR. <p>Technical Working Group</p> <ul style="list-style-type: none"> Conduct a Technical Working Group meeting to review field studies and TSR comments. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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	<ul style="list-style-type: none"> Identified Kaweah Project facilities and features that were not previously evaluated for the National Register of Historical Places (NRHP). Conducted site visits to all historic period built environment cultural resources in the Project APE. Documented existing conditions of all historic period built environment cultural resources in the Project APE. Accurately mapped all historic period built environment cultural resources in the Project APE. Updated previous Site Records (DPR 523) for all historic period built environment cultural resources in the Project APE. Created new site records (DPR 523) for all historic period built environment cultural resources in the Project APE that had not previously been documented. <p>NRHP Eligibility Studies</p> <ul style="list-style-type: none"> Assessed the need for NRHP eligibility studies for historic period built environment cultural resources in the Project APE in consultation with the Technical Working Group. Conducted NRHP evaluation and update evaluation studies for all historic period built environment cultural resources in the Project APE. 					
<p>CUL 1 – Cultural Resources: Archaeology</p>	<p>Establishment of Study Area</p> <ul style="list-style-type: none"> Consulted with Technical Working Group regarding development of the Study Area / APE for archaeological resources. Consulted with the SHPO regarding establishment of the APE. SHPO concurrence with the APE was received on May 3, 2018. <p>Cultural Resource Inventory</p> <ul style="list-style-type: none"> Identified and relocated all known archaeological cultural resources in the Project APE. Conducted a CHRIS Record Search for the entirety of APE and a 1-mile buffer area surrounding APE. Coordinated with the BLM Bakersfield Field Office regarding records held for archaeological cultural resources in the Project APE. Reviewed records held by SCE regarding archaeological cultural resources in the Project APE. Conducted site visits to relocate all known archaeological cultural resources in the Project APE. Documented existing conditions of all previously documented archaeological cultural resources in the Project APE. Conducted field surveys in areas not previously surveyed to identify new archaeological cultural resources in the APE. Conducted field surveys in areas where previous survey was outdated and required resurvey to current standards. Accurately mapped all archaeological cultural resources in the Project APE. 	<ul style="list-style-type: none"> March 20, 2018: Conducted Cultural Resources Technical Working Group to address archaeological resources in the Project APE. 	<ul style="list-style-type: none"> See above under CUL – 1 Built Environment 	<p>Reporting</p> <ul style="list-style-type: none"> Distribute Draft CUL 1 – Archaeological Inventory TSR for stakeholder review, address comments, finalize, and distribute Final CUL 1 – Archaeological Inventory TSR. Distribute Draft CUL 1 – Archaeological NRHP Evaluation TSR for stakeholder review, address comments, finalize, and distribute Final CUL 1 – Archaeological NRHP Evaluation TSR. <p>Technical Working Group</p> <ul style="list-style-type: none"> Conduct a Technical Working Group meeting to review field studies and Archaeological Inventory TSR comments and assess the needs for archaeological NRHP evaluation. <p>NRHP Evaluation Studies</p> <ul style="list-style-type: none"> Develop NRHP Evaluation Plan that identifies the specific resources to be evaluated and the evaluation methods. Conduct NRHP evaluation studies for archaeological resources that are determined through consultation with Technical Working Group to require NRHP eligibility analysis. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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	<ul style="list-style-type: none"> Updated previous Site Records (DPR 523) for all previously documented archaeological cultural resources in the Project APE. Created new site records (DPR 523) for all archaeological cultural resources in the Project APE that had not previously been documented. 					
CUL 1 – Cultural Resources: Ethnography	<p>Establishment of Study Area</p> <ul style="list-style-type: none"> Consulted with the SHPO regarding establishment of the APE. SHPO concurrence with the APE was received on May 3, 2018. <p>Develop Ethnographic Information</p> <ul style="list-style-type: none"> Obtained, compiled, reviewed, and summarized existing ethnographic information. Conducted Sacred Lands File Search with the Native American Heritage Commission (NAHC). Consulted with Tribal representatives to identify properties, plants, and other resources of traditional cultural or religious importance to Native Americans. 	<ul style="list-style-type: none"> March 20, 2018: Conducted Cultural Resources Technical Working Group to address ethnographic resources in the Project APE. 	<ul style="list-style-type: none"> See above under CUL 1 – Built Environment. 	<p>Reporting</p> <ul style="list-style-type: none"> Distribute Draft CUL 1 – Ethnographic Inventory and Evaluation TSR for stakeholder review, address comments, finalize, and distribute Final CUL 1 – Ethnographic Inventory and Evaluation TSR. <p>Ethnographic Interviews and Field Visits</p> <ul style="list-style-type: none"> Complete necessary ethnographic field visits and interviews. <p>Technical Working Group</p> <ul style="list-style-type: none"> Conduct a Technical Working Group meeting to review field studies and Ethnographic TSR comments. <p>NRHP Evaluation Studies</p> <ul style="list-style-type: none"> Conduct NRHP evaluation studies for ethnographic resources that are determined through consultation to require NRHP evaluation. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
Land Resources						
LAND 1 – Transportation System	<p>Project Roads and Trails</p> <ul style="list-style-type: none"> Identified and mapped all Project roads and trails used by SCE to access Project facilities. Consulted with the BLM to determine if any Project roads and trails have been previously inventoried and assessed by BLM. Conducted field surveys to characterize the current condition of Project roads and trails, and their associated drainage features. Characterized SCE's uses of Project roads and trails. Characterized other uses of Project roads and trails. Characterized SCE's maintenance practices, responsibilities, and schedules. Identified existing agreements between SCE, the BLM, Tulare County, and private property owners, as applicable, related to Project roads and trails. <p>Helicopter Landing Sites</p> <ul style="list-style-type: none"> Identify and map the location of helicopter landing sites used for routine operation and maintenance of the Project. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyzed data and began preparing Draft LAND 1 – TSR. 		<p>Study Approach Refinement</p> <ul style="list-style-type: none"> The estimated useful remaining life span of surface treatments and erosion and drainage features on Project roads and trails was eliminated from the assessment. It was determined that the useful remaining lifespan of surface treatments and erosion and drainage features was subjective and could change dramatically depending on the severity of local conditions (i.e., heavy equipment use or severe storms). 	<p>Helicopter Landing Sites</p> <ul style="list-style-type: none"> Characterize the frequency and seasonality of helicopter landing site use. Describe associated Project-related maintenance activities. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft LAND 1 – TSR. Distribute Draft LAND 1 – TSR for stakeholder review, address comments, finalize, and distribute Final LAND 1 – TSR. <p>Data Distribution</p> <ul style="list-style-type: none"> Provide data and information about roads and trails developed as part of this study to the BLM, as appropriate. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

Attachment C. Technical Study Plan Implementation Summary as of September 30, 2018.

Technical Study Plan	Study Elements Completed / Data Collected	Work Group Update	Technical Study Plan Variances	Outstanding Study Elements (Data analysis and reporting schedules are shown on the implementation schedules provided in Attachment D)	Modifications to Ongoing Studies	Proposed New Studies
<p>LAND 2 – Aesthetic Resources</p>	<p>Visual Resource Study</p> <ul style="list-style-type: none"> • Compiled and summarized pertinent BLM, Tulare County, and NPS management direction regarding visual resources. • Prepared maps showing Project facilities with respect to visual resource inventory information and corresponding tables. • Identified and mapped Key Observation Points (KOP) in consultation with the BLM, Tulare County, and NPS. • Evaluated the existing visual condition (EVC) of any newly constructed or substantially modified Project facilities (post-1989) with respect to existing visual landscape. • Used contrast ratings to determine whether the EVC of Project facilities meets the established visual resource management objectives. • Used contrast ratings to determine visual compatibility with surrounding landscape. <p>Helicopter Noise Study</p> <ul style="list-style-type: none"> • Identified and documented Tulare County, BLM, and NPS noise policies and criteria. • Identified specific noise-sensitive locations in consultation with the NPS. • Described SCE routine operation and maintenance activities that involve helicopter use. • Conducted noise measurements at Indian Head Trailhead Parking and Foothill Visitor Center (within the SNP) during use of helicopter associated with the Kaweah No. 3 Penstock Repair Project. • Compared noise measurement results to established noise criteria. <p>Kaweah No. 3 Forebay Spill Study</p> <ul style="list-style-type: none"> • Described circumstances under which spills occur at the Kaweah No. 3 Forebay. • Consulted with NPS to identify specific location(s) where spill noise and/or visual condition is a concern. • Conducted noise measurements at Indian Head Trailhead Parking and Foothill Visitor Center (within the SNP) during a planned spill event at the Kaweah No. 3 Forebay. • Compared noise measurement results to established noise criteria. • Photographed visual condition during the spill event for comparison during non-spill events. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> • Analyzed data and began preparing Draft LAND 2 – TSR. 		<p>Survey Timing</p> <ul style="list-style-type: none"> • The helicopter use noise measurement did not occur until September 2018 because SCE did not have any scheduled helicopter use in the vicinity of the noise measurement locations prior to this time. 	<p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> • Analyze data and prepare Draft LAND 2 – TSR. • Distribute Draft LAND 2 – TSR for stakeholder review, address comments, finalize, and distribute Final LAND 2 – TSR. 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • None

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LAND 3 – Land Use	<p>Identify Infrastructure</p> <ul style="list-style-type: none"> Identified and mapped all existing fences, gates, cattle guards, bridges, watering troughs, escape ramps in the immediate vicinity of Project facilities. Conducted field surveys to characterize the current condition of the aforementioned infrastructure. <p>Characterize Maintenance Practices and Responsibilities</p> <ul style="list-style-type: none"> Characterized SCE’s maintenance practices, responsibilities, and schedules for exclusionary fencing and safety measures. Identified existing agreements between SCE, the BLM, Tulare County, and private property owners. <p>Identify Public Safety Measures</p> <ul style="list-style-type: none"> Identified and described existing programs and measures implemented by SCE for public health and safety (i.e., fencing, barriers, gates, buoy lines, escape ropes, signage, and alarms). Described condition of the existing safety features. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyzed data and began preparing Draft LAND 3 – TSR. 		<ul style="list-style-type: none"> None 	<p>Assess Livestock Mortality</p> <ul style="list-style-type: none"> Review mammal mortality records for livestock incidents. <p>Identify Public Safety Measures</p> <ul style="list-style-type: none"> Characterize and document the number, type, and location of safety incidents that have occurred in the vicinity of the Project. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft LAND 3 – TSR. Distribute Draft LAND 3 – TSR for stakeholder review, address comments, finalize, and distribute Final LAND 3 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
Recreation Resources						
REC 1 – Recreation Resources	<p>Inventory Existing Recreation Facilities/Areas</p> <ul style="list-style-type: none"> Identified and mapped developed recreation facilities located in the Kaweah River Watershed. Utilized existing information sources to describe each recreation facility. Described SCE’s Kaweah No. 2 Powerhouse River Access Area (Edison Beach). <p>Characterize Existing Use and Opportunities in the Vicinity of the Kaweah Project</p> <ul style="list-style-type: none"> Utilized existing information to characterize recreation opportunities and use levels in the immediate vicinity of the Kaweah Project facilities and along the bypass reaches. Consulted with BLM on the installation location of a trail camera at Craig Ranch Road/Salt Creek Road. Installed trail camera to determine frequency and timing of non-motorized use of Craig Ranch Road/Salt Creek Road and the Project access road to the Kaweah No. 1 Forebay Tank. Conducted visitor use counts to estimate recreation use at the Kaweah No. 2 Powerhouse River Access Area (Edison Beach). Installed a trail camera to augment visitor count data collection efforts. <p>Characterize Potential User Conflicts</p> <ul style="list-style-type: none"> Interviewed recreation users, if present during recreation camera data downloading, to document any concerns and issues related to motorized use along Craig Ranch Road/Salt Creek Road. 		<p>Survey Approach Refinement</p> <ul style="list-style-type: none"> Following consultation with the BLM, it was determined that only one trail camera would be necessary along Salt Creek Road. To augment visitor counts at the Kaweah No. 2 Powerhouse River Access Area (Edison Beach), a trail camera was installed at the parking area to record visitor use. <p>Survey Timing</p> <ul style="list-style-type: none"> Due to delays in data collection efforts, visitor counts will be conducted through March 2019 to collect a full year of data, and private property owner interviews will occur in November 2018. <p>Report Distribution</p> <ul style="list-style-type: none"> Distribution of the Draft REC 1 – TSR to stakeholders for review has been delayed because of the late start of data collection and need for additional time to complete data analysis. The updated schedule is provided in Attachment D. 	<p>Inventory Existing Recreation Facilities/Areas</p> <ul style="list-style-type: none"> Assess the condition of the Kaweah No. 2 Powerhouse River Access Area (Edison Beach) relative to current Tulare County design and accessibility standards. <p>Characterize Existing Use and Opportunities in the Vicinity of the Kaweah Project</p> <ul style="list-style-type: none"> Continue recreation use surveys and data collection. <p>Characterize Potential User Conflicts</p> <ul style="list-style-type: none"> Interview Tulare County land use/recreation planners to identify concerns related to conflicts between recreation users and private property owners in the vicinity of the Kaweah Project. Interview property owners to identify and document potential concerns and issues related to recreation use at the Kaweah No. 2 Powerhouse River Access Area (Edison Beach). <p>Estimate Future Recreation Needs in the Vicinity of the Project</p> <ul style="list-style-type: none"> Utilize census data and existing information to identify population projections and to document outdoor recreation use trends and needs. Utilize use estimates along with trends and population projections to estimate future recreation needs over the license period. Determine whether future recreation needs can be met in vicinity of Project. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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				<p>Identify Public Safety Measures</p> <ul style="list-style-type: none"> Characterize and document the number, type, and location of safety incidents that have occurred in the vicinity of the Project. Identify and describe existing programs and measures implemented by SCE for public health and safety (i.e., buoy lines, escape ropes, signage, and alarms). Describe condition of the existing safety features. Identify and map the locations of existing helicopter landing sites in the vicinity of the Project. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Distribute Draft REC 1 – TSR for stakeholder review, address comments, finalize, and distribute Final REC 1 – TSR. 		
<p>REC 2 – Whitewater Boating</p>	<p>Develop Information about Whitewater Resources and Hydrology</p> <ul style="list-style-type: none"> Characterized existing whitewater boating opportunities and use on the bypass reaches, based on existing published information sources. Summarized commercial and private whitewater boating use on the bypass reaches. Conducted a hydrology assessment. Identified flow dissemination mechanisms. Determined, in consultation with the Whitewater Boating Focus Group, that whitewater boating flow studies are not required to establish and/or refine boatable flow ranges. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyzed data and prepared Draft REC 2 – TSR. 	<ul style="list-style-type: none"> April 3, 2018: Conducted Whitewater Boating Focus Group Meeting (WBFG) to develop additional information about whitewater boating opportunities. 	<p>Report Distribution</p> <ul style="list-style-type: none"> The REC 2 – TSP identifies preparation of a whitewater boating opportunities summary report and distribution to stakeholders for review prior to the WBFG meeting. This information was developed and incorporated into the WBFG meeting presentation, however, a summary report was not distributed to the WBFG members prior to the meeting. Distribution of the Draft REC 2 – TSR to stakeholders for review has been delayed to allow additional time to complete data analysis. The updated schedule is provided in Attachment D. 	<p>Site Visit</p> <ul style="list-style-type: none"> The TSP states that, if necessary, a site visit will be conducted with experienced commercial and private whitewater boaters. The decision to conduct a site visit was to be made after the WBFG meeting. At the WBFG meeting, it was determined that a site visit would not be needed at this time, and may not be warranted depending upon review of the REC 2 – TSR. If it is determined that a site visit is necessary, it will be scheduled in the spring of 2019. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Distribute Draft REC 2 – TSR for stakeholder review, address comments, finalize, and distribute Final REC 2 – TSR. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None
Terrestrial Resources						
<p>TERR 1 – Botanical Resources</p>	<p>Vegetation Alliances and Wildlife Habitats</p> <ul style="list-style-type: none"> Developed vegetation alliances maps of the study area based on Classification and Assessment with LANDSAT of Visible Ecological Groupings (CALVEG) mapping and vegetation alliance descriptions. Verified CALVEG data against recent aerial photographs. Conducted ground-truthing of vegetation alliances. Cross-referenced CALVEG alliances with California Wildlife Habitat Relationship (CWHR) System wildlife habitats. Developed GIS maps of vegetation alliances and wildlife habitats. Developed GIS maps of riparian alliances. <p>Special-status Plants</p> <ul style="list-style-type: none"> Consulted with agencies regarding updated special-status species lists or known occurrences. Developed updated lists of special-status plant species potentially occurring in the Project area, based on agency responses. 		<p>Study Approach Refinement</p> <ul style="list-style-type: none"> Some species of non-native invasive plants (NNIP) were ubiquitous in the Project area, and the survey area was not expanded to capture the full extent of these populations. 	<p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft TERR 1 – TSR. Distribute Draft TERR 1 – TSR for stakeholder review, address comments, finalize, and distribute Final TERR 1 – TSR. Prepare and submit California Native Species Field Survey Forms for special-status plant populations recorded to California Natural Diversity Database (CNDDDB). 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

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	<ul style="list-style-type: none"> Identified and mapped known occurrences of special-status plant species. Provided updated plant list and timing of surveys to BLM, CDFW, USFWS, and RWQCB, and requested input on the location of special-status plant reference populations (no responses received). Conducted special-status plant reference population surveys and provided results to BLM, CDFW, USFWS, and RWQCB. Conducted focused special-status plant surveys. Developed GIS maps of special-status plant populations. <p>Non-Native Invasive Plants</p> <ul style="list-style-type: none"> Consulted with agencies regarding updated non-native invasive plant (NNIP) lists or known occurrences. Developed updated list of priority NNIPs for focused surveys. Identified and mapped known occurrences of NNIPs. Provided updated NNIP list and timing of surveys to BLM, CDFW, USFWS, and RWQCB. Conducted focused NNIP surveys. Developed GIS maps of NNIPs. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyzed data and began preparing Draft TERR 1 – TSR. 					
TERR 2 – Wildlife Resources	<p>Special-status Wildlife</p> <ul style="list-style-type: none"> Consulted with agencies regarding updated special-status species lists or new occurrences (none were provided). Updated existing wildlife lists and wildlife occurrence maps. Identified special-status wildlife species potentially occurring within CWHR designations. Provided updated wildlife list and timing of surveys to BLM, CDFW, USFWS, and RWQCB (no responses received). Conducted wildlife reconnaissance surveys. Documented incidental observations of special-status species during 2018 field surveys. <p>Evaluation of Transmission Line, Transmission Tap Line, and Power Line Configuration</p> <ul style="list-style-type: none"> Mapped the location and documented the configuration of Project transmission lines, transmission tap lines, and power lines. Evaluated consistency with Avian Power Line Interaction Committee (APLIC) guidelines. Documented past avian electrocutions and mortalities. 		<p>Survey Timing</p> <ul style="list-style-type: none"> In consultation with resource agencies, the bat expert determined that it was more appropriate to conduct the acoustic surveys during the last two weeks of June to coincide with the end of the typical maternity roosting period, which would maximize the potential for detections. 	<p>Special-status Bat Surveys</p> <ul style="list-style-type: none"> Conduct seasonal use surveys (October). <p>Evaluation of Wildlife Use of Wildlife Bridges and Escape Ramps</p> <ul style="list-style-type: none"> Document use of wildlife bridges and escape ramps by mule deer and other animals crossing the Kaweah No. 2 and No. 3 Flowlines (November/December). <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> Analyze data and prepare Draft TERR 2 – TSR. Distribute Draft TERR 2 – TSR for stakeholder review, address comments, finalize, and distribute Final TERR 2 – TSR. <p>Data Distribution</p> <ul style="list-style-type: none"> Provide an electronic database of the following to BLM, resource agencies, and interested stakeholders: <ul style="list-style-type: none"> Special-status wildlife occurrences; Avian electrocutions and mortalities; Special-status bat survey data; and Wildlife use of bridges and escape ramps. 	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> None

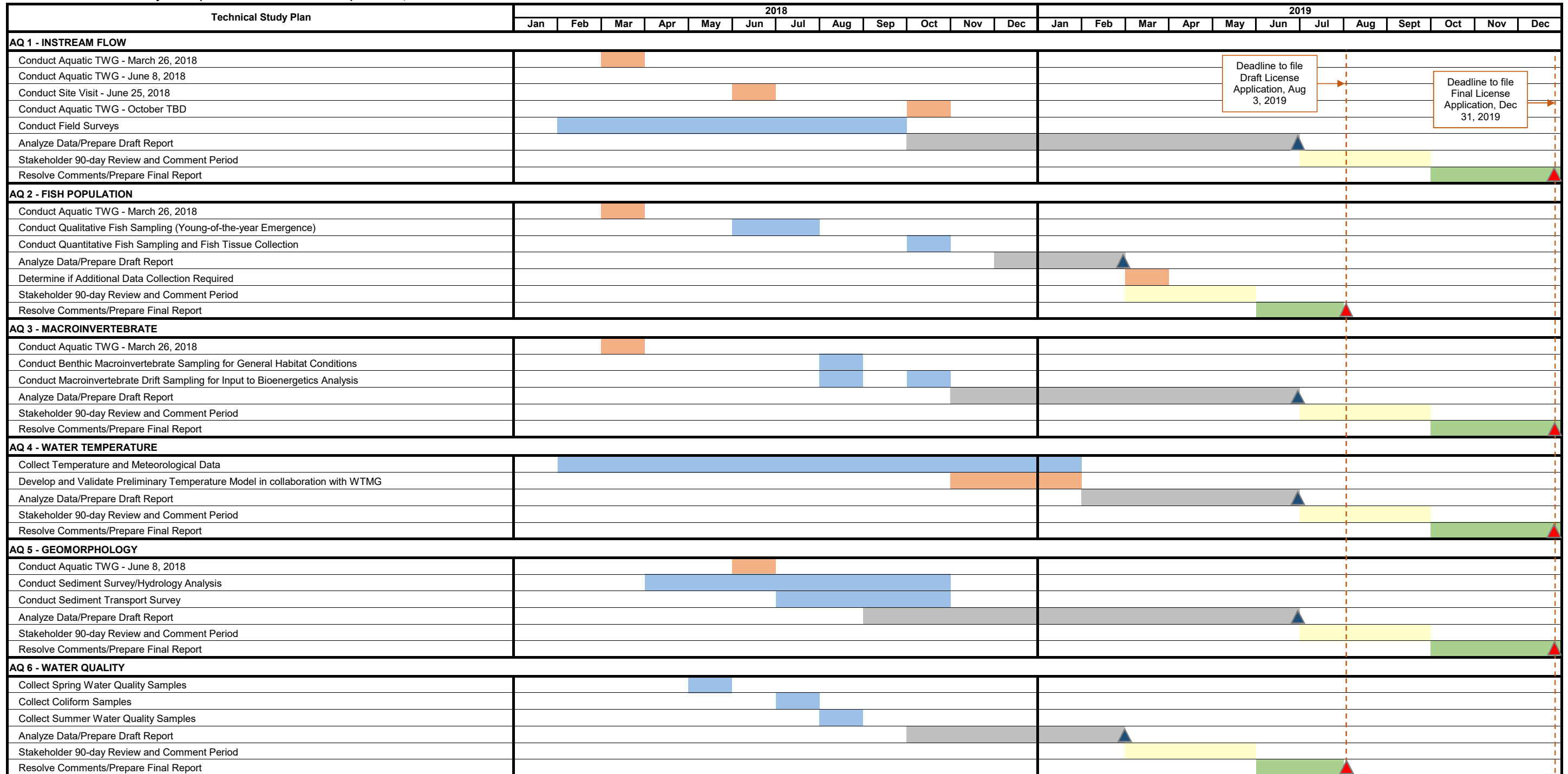
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	<p>Special-status Bat Surveys</p> <ul style="list-style-type: none"> • Provided timing of special-status bat surveys to BLM, CDFW, USFWS, and RWQCB (no responses received). • Conducted reproductive surveys (including roost surveys, acoustic sampling, and mist net sampling). <p>Evaluation of Wildlife Use of Wildlife Bridges and Escape Ramps</p> <ul style="list-style-type: none"> • Documented use of wildlife bridges and escape ramps by mule deer and other animals crossing the Kaweah No. 2 and No. 3 Flowlines (initiated in late March). <p>Evaluation of Wildlife/Livestock Mortality in Project Flowlines</p> <ul style="list-style-type: none"> • Reviewed and summarized historic information on wildlife/livestock mortality in Project flowlines. <p>Data Analysis and Reporting</p> <ul style="list-style-type: none"> • Analyzed data and began preparing Draft TERR 2 – TSR. 					

Attachment D

Technical Study Plan Implementation Schedule

Attachment D. Technical Study Plan Implementation Schedule as of September 30, 2018.



Attachment D. Technical Study Plan Implementation Schedule as of September 30, 2018.

Technical Study Plan	2018												2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
AQ 7 - SPECIAL-STATUS AMPHIBIANS AND AQUATIC REPTILES																								
Conduct Aquatic TWG - March 26, 2018			■																					
Conduct Spring/Early Summer Surveys for FYLF and WPT				■	■	■	■																	
Conduct Late Summer/Fall Surveys for FYLF and WPT								■	■															
Analyze Data/Prepare Draft Report									■	■	■	■												
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								▲
AQ 8 - FISH PASSAGE																								
Conduct Field Surveys											■	■												
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Consult with Resource Agencies to Determine Need for Hydrodynamics Modeling																								
Collect Additional Data (if necessary)/Resolve Comments/Prepare Final Report																								▲
AQ 9 - ENTRAINMENT																								
Consult with Agencies and Stakeholders on Revised Approach																								
Summarize Diversion/Turbine Data and Measure Entrainment in Flowlines																								
Summarize Fish Population Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								▲
CUL 1 - CULTURAL RESOURCES																								
Built Environment																								
Conduct Cultural TWG - March 20, 2018/Compile Existing Resource Information			■	■	■	■	■	■	■	■	■	■												
Conduct Built Environment Survey				■	■	■	■	■	■	■	■	■												
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
Archaeology																								
Conduct Cultural TWG - March 20, 2018/Compile Existing Resource Information			■	■	■	■	■	■	■	■	■	■												
Conduct Archaeology Survey				■	■	■	■	■	■	■	■	■												
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
Assess Need for Eligibility Studies																								
Ethnography																								
Conduct Cultural TWG - March 20, 2018/Compile Existing Resource Information			■	■	■	■	■	■	■	■	■	■												
Conduct Interviews and Potential Site Visit																								
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								

Attachment D. Technical Study Plan Implementation Schedule as of September 30, 2018.

Technical Study Plan	2018												2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
LAND 1 - TRANSPORTATION SYSTEM																								
Consult with Stakeholders/Compile Existing Resource Information																								
Conduct Field Surveys																								
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
LAND 2 - AESTHETIC RESOURCES																								
Consult with Stakeholders/Compile Existing Resource Information																								
Identify and map KOPs in Consultation with BLM, Tulare County, and NPS																								
Identify noise-sensitive locations in Consultation with NPS																								
Conduct Visual Resource Survey																								
Conduct Noise Assessment (Kaweah No. 3 Forebay Spill)																								
Conduct Noise Assessment (Helicopter Use)																								
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
LAND 3 - LAND USE																								
Consult with Stakeholders/Compile Existing Resource Information																								
Conduct Field Surveys																								
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
REC 1 - RECREATION RESOURCES																								
Consult with Stakeholders/Compile Existing Resource Information																								
Conduct Visitor Counts at Kaweah No. 2 Powerhouse River Access Area																								
Monitor Use Along Craig Ranch Road/Salt Creek Road																								
Conduct Interviews (Tulare County, Property Owners, Users of Craig Ranch Rd)																								
Analyze Data/Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								
REC 2 - WHITEWATER BOATING																								
Phase 1 – Develop Information																								
Develop Information about Whitewater Boating Resources and Hydrology																								
Prepare and Distribute Summary Report																								
Conduct Whitewater Boater Focus Group Meeting																								
Phase 2 – Possible Site Visit (if necessary)																								
Conduct Site Visit	Not needed at this time																							
Phase 3 – Possible Whitewater Boating Flow Studies (if necessary)																								
Develop Whitewater Boating Survey Instrument	Not needed																							
Conduct Whitewater Boating Flow Study(s) (runoff dependent)	Not needed																							
Reporting																								
Prepare Draft Report																								
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								

Attachment D. Technical Study Plan Implementation Schedule as of September 30, 2018.

Technical Study Plan	2018												2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
TERR 1 - BOTANICAL RESOURCES																								
Consult with Resource Agencies - Updated Plant List and Survey Timing			■																					
Consult with Resource Agencies - Special-Status Plant Reference Populations				■																				
Conduct Botanical Surveys				■	■	■	■	■	■	■	■	■												
Analyze Data/Prepare Draft Report											■	■	■	■	■	■	■	■	■	■	■	■	■	
Stakeholder 90-day Review and Comment Period																		■	■	■	■	■	■	
Resolve Comments/Prepare Final Report																								
TERR 2 - WILDLIFE RESOURCES																								
Consult with Resource Agencies - Updated Wildlife List and Survey Timing			■																					
Conduct Evaluation of Wildlife Use of Bridges and Escape Ramps				■	■	■	■	■	■	■	■	■												
Conduct Wildlife Reconnaissance Surveys					■	■	■	■	■	■	■	■												
Conduct Special-status Bat Reproductive Surveys						■	■	■	■	■	■	■												
Conduct Special-status Bat Seasonal Use Surveys and Monitoring Bridges																								
Conduct Evaluation of Wildlife Use of Bridges and Escape Ramps																								
Analyze Data/Prepare Draft Report												■	■	■	■	■	■	■	■	■	■	■	■	
Stakeholder 90-day Review and Comment Period																								
Resolve Comments/Prepare Final Report																								

- Stakeholder/Agency Consultation
- Field Surveys/Data Collection
- Data Analysis and Prepare Draft Report
- Stakeholder Review and Comment Period
- Resolution of Comments and Prepare Final Report
- ▲ Submit Draft Report to Stakeholders
- ▲ Submit Final Report to Stakeholders