BEFORE THE PUBLIC UTILITIES COMMISSION OF THE

STATE OF CALIFORNIA

In the Matter of the Application of SOUTHERN CALIFORNIA EDISON COMPANY (U 338-E) for a Certificate of Public Convenience and Necessity for the West of Devers Upgrade Project and for an Interim Decision Approving the Proposed Transaction between Southern California Edison and Morongo Transmission LLC	)	A.13-10-XXX

PROPONENT'S ENVIRONMENTAL ASSESSMENT (PEA)
IN THE WEST OF DEVERS UPGRADE PROJECT

VOLUME 1 OF 7

This PEA is being filed separately from the Application and is being submitted as an Archival DVD and CD-ROM

JENNIFER HASBROUCK
BETH GAYLORD
GARY CHEN
LAURA RENGER

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-6984
Facsimile: (626) 302-1926
E-mail:laura.renger@sce.com

Dated: October 25, 2013

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Appendices

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Appendix I: Hydrology and Water Quality

Appendix J: Land Use: Zoning Figures

Appendix K: Noise Calculations and Maps

Appendix L: Visual/Aesthetics

Appendix M: Potential Permitting Requirements

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ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
AB 32	California Global Warming Solutions Act of 2006
ACEC	Area of Critical Environmental Concern
ACHP	Advisory Council on Historic Preservation
ADT	average daily trips
AGCC	Alternate Grid Control Center
ALS	advanced life support
AMR	American Medical Response
amsl	above mean sea level
APE	Area of Potential Effects
APM	Applicant Proposed Measure
AQMP	Air Quality Management Plan
ARL	Additional Reserve Land
ARMC	Arrowhead Regional Medical Center
ARPA	Archaeological Resources Protection Act
ASTM	American Society of Testing Materials
BACM	Best Available Control Measure
bgs	Below ground surface
BIA	United States Bureau of Indian Affairs
BLM	United States Bureau of Land Management
BMP	Best Management Practice
BNSF	Burlington Northern-Santa Fe
BP	Before Present
BRTR	Biological Resources Technical Report
C.C.R.	California Code of Regulations
C.F.R.	Code of Federal Regulations
CAA	Federal Clean Air Act

CAAQS	California Ambient Air Standards
CAISO	California Independent System Operator
Cal/OSHA	California Occupational Safety and Health Administration
Calectric	California Electric Power Company
CalEPA	California Environmental Protection Agency
CALFIRE	California Department of Forestry and Fire
Cal-IPC	California Invasive Plant Council
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CASSA	Criteria Area Species Survey Area
CAT	Climate Action Team
CBC	California Building Code
CDC	California Department of Conservation
CDCA	California Desert Conservation Area Plan
CDFA	California Department of Food and Agriculture
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife (formerly CDFG)
CDMG	California Division of Mines & Geology
CEC	California Energy Commission
CEMA	California Emergency Management Agency
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESA	California Endangered Species Act
CGP	Construction General Permit
CGS	California Geological Survey

CH_4	methane
CHSB	Community Hospital of San Bernardino
CIWMB	California Integrated Waste Management Board
CJUSD	City of Colton Joint Unified School District
CMP	Congestion Management Plan
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CORRACT	Corrective Action Report
CPI-U	Consumer Price Index
CPUC	California Public Utility Commission
CRA	Colorado River Aqueduct
CREST	California Renewable Energy Small Tariff
CRHR	California Register of Historical Resources
CRPC	Consolidated Reservoir and Power Company
CSS	coastal sage scrub
CSUSB	California State University, San Bernardino
CUPA	Certified Unified Program Agency
CVAG	Coachella Valley Association of Governments
CVC	California Vehicle Code
CVCC	Coachella Valley Conservation Commission
CV-MSHCP	Coachella Valley Multiple Species Habitat Conservation Plan
CVSIP	Coachella Valley PM_{10} State Implementation Plan
CVWD	Coachella Valley Water District
CWA	Federal Clean Water Act

dB	decibels
dBA	A-weighted decibels
DBCP	dibromochloropropane
DFA	Development Focus Area
DOGGR	Division of Oil, Gas, and Geothermal Resources
DRECP	Desert Renewable Energy Conservation Plan
DTSC	California Department of Toxic Substances Control
DWA	Desert Water Agency
DWR	State Department of Water Resources
e.g.	*exempli gratia*, for example
EDR	Environmental Data Resources, Inc.
EFZ	Earthquake Fault Zone
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMS	Energy Management System
EMT	emergency medical technician
EO	Executive Order
EOC	Emergency Operation Center
EOP	Emergency Operation Plan
EPA	United States Environmental Protection Agency
EPRI	Electric Power Research Institute
ERMA	Extensive Recreation Management Area
ERNS	Emergency Response Notification System
EVWD	East Valley Water District
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FED	Functional Equivalent Document
FEMA	Federal Emergency Management Agency

FERC	Federal Energy Regulatory Commission
FESA	Federal Endangered Species Act
FHSZ	Fire Hazard Severity Zone
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FLPMA	Federal Land Policy Management Act
FMMP	Farmland Mapping and Monitoring Program
FPPA	Farmland Protection Policy Act
FRC	Fault Return Conductor
FRP	Facility Response Plan
GCC	Grid Control Center
GHG	greenhouse gas
GIA	Generator Interconnection Agreement
GO	General Order
gpd	gallons per day
GPS	global positioning system
GWP	global warming potential
HAER	Historic American Engineering Record
HANS	Habitat Evaluation and Acquisition Negotiation Strategy
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HMMP	Habitat Mitigation and Monitoring Plan
HMTA	Hazardous Materials Transportation Act
HSC	Health and Safety Code
HSWA	Hazardous and Solid Waste Act
I-	Interstate
i.e.	*id est*, that is
IA	Implementation Agreement

Ibid.	*ibidem*; a Latin word meaning "in the same place."
IEEE	Institute of Electrical and Electronic Engineers
IEPR	Integrated Energy Policy Report
IID	Imperial Irrigation District
IOU	investor-owned utility
IPCC	Intergovernmental Panel on Climate Change
KCML	thousand circular mils
KOP	Key Observation Point
kV	kilovolt
kW	kilowatt
L_{dn}	Day-Night Average Sound Level
LED	light-emitting diode
L_{eq}	Equivalent Sound Level
LGIA	Large Generator Interconnection Agreements
LHMP	Local Hazard Mitigation Plan
LLUBMC	Loma Linda University Behavioral Medicine Center
LLUCH	Loma Linda University Children's Hospital
LLUHC	Loma Linda University Health Care
LLUMC	Loma Linda University Medical Center
L_{max}	Maximum Noise Level during a measurement period or noise event
L_{min}	Minimum Noise Level during a measurement period or noise event
LOS	level of service
LSD	low-sulfur diesel
LST	lattice steel tower
LUP	Linear Underground/Overhead Projects
LWS	lightweight steel
MBTA	Migratory Bird Treaty Act
MDAB	Mojave Desert Air Basin

MEER	mechanical electrical equipment room
Metropolitan	Metropolitan Water District of Southern California
mm	millimeter
MMT	million metric tons
$MMTCO_2e$	MMT of carbon dioxide equivalent
Morongo	Morongo Band of Mission Indians
MRZ	Mineral Resource Zone
MSA	metropolitan statistical area
MSDS	Material Safety Data Sheet
MT	metric tons
MW	megawatt
MWD	Municipal Water District
mya	million years ago
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NCCP	Natural Community Conservation Plan
NEPA	National Environmental Policy Act
NEPSSA	Narrow Endemic Plant Species Survey Area
NERC	North American Electric Reliability Corporation
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NFRAP	No Further Remedial Action Planned
NHPA	National Historic Preservation Act
NISC	National Invasive Species Council
NO	nitric oxide
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen

NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPPA	Native Plant Protection Act
NPS	National Park Service
NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places
O&M	Operation and Maintenance
O_3	ozone
OA	Operational Area
OES	Office of Emergency Services
OHGW	overhead ground wire
OHP	Office of Historic Preservation
OHWM	Ordinary High Water Mark
OPGW	optical ground wire
OPLMA	Omnibus Public Land Management Act of 2009
OSHA	Occupational Safety and Health Administration
P.R.C.	Public Resources Code
P-C	Production-Consumption
PCE	perchloroethylene
PCE	passenger car equivalent
PEA	Proponent's Environmental Assessment
PEIS	Programmatic Environmental Impact Statement
PFYC	Potential Fossil Yield Classification
PGA	peak ground acceleration
PLC	Programmable Logic Controller
PM_{10}	Particulate matter less than 10 microns in diameter
$PM_{2.5}$	Particulate matter less than 2.5 microns in diameter
POTW	publicly owned treatment works

PPA	Power Purchase Agreement
PPV	peak particle velocity
PQP	Public/Quasi-Public
PRD	Permit Registration Document
PRMP	Paleontological Resources Management Plan
PRPA	Paleontological Resources Preservation Act
PRSM	Paleontological Resources Sensitivity Map
PRTP	Paleontological Resources Treatment Plan
PSE	Participating Special Entity
PSP	Palm Springs International Airport
PVC	polyvinyl chloride
RAS	Remedial Action Scheme
RCA	Regional Conservation Authority
RCNM	Roadway Construction Noise Model
RCRA	Resource Conservation and Recovery Act
RCRA-SQG	Resource Conservation and Recovery Act – Small Quantity Generator
REAT	Renewable Energy Action Team
REMAP	Riverside Extended Mountainous Area Plan
RETI	Renewable Energy Transmission Initiative
RFI	Request For Information
RMP	Resource Management Plan
RMS	root mean square
ROC	reactive organic compound
ROG	reactive organic gas
ROW	right-of-way
RPS	Renewable Portfolio Standard
RPW	Relatively Permanent Water
RV	recreational vehicle

RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SARA	Superfund Amendments and Reauthorization Act
SAS	Substation Automation System
SB	Senate Bill
SBAIC	San Bernardino Archaeological Information Center
SBCFD	San Bernardino County Fire Department
SBIA	San Bernardino International Airport
SBMWD	San Bernardino Municipal Water Department
SBVC	San Bernardino Valley College
SBVMWD	San Bernardino Valley Municipal Water District
SBWRP	San Bernardino Water Reclamation Plant
SCAB	South Coast Air Basin
SCADA	Supervisory Control and Data Acquisition
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SEZ	Solar Energy Zone
SF_6	sulfur hexafluoride
SGPC	San Gorgonio Power Company
SGPWA	San Gorgonio Pass Water Agency
SHPO	State Historic Preservation Officers
SIP	State Implementation Plan
SMARA	Surface Mining and Reclamation Act
SMART	Storm Water Multiple Applications and Report Tracking System
SMWC	South Mesa Water Company
SO	Substation Operator
SO_2	sulfur dioxide

SOI	Sphere of Influence
SOS	Substation Operations Supervisor
SO_X	Oxides of sulfur
SP	Southern Pacific
SPCC	Spill Prevention Control and Countermeasure
SPS	Special Protection System
SR	State Route
SRA	Sensitive Receptor Area
SRMA	Special Recreation Management Area
SSAB	Salton Sea Air Basin
SSURGO	Soil Survey Geographic
SWEEPS	State Environmental Evaluation and Planning System
SWIS	Solid Waste Information System
SWLF	Solid Waste Landfill
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCE	trichloroethylene
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TNW	traditional navigable water
TPP	Transmission Planning Process
TSD	Treatment, Storage and Disposal
TSP	tubular steel pole
U.S.C.	United States Code
UBC	Uniform Building Code
ULSD	ultra-low sulfur diesel
UPRR	Union Pacific Railroad

USA	Underground Service Alert
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UST	underground storage tank
VdB	vibration velocity decibel
VMT	vehicle miles traveled
VOC	volatile organic compound
VRI	Visual Resource Inventory
VRM	Visual Resource Management
WASC	Western Association of Schools and Colleges
WDR	Waste Discharge Requirement
WDS	Water Discharge System
WEAP	Worker Environmental Awareness Plan
WECC	Western Electricity Coordinating Council
WOD	West of Devers Upgrade Project
WRI	Wildlife Research Institute, Inc.
WR-MSHCP	Western Riverside County Multiple Species Habitat Conservation Plan
WWII	World War II
YVWD	Yucaipa Valley Water District