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Utilities Commission

Draft Environmental Impact Report NextEra Energy Transmission West's Proposed Suncrest Dynamic Reactive Power Support Project

Volume 1 - Main Body

November 2016
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Volume 1 – Main Body

CALIFORNIA PUBLIC UTILITIES COMMISSION

**NextEra Energy Transmission West's
Proposed Suncrest Dynamic Reactive Power
Support Project**

SCH #2016011004

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California Public Utilities Commission

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22 **Acronyms and Abbreviations - Volume 1**

23	AB	Assembly Bill
24	AC	alternating current
25	ACHP	Advisory Council on Historic Preservation
26	A.D.	Anno Domini
27	ADT	average daily traffic
28	AF	acre-feet
29	AFY	acre-feet per year
30	AGR	Agricultural Supply
31	APLIC	Avian Power Line Interaction Committee
32	APM	Applicant proposed measure
33	APN	assessor's parcel number
34	AQUA	Aquaculture
35	AST	above-ground storage tank
36	AUSD	Alpine Unified School District
37		
38	BACT	best available control technology
39	B.C.	Before Christ
40	bgs	below ground surface
41	BIOL	Preservation of Biological Habitats of Special Significance
42	BLM	Bureau of Land Management
43	BMPs	best management practices
44	B.P.	Before Present
45		
46	CAA	Clean Air Act
47	CAAQS	California Ambient Air Quality Standards
48	CCAA	California Clean Air Act of 1988

1	CAISO	California Independent Service Operator
2	CalARP	California Accidental Release Program
3	Cal. Code Regs.	California Code of Regulations
4	CalEEMod	California Emissions Estimator Model
5	Cal EMA	California Emergency Management Agency
6	CalEPA	California Environmental Protection Agency
7	CAL FIRE	California Department of Forestry and Fire Protection
8	Cal OES	California Governor's Office of Emergency Services
9	Cal/OSHA	California Department of Industrial Relations, Division of
10		Occupational Safety and Health
11	CalRecycle	California Department of Resources Recovery and Recycling
12	Caltrans	California Department of Transportation
13	CAPCOA	California Air Pollution Control Officers Association
14	CARB	California Air Resources Board
15	CBC	California Building Standards Code
16	CCCC	California Climate Change Center
17	CCR	California Code of Regulations
18	CDC	Centers for Disease Control
19	CDOC	California Department of Conservation
20	CDFG	California Department of Fish and Game
21	CDFW	California Department of Fish and Wildlife
22	CDPH	California Department of Public Health
23	CEC	California Energy Commission
24	CEQA	California Environmental Quality Act of 1970, as amended
25	CERCLA	Comprehensive Environmental Response, Compensation, and
26		Liability Act (also known as the Superfund Act)
27	CESA	California Endangered Species Act
28	CFPP	Construction Fire Prevention Plan
29	CFR	Code of Federal Regulations
30	CGS	California Geological Survey
31	CH ₄	methane
32	CHP	California Highway Patrol
33	CHRIS	California Historical Resources Information System
34	CI	<i>Coccidioides immitis</i>
35	CIAP	California Indian Assistance Program
36	CIWMA	California Integrated Waste Management Act
37	CIWMB	California Integrated Waste Management Board
38	CNDDB	California Natural Diversity Database
39	CNEL	Community Noise Equivalent Level
40	CNF	Cleveland National Forest
41	CNPS	California Native Plant Society
42	CO	carbon monoxide
43	CO _{2e}	carbon dioxide equivalents
44	COLD	Cold Freshwater Habitat
45	COMM	Commercial and Sport Fishing
46	County	County of San Diego
47	County Fire Authority	San Diego County Fire Authority
48	CPCN	Certificate of Public Convenience and Necessity
49	CPUC	California Public Utilities Commission
50	CRHR	California Register of Historical Resources

1	CUPAs	Certified Unified Program Agencies
2	CVC	California Vehicle Code
3	CWA	Clean Water Act
4	cy	cubic yards
5		
6	dB	decibel
7	dBA	A-weighted decibel
8	DEIR	draft environmental impact report
9	DG	decomposed granite
10	DHS	California Department of Health Services
11	DOORS	Diesel Off-Road Online Reporting
12	DPM	diesel particulate matter
13	DTSC	California Department of Toxic Substances Control
14	DWR	California Department of Water Resources
15		
16	EI	expansion index
17	EIR	environmental impact report
18	EIS	environmental impact statement
19	ELF	extremely low frequency
20	EMF	electric and magnetic fields
21	EMS	Energy Management System
22	ESA	Endangered Species Act
23	ESA	Environmental Site Assessment
24	EST	Estuarine Habitat
25		
26	FAA	Federal Aviation Administration
27	Farmland	Prime Farmland, Unique Farmland, or Farmland of Statewide
28		Importance
29	FCI	Forest Conservation Initiative
30	FEMA	Federal Emergency Management Agency
31	FHWA	Federal Highway Administration
32	FMP	Field Management Plan
33	FMMP	Farmland Mapping and Monitoring Program
34	FPP	Fire Protection Plan
35	FRSH	Freshwater Replenishment
36	FTA	Federal Transit Administration
37		
38	GHG	greenhouse gas
39	gigahertz	billion Hertz
40	G.O.	General Order
41	GWP	Global Warming Potential
42	GWR	Ground Water Recharge
43		
44	HAZCOM	Hazardous Materials Communication
45	HCP	Habitat Conservation Plan
46	HFCs	hydrofluorocarbons
47	HMMP	habitat mitigation and monitoring plan
48	HMP	San Diego County Multi-Jurisdictional Hazard Mitigation Plan
49	HMWMP	Hazardous Materials and Waste Management Plan
50	hp	horsepower

1	HR	hydrologic region
2	HAS	hydrologic subarea
3	HU	hydrologic unit
4	HVAC	heating, ventilation, and air conditioning
5	Hz	Hertz
6		
7	I-8	Interstate 8
8	IARC	International Agency for Research on Cancer
9	IBC	International Building Code
10	ICBO	International Conference of Building Officials
11	ICCP	Inter-Control Center Communications Protocol
12	IGBT	Insulated-gate bipolar transistor
13	IND	Industrial Service Supply
14	IPaC	Information for Planning and Conservation
15	IPCC	Intergovernmental Panel on Climate Change
16	IRPA/INIRC	International Radiation Protection Association/International Non-Ionizing Radiation Committee
17		
18		
19	JD	jurisdictional wetland delineation
20		
21	kcmil	one thousand circular mils
22	KOP	key observation point
23	kW	kilowatt
24	kV	kilovolt
25	kV/m	kilovolt per meter
26		
27	LACPH	Los Angeles County Department of Public Health
28	L _{dn}	energy average of the A weighted sound levels occurring during a 24-hour period
29		
30	L _{eq}	equivalent steady-state sound level
31	L _{max}	maximum sound level measured during a given measurement period
32	L _{min}	minimum sound level measured during a given measurement period
33	LOS	level of service
34		
35	MAR	Marine Habitat
36	MBTA	Migratory Bird Treaty Act
37	megavar	one million vars
38	MEP	maximum extent practicable
39	mG	milliGauss
40	MGD	million gallons per day
41	MIGR	Migration of Aquatic Organisms
42	MLD	Most Likely Descendant
43	MMI	Modified Mercalli Index
44	mph	miles per hour
45	MRZ	Mineral Resource Zone
46	MS4	municipal separate storm sewer system
47	MSCP	Multiple Species Conservation Program
48	MSE	Mechanically Stabilized Earth
49	msl	mean sea level
50	MTCO _{2e}	metric tons of carbon dioxide equivalents

1	MUN	Municipal and Domestic Supply
2	MVAR	megavolt amperes reactive
3	MW	megawatts
4	MWD	Metropolitan Water District of Southern California
5		
6	NAAQS	National Ambient Air Quality Standards
7	NAHC	Native American Heritage Commission
8	NAV	Navigation
9	NCCP	Natural Community Conservation Plan
10	NEET West	NextEra Energy Transmission West, LLC
11	NEHRP	National Earthquake Hazards Reduction Program
12	NERC	North American Electric Reliability Corporation
13	NEPA	National Environmental Policy Act
14	NESC	National Electric Safety Code
15	NHPA	National Historic Preservation Act
16	NIEHS	National Institute of Environmental Health Sciences
17	NIST	National Institute of Standards and Technology
18	NMFS	National Marine Fisheries Service
19	NOAA	National Oceanic and Atmospheric Association
20	NOP	Notice of Preparation
21	NO ₂	nitrogen dioxide
22	NO _x	nitrogen oxides
23	NPDES	National Pollutant Discharge Elimination System
24	NPPA	Native Plant Protection Act of 1977
25	NRC	National Research Council
26	NRCS	Natural Resources Conservation Service
27	NRHP	National Register of Historic Places
28	NSF	National Science Foundation
29		
30	O ₃	ozone
31	O&M	operations and maintenance
32	OEHHA	[California] Office of Environmental Health Hazard Assessment
33	OES	San Diego County Office of Emergency Services
34	OHWM	ordinary high water mark
35	OPGW	optical ground wire
36	OSHA	Occupational Safety and Health Administration
37		
38	PCBs	polychlorinated biphenyls
39	PDMWD	Padre Dam Municipal Water District
40	PEA	Proponent's Environmental Assessment
41	PERP	Portable Equipment Registration Program
42	PFCs	perfluorocarbons
43	PGA	peak ground acceleration
44	PM	particulate matter
45	PM _{2.5}	particulate matter of aerodynamic radius of 2.5 micrometers or less
46	PM ₁₀	particulate matter of aerodynamic radius of 10 micrometers or less
47	POW	Hydropower Generation
48	ppm	parts per million
49	PPV	peak particle velocity
50	PROC	Industrial Process Supply

1	Proposed Project	NextEra Energy Transmission West Suncrest Dynamic Reactive
2		Power Support Project
3	PSHA	Probabilistic Seismic Hazard Assessment
4	PUC	Public Utilities Code
5	PVC	polyvinyl chloride
6		
7	RARE	Rare, Threatened, or Endangered Species
8	RCA	Resource Conservation Area
9	RCRA	Resource Conservation and Recovery Act of 1976
10	REC1	Contact Water Recreation
11	REC2	Non-contact Water Recreation
12	RHNA	Regional Housing Needs Assessment
13	RL-40	Rural Lands-40
14	RL-80	Rural Lands-80
15	RMP	risk management plan
16	rms	root-mean-square
17	ROW	right-of-way
18	RPO	Resource Protection Ordinance
19	RPS	Renewable Portfolio Standard
20	RTP	Regional Transportation Plan
21	RWQCB	Regional Water Quality Control Board
22		
23	SANDAG	San Diego Association of Governments
24	SB	Senate Bill
25	SCADA	supervisory control and data acquisition
26	SCEDC	Southern California Earthquake Data Center
27	SDAB	San Diego Air Basin
28	SDAPCD	San Diego Air Pollution Control District
29	SDCFA	San Diego County Fire Authority
30	SDCOE	San Diego County Office of Education
31	SDCWA	San Diego County Water Authority
32	SDG&E	San Diego Gas & Electric
33	SDNHM	San Diego Natural History Museum
34	SDRWQCB	San Diego Regional Water Quality Control Board
35	SF ₆	sulfur hexafluoride
36	SHELL	Shellfish Harvesting
37	SLT	screening-level threshold
38	SMARA	Surface Mining and Reclamation Act of 1975
39	SONGS	San Onofre Nuclear Generating Station
40	SO ₂	sulfur dioxide
41	SPCC	Spill Prevention, Control, and Countermeasure
42	SPWN	Spawning, Reproduction, and/or Early Development
43	SR	State Route
44	Storm Water Strategy	Strategy to Optimize Resource Management of Storm Water
45	SVC	Static VAR compensator
46	SWCA	SWCA Environmental Consultants, Inc.
47	SWPPP	stormwater pollution prevention plan
48	SWRCB	State Water Resources Control Board
49		
50	TAC	toxic air contaminant

1	TCP	Traffic Control Plan
2	TCR	tribal cultural resource
3	TDS	total dissolved solids
4	TMDL	Total Maximum Daily Load
5		
6	USACE	U.S. Army Corps of Engineers
7	USC	U.S. Code
8	USDA	U.S. Department of Agriculture
9	USEPA	U.S. Environmental Protection Agency
10	USFS	U.S. Forest Service
11	USFWS	U.S. Fish and Wildlife Service
12	USGS	U.S. Geological Survey
13	UWMP	urban water management plan
14		
15	var	volt-ampere reactive
16	VdB	vibration decibel
17	VOC	volatile organic compound
18		
19	WARM	Warm Freshwater Habitat
20	WHO	World Health Organization
21	WILD	Wildlife Habitat
22	WPO	Watershed Protection, Stormwater Management, and Discharge
23		Control Ordinance
24	WQC	Water Quality Certification
25	WRCC	Western Regional Climate Center
26	WRF	Water Reclamation Facility
27		
28	°F	degrees Fahrenheit
29	µg/m ³	micrograms per cubic meter
30	µT	microtesla

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