

SOUTHERN CALIFORNIA EDISON
Kern River No. 3 Hydroelectric Project
(FERC Project No. 2290)



DRAFT LICENSE APPLICATION
VOLUME II



July 2024

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SOUTHERN CALIFORNIA EDISON

Kern River No. 3 Hydroelectric Project (FERC Project No. 2290)

Draft License Application Volume II

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

July 2024

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LIST OF EXHIBITS

Exhibit E Environmental Exhibit

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SOUTHERN CALIFORNIA EDISON
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EXHIBIT E: ENVIRONMENTAL REPORT
DRAFT LICENSE APPLICATION



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LIST OF ACRONYMS AND ABBREVIATIONS

°C	degree Celsius
°F	degree Fahrenheit
µg/L	microgram per liter
ACS	American Community Survey
ADI	Area of Direct Impact
AF	acre-foot
amsl	above mean sea level
AoR	Area of Review
APE	Area of Potential Effects
BD	below laboratory detection
BLM	Bureau of Land Management
BMI	benthic macroinvertebrate
BMP	best management practice
cal BP	calibrated years before present
CAL FIRE	California Department of Forestry and Fire Protection
CalEPA	California Environmental Protection Agency
Cal-IPC	California Invasive Plant Council
CALVEG	Classification and Assessment with Landsat of Visible Ecological Groupings
CBG	Census Block Group
CC	chemical constituent
CDC	Centers for Disease Control and Prevention
CDFW	California Department of Fish and Wildlife
CEFF	California Environmental Flows Framework
CEII	Critical Electric/Energy Infrastructure Information
CFR	Code of Federal Regulations
cfs	cubic feet per second
CFU	colony forming units
CMP	Comprehensive Management Plan
CNDDB	California Natural Diversity Database
CRMP	Cultural Resources Management Plan
CSCI	California Stream Condition Index

CT	Census Tract
CUI	Controlled Unclassified Information
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
DAC	Disadvantaged Communities
DCG	developed campground
DKA	Davis-King & Associates
DLA	Draft License Application
DO	dissolved oxygen
DPR	Department of Parks and Recreation
DPS	Distinct Population Segment
EAP	Emergency Action Plan
EFH	essential fish habitat
EJ	environmental justice
EJScreen	Environmental Justice Screening and Mapping Tool
ESA	Endangered Species Act
FERC	Federal Energy Regulatory Commission
FGV	fine-grained volcanic
FLA	Final License Application
Forest Service	U.S. Forest Service
FPA	Federal Power Act
FW	Far Western Anthropological Research Group, Inc.
GHG	greenhouse gas
GPS	Global Positioning System
HAER	Historic American Engineering Records
HPMP	Historic Properties Management Plan
HRA	Historical Research Associates, Inc.
HUC	Hydraulic Unit Code
ID	identification
IFIM	instream flow incremental methodology
ILP	Integrated Licensing Process
IPaC	Information for Planning and Consultation
KOP	key observation point

KR&LAEP	Kern River and Los Angeles Electric Power Company
KR3	Kern River No. 3
KR3HD	Kern River No. 3 Historic District
kV	kilovolt
LMP	Land Management Plan
MCL	maximum contaminant levels
mg/L	milligrams per liter
MIF	minimum instream flow
mL	milliliters
mm	millimeter
MOU	Memorandum of Understanding
MPN	most probable number
MW	megawatt
MWh	megawatt-hour
NAHC	Native American Heritage Commission
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NFKR	North Fork Kern River
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NNIP	non-native invasive plant
NPS	National Park Service
NRHP	National Register of Historic Places
NVUM	National Visitor Use Monitoring Program
O&M	operations and maintenance
ORV	outstanding remarkable value
PA	Programmatic Agreement
PAD	Preliminary Application Document
PCT	Pacific Crest Trail
PHD	Palegewan Heartland District
PL&P	Pacific Light & Power Company
PQS	Professional Qualification Standards
PRIV	Privileged

Project	Kern River No. 3 Hydroelectric Project (FERC Project No. 2290)
RD	Recreation Day
RM	River Mile
SB	Senate Bill
SCE	Southern California Edison
SCORP	Statewide Comprehensive Outdoor Recreation Plan
SD1	Scoping Document 1
SD2	Scoping Document 2
SFKR	South Fork Kern River
SHPO	State Historic Preservation Office
SOI	Secretary of the Interior
SQF	Sequoia National Forest
State Water Board	State Water Resources Control Board
SUP	Special Use Permit
TCP	Traditional Cultural Property
TR	Tiley Research
TSR	Technical Study Report
TWG	Technical Working Group
USACE	U.S. Army Corps of Engineers
USC	United States Code
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USR	Updated Study Report
WECC	Western Electricity Coordinating Council
WQC	Water Quality Certificate
WY	water year
YBP	years before present
YOY	young-of-year