

# SOUTHERN CALIFORNIA EDISON COMPANY

## Transmission/Distribution ISO Facilities Study

12-31-2017 Facilities

Exhibit SCE-29

TO2019A

WP-Schedule 7

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### Transmission

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
<b>Land (Substation and Line)</b>				
350	\$343,195,020	\$343,195,020	\$252,777,321	73.65%
<b>Substation</b>				
352	879,621,910	879,621,910	569,698,023	64.77%
353	5,902,949,228	5,902,949,228	3,409,447,774	57.76%
<b>Total Substation</b>	6,782,571,138	6,782,571,138	3,979,145,796	58.67%
<b>Lines</b>				
354	2,343,145,352	2,343,145,352	2,283,380,922	97.45%
355	1,292,702,467	1,292,702,467	364,424,080	28.19%
356	1,524,531,167	1,524,531,167	1,245,933,686	81.73%
357	256,348,021	256,348,021	190,222,489	74.20%
358	376,710,004	376,710,004	84,920,374	22.54%
359	193,773,411	193,773,411	172,640,885	89.09%
<b>Total Lines</b>	5,987,210,422	5,987,210,422	4,341,522,436	72.51%
<b>Total Transmission</b>	<b>\$13,112,976,581</b>	<b>\$13,112,976,580</b>	<b>\$8,573,445,553</b>	<b>65.38%</b>

### Distribution

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
<b>Land:</b>				
360	\$125,242,449	\$125,242,449	-	0.00%
<b>Structures:</b>				
361	644,469,720	644,469,720	-	0.00%
362	2,539,477,720	2,539,477,720	-	0.00%
<b>Total Structures</b>	3,183,947,440	3,183,947,440	-	0.00%
<b>Total Distribution</b>	<b>\$3,309,189,889</b>	<b>\$3,309,189,889</b>	<b>-</b>	<b>0.00%</b>
<b>Total Transmission &amp; Distribution</b>	<b>\$16,422,166,469</b>	<b>\$16,422,166,469</b>	<b>\$8,573,445,553</b>	<b>52.21%</b>

# Southern California Edison Company

Summary of ISO Facility Gross Plant  
High/Low Voltage Split  
12-31-2017 Facilities  
(\$)

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Total ISO Plant				Gross ISO Plant Split into High Voltage, Low Voltage, and Transformers that Straddle HV/LV				
ISO Transmission and Distributi	Total ISO Gross Plant	Land	Structures	Land HV	Land LV	Structures HV	Structures LV	Transformers HV/LV
<b>Transmission Lines:</b>								
1000 kV T Lines	61,259,170	-	61,259,170	-	-	61,259,170	-	-
500 kV T Lines	2,571,479,558	124,348,824	2,447,130,735	124,348,824	-	2,447,130,735	-	-
230 kV T Lines	1,823,833,078	82,954,753	1,740,878,326	82,954,753	-	1,740,878,326	-	-
161 kV T Lines	3,097,241	33,310	3,063,931	-	33,310	-	3,063,931	-
115 kV T Lines	81,332,843	5,167,942	76,164,901	-	5,167,942	-	76,164,901	-
66 kV T Lines	13,347,239	321,865	13,025,374	-	321,865	-	13,025,374	-
55 kV T Lines	-	-	-	-	-	-	-	-
<b>Total Transmission Lines</b>	<b>4,554,349,130</b>	<b>212,826,694</b>	<b>4,341,522,436</b>	<b>207,303,577</b>	<b>5,523,117</b>	<b>4,249,268,230</b>	<b>92,254,206</b>	<b>-</b>
<b>Substations:</b>								
High Voltage Substations (750 kV, 500kV, 220kV)	3,527,998,671	39,632,449	3,488,366,223	39,632,449	-	3,488,366,223	-	-
<b>Straddle Substations:</b>								
Antelope	209,695,967	21,982	209,673,985	19,421	2,561	176,379,802	23,258,690	10,035,494
Bailey	39,819,655	111,063	39,708,592	58,090	52,973	17,859,405	16,336,021	5,513,166
Eagle Mountain	1,554,461	-	1,554,461	-	-	1,401,994	152,105	362
Kramer	42,563,133	38,292	42,524,841	25,807	12,486	19,632,334	9,498,427	13,394,080
Ivanpah	46,166,560	-	46,166,560	-	-	18,825,441	21,782,893	5,558,227
Victor	109,763,157	19,567	109,743,590	7,187	12,380	33,230,984	57,242,051	19,270,555
<b>Total Straddle Substations</b>	<b>449,562,934</b>	<b>190,905</b>	<b>449,372,030</b>	<b>110,505</b>	<b>80,400</b>	<b>267,329,959</b>	<b>128,270,187</b>	<b>53,771,884</b>
Low Voltage Substations (Less Than 220kV)	41,534,818	127,274	41,407,544.09	-	127,274	-	41,407,544	-
<b>Total Substations</b>	<b>4,019,096,424</b>	<b>39,950,627</b>	<b>3,979,145,797</b>	<b>39,742,953</b>	<b>207,674</b>	<b>3,755,696,182</b>	<b>169,677,731</b>	<b>53,771,884</b>
<b>Total Lines and Substations</b>	<b>8,573,445,553</b>	<b>252,777,321</b>	<b>8,320,668,232</b>	<b>247,046,530</b>	<b>5,730,791</b>	<b>8,004,964,412</b>	<b>261,931,936</b>	<b>53,771,884</b>
Plant Total by Account	8,573,445,553	252,777,321	8,320,668,232					
	-	-	0					

Determination of High Voltage/Low Voltage Gross Plant Percentage of SCE ISO Transmission Facilities  
Gross Plant Percentage Determined Pursuant to ISO Tariff Section 12

Gross Plant that can be determined HV/LV	High Voltage	Low Voltage	Total
Land	247,046,530	5,730,791	252,777,321
Structures	8,004,964,412	261,931,936	8,266,896,348
Total Determined HV/LV	8,252,010,942	267,662,727	8,519,673,669
Percentage:	96.86%	3.14%	100.00%
Transformers	52,082,532	1,689,352	53,771,884
<b>Total HV &amp; LV Gross Plant</b>	<b>8,304,093,474</b>	<b>269,352,079</b>	<b>8,573,445,553</b>

**Southern California Edison Company**  
Summary of ISO Facility Gross Plant  
High/Low Voltage Mix Summary  
12-31-2017 Facilities  
(\$)

Facility:	Location #	Land HV	Land LV	Structures HV	Structures LV	Transformers HV/LV	Total
<b>220 kV Substations</b>							
Antelope	5052	19,421	2,561	176,379,802	23,258,690	10,035,494	<b>209,695,967</b>
Bailey	5059	58,090	52,973	17,859,405	16,336,021	5,513,166	<b>39,819,655</b>
Eagle Mountain	5040	-	-	1,401,994	152,105	362	<b>1,554,461</b>
Ivanpah	8363	-	-	18,825,441	21,782,893	5,558,227	<b>46,166,560</b>
Kramer	5042 & 8046	25,807	12,486	19,632,334	9,498,427	13,394,080	<b>42,563,133</b>
Victor	8049	7,187	12,380	33,230,984	57,242,051	19,270,555	<b>109,763,157</b>
<b>Total Straddle Stations</b>		<b>110,505</b>	<b>80,400</b>	<b>267,329,959</b>	<b>128,270,187</b>	<b>53,771,884</b>	<b>449,562,934</b>

## SOUTHERN CALIFORNIA EDISON COMPANY

### Transmission/Distribution ISO Facilities Study

12-31-2017 Facilities

2017 Year-End				2016 Year-End			Delta		
Transmission	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total
<b>Land (Substation and Line)</b>									
350	343,195,020	252,777,321	73.7%	338,945,967	252,172,630	74.4%	4,249,054	604,690	-0.7%
<b>Substation</b>									
352	879,621,910	569,698,023	64.8%	825,778,508	531,582,611	64.4%	53,843,402	38,115,412	0.4%
353	5,902,949,228	3,409,447,774	57.8%	5,586,246,880	3,249,175,449	58.2%	316,702,348	160,272,325	-0.4%
<b>Total Substation</b>	6,782,571,138	3,979,145,796	58.7%	6,412,025,388	3,780,758,060	59.0%	370,545,751	198,387,737	-0.3%
<b>Lines</b>									
354	\$2,343,145,352	2,283,380,922	97.4%	2,305,498,227	2,233,991,232	96.9%	37,647,125	49,389,689	0.6%
355	1,292,702,467	364,424,080	28.2%	1,158,164,968	324,258,228	28.0%	134,537,499	40,165,853	0.2%
356	1,524,531,167	1,245,933,686	81.7%	1,499,811,258	1,235,903,790	82.4%	24,719,908	10,029,896	-0.7%
357	256,348,021	190,222,489	74.2%	253,220,290	185,508,197	73.3%	3,127,731	4,714,292	0.9%
358	376,710,004	84,920,374	22.5%	368,734,329	81,951,072	22.2%	7,975,674	2,969,302	0.3%
359	193,773,411	172,640,885	89.1%	200,535,236	182,027,087	90.8%	(6,761,825)	(9,386,202)	-1.7%
<b>Total Lines</b>	\$5,987,210,422	\$4,341,522,436	72.5%	5,785,964,308	4,243,639,605	73.3%	201,246,114	97,882,831	-0.8%
<b>Total Transmission</b>	<b>13,112,976,580</b>	<b>8,573,445,553</b>	<b>65.4%</b>	<b>12,536,935,662</b>	<b>8,276,570,295</b>	<b>66.0%</b>	<b>576,040,918</b>	<b>296,875,258</b>	<b>-0.6%</b>
Distribution	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total
<b>Land:</b>									
360	125,242,449	-	0.0%	124,672,241	-	0.0%	570,208	-	0.0%
<b>Structures:</b>									
361	644,469,720	-	0.0%	611,762,558	(0)	0.0%	32,707,162	0	0.0%
362	2,539,477,720	-	0.0%	2,397,308,356	-	0.0%	142,169,364	-	0.0%
<b>Total Structures</b>	3,183,947,440	-	0.0%	3,009,070,914	(0)	0.0%	174,876,526	0	0.0%
<b>Total Distribution</b>	<b>3,309,189,889</b>	<b>-</b>	<b>0.0%</b>	<b>3,133,743,155</b>	<b>(0)</b>	<b>0.0%</b>	<b>175,446,734</b>	<b>0</b>	<b>0.0%</b>
<b>Total Transmission &amp; Distribution</b>	<b>16,422,166,469</b>	<b>8,573,445,553</b>	<b>52.2%</b>	<b>15,670,678,817</b>	<b>8,276,570,295</b>	<b>52.8%</b>	<b>751,487,652</b>	<b>296,875,258</b>	<b>-0.6%</b>

## ISO Study Assumptions

The following assumptions have been made in completing this analysis.

### 1. Devers-Mirage System

Beginning in the 2009 CPUC GRC and the 2009 FERC rate case, the Devers-Mirage system split was assumed to be completed and all 115kV facilities transferred from ISO to non-ISO. This assumption was consistent with the plant forecast that was utilized in the cases. The physical work is complete and CAISO relinquished operational control of the Devers-Mirage 115kV system effective June 1, 2013. The facilities assumed transferred control for purposes of the Transmission Plant Study include: 220/115kV transformation at Devers and Mirage Substations, the 115kV buses at Devers and Mirage Substation, Farrell, Garnet, Eisenhower, Thornhill, Tamarisk, Santa Rosa, Indian Wells, Concho 115kV substations, and all 115kV lines interconnecting these substations that were under ISO Operational Control.

### 2. East Kern Wind Resource Area and Future Project (Antelope-Bailey System)

The 2012 Transmission Plant Study maintained the ability to adjust for the Antelope-Bailey 66kV System split as part of the EKWRA project by maintaining the EKWRA Reconfiguration Option in the Study. The EKWRA project was forecast for 2014, therefore it was assumed in the development of the Transmission Plant Study for the 2015 CPUC GRC to be completed. CAISO relinquished operational control of the Antelope-Bailey 66kV system effective December 15, 2013, but the EKWRA project's physical work was completed in early 2015. As a result of the EKWRA project the existing Antelope-Bailey will be split into three radial 66kV systems -- one radiating from Bailey, one radiating from Antelope, and a third radiating from a new 500/220/66kV Windhub substation. Post EKWRA, the Bailey-Neenach and Neenach-Antelope 66kV lines will still remain operated in parallel with the CAISO controlled 230kV lines connecting Bailey and Antelope Substations. The following substations and interconnecting 66kV lines were impacted by the EKWRA project:

Substations affected EKWRA include:

2313 Kern River 1	2313	Shift from Mixed to Non-ISO
5079 Wind Hub	5079	Shift from ISO to Mixed
5357 Cummings	5357	Shift from Mixed to Non-ISO
5358 Monolith	5358	Shift from Mixed to Non-ISO
5365 Acton	5365	Shift from Mixed to Non-ISO
5508 Del Sur	5508	Shift from Mixed to Non-ISO
5511 Goldtown	5511	Shift from Mixed to Non-ISO
5512 Gorman	5512	Shift from Mixed to Non-ISO
5514 Lancaster	5514	Shift from Mixed to Non-ISO
5518 Little Rock	5518	Shift from Mixed to Non-ISO
5522 Shuttle	5522	Shift from Mixed to Non-ISO
5530 Redman	5530	Shift from Mixed to Non-ISO
5539 Anaverde	5539	Shift from Mixed to Non-ISO
5541 Rosamond	5541	Shift from Mixed to Non-ISO
5545 Piute	5545	Shift from Mixed to Non-ISO
5547 Corum	5547	Shift from Mixed to Non-ISO
5548 Oasis	5548	Shift from Mixed to Non-ISO
5553 Cal Cement	5553	Shift from Mixed to Non-ISO
5564 Palmdale	5564	Shift from Mixed to Non-ISO
5566 Quartz Hill	5566	Shift from Mixed to Non-ISO
5599 Helijet	5599	Shift from Mixed to Non-ISO

## ISO Study Assumptions

The following assumptions have been made in completing this analysis.

8504 Ritter Ranch

8504

Shift from Mixed to Non-ISO

For purpose of the 2012 Plant Study, the study assumed that EKWRA facilities were under ISO Operational Control during 2012. This study no longer maintains the ISO to Non-ISO reconfiguration option for EKWRA.

### 3. Current FERC methodology for transformer bank circuit breakers

Pursuant to the Commission's ruling in the Whitewater case (Docket No. ER02-2189), FERC's current methodology classifies all circuit breakers that connect both ISO controlled operating buses as FERC jurisdiction (either in double breaker or breaker and half scheme). SCE has not implemented this methodology for those circuit breakers classified in the original 1998 split of the transmission system into ISO and non-ISO. This study reflects the current single-line diagram classification and the ISO register.

### 4. Classification of Distribution Plant

In the 2011 Transmission Plant Study, a more thorough review of ISO distribution plant was instituted. At all substations, unless specific distribution voltage facilities could be identified as ISO controlled, no allocation of distribution plant was made. An exception to this general rule is those substation locations where ISO facilities are clearly identifiable by review of the single line diagrams and ISO register, however only distribution plant is recorded at the location. In these cases, distribution plant will be assigned or allocated consistent with the methodology for determining substation investment.

# SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2017 Facilities

## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
BIG CREEK NO.4	2236	220kV	-	-	4,842,008	4,842,008	-	-	4,842,008	-	-	-
INYO	2570	220kV	-	287,755	4,197,276	4,485,032	-	287,755	4,197,276	-	-	-
METRO GOM MAINT	5001	500kV	-	-	47,719,606	47,719,606	-	-	47,719,606	-	-	-
HARBORGEN SUB	5019	220kV	-	18,729	3,991,930	4,010,659	-	18,729	3,991,930	-	-	-
EL SEGUNDO SWITCHRACK SUB	5026	220kV	12,470	102,005	2,245,678	2,360,153	12,470	102,005	2,245,678	-	-	-
MIDWAY SUB	5032	500kV	-	396,679	190,211	586,890	-	396,679	190,211	-	-	-
PASTORIA SUB	5036	220kV	21,435	1,279,909	13,186,655	14,488,000	21,435	1,279,909	13,186,655	-	-	-
CLWTR SWITCHRACKS 1,2	5044	115kV	-	-	1,476,690	1,476,690	-	-	1,476,690	-	-	-
MOHAVE SWITCHRACK	5045	500kV	-	3,879,581	8,435,508	12,315,090	-	3,879,581	8,435,508	-	-	-
RANCHO VISTA SUB	5047	500kV	1,844,367	22,793,802	154,023,670	178,661,839	1,844,367	22,793,802	154,023,670	-	-	-
SYLMAR SUB	5058	220kV	-	19,757	1,948,141	1,967,898	-	19,757	1,948,141	-	-	-
LUGO SUB	5061	500kV	90,983	23,115,678	145,794,754	169,001,415	90,983	23,115,678	145,794,754	-	-	-
PISGAH SUB	5065	220kV	-	97,920	3,793,106	3,891,026	-	97,920	3,793,106	-	-	-
GENE SUB	5066	220kV	-	30,050	2,169,522	2,199,572	-	-	-	-	30,050	2,169,522
WINDHUB SUB	5079	500kV	1,231,926	30,935,203	211,728,552	243,895,681	1,095,379	27,506,352	188,265,629	136,546	3,428,851	23,462,923
SERRANO SUB	5080	500kV	1,226,475	28,453,405	175,132,904	204,812,783	1,226,475	28,453,405	175,132,904	-	-	-
LEWIS SUB	5089	220kV	1,444	186,750	5,320,551	5,508,746	1,444	186,750	5,320,551	-	-	-
EL DORADO SUB(NEVADA)	5090	500kV	13,183	29,974,957	195,146,052	225,134,192	13,183	29,974,957	195,146,052	-	-	-
MEAD SUB	5091	500kV	-	-	12,306	12,306	-	-	12,306	-	-	-
MOENKOPI SUB	5092	500kV	-	-	1,516,885	1,516,885	-	-	1,516,885	-	-	-
WEST SERIES CAPACITORS	5093	500kV	-	1,782,298	45,836,052	47,618,350	-	1,782,298	45,836,052	-	-	-
EAST SERIES CAPACITORS 1	5094	500kV	-	857,212	8,328,446	9,185,658	-	857,212	8,328,446	-	-	-
PALO VERDE SWITCHRACK SUB	5097	500kV	-	47,541	6,858,680	6,906,221	-	47,541	6,858,680	-	-	-
MIDWAY-PAC INTERTIE	8932	500kV	-	162,585	13,930,693	14,093,278	-	162,585	13,930,693	-	-	-
PARDEE-PAC INTERTIE	8950	220kV	-	55,269	942,130	997,399	-	55,269	942,130	-	-	-
SYLMAR-PAC INTERTIE	8958	220kV	51,663	7,758,498	119,242,093	127,052,255	51,663	7,758,498	119,242,093	-	-	-
RP&AS,LND&ESMNT REQUIS	9219	220kV	8,633,706	45,883	-	8,679,589	8,633,706	45,883	-	-	-	-
EDISON ITAC	1451	Misc	-	-	35,855	35,855	-	-	-	-	-	35,855
SAN ONOFRE-COMMON 1,2,3	1808	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-COMMON 2,3	1809	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 1	1810	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 2	1812	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 3	1818	220kV	-	-	-	-	-	-	-	-	-	-
SONGS 2,3 SPARE PARTS	1824	220kV	-	-	-	-	-	-	-	-	-	-
SONGS COMMON 2 & 3- (INC)	1839	220kV	-	-	-	-	-	-	-	-	-	-
PALOVERDE NUCL GEN PLT-U1	1860	500kV	-	-	2,594,553	2,594,553	-	-	-	-	-	2,594,553
PALO VERDE-UNIT 2	1864	500kV	-	-	2,488,614	2,488,614	-	-	-	-	-	2,488,614
PALO VERDE-UNIT 3	1866	500kV	-	-	3,783,320	3,783,320	-	-	-	-	-	3,783,320
PALOVERDE-COMMON 1,2,3	1867	500kV	7,766	-	2,668,495	2,676,261	-	-	-	7,766	-	2,668,495
MAMMOTH POOL LAKE-FP 2085	2150	220kV	-	-	24,016	24,016	-	-	-	-	-	24,016
BIG CREEK CANYON	2202	220kV	-	-	1,641,022	1,641,022	-	-	-	-	-	1,641,022
PORTAL POWER PLANT	2237	33kV & Below	-	-	68,246	68,246	-	-	-	-	-	68,246
MAMMOTH POOL	2238	220kV	-	-	2,840,762	2,840,762	-	-	-	-	-	2,840,762
EASTWOOD POWER STATION	2239	33kV & Below	-	627,754	4,940,311	5,568,065	-	-	-	-	627,754	4,940,311
HYDRO PRODUCTION	2300	Misc	-	-	10,367	10,367	-	-	-	-	-	10,367
SNTA ANA RV&MILL CRK CNYN	2301	33kV & Below	-	-	421,924	421,924	-	-	-	-	-	421,924
LYTLE CRK&SN ANTONIO CNYN	2303	33kV & Below	-	-	140,226	140,226	-	-	-	-	-	140,226
KERN RIVER CANYON	2305	66kV	-	-	692,140	692,140	-	-	-	-	-	692,140
KAWEAH RIVER CANYON	2307	66kV	-	-	572,929	572,929	-	-	-	-	-	572,929
SAN GORGONIO CANYON	2309	33kV & Below	-	-	193,975	193,975	-	-	-	-	-	193,975
KERN RIVER NO.1	2313	66kV	-	4,184	354,262	358,446	-	-	-	-	4,184	354,262
BOREL	2314	66kV	-	1,383	259,591	260,974	-	-	-	-	1,383	259,591
SANTA ANA NO.1	2315	33kV & Below	-	-	36,406	36,406	-	-	-	-	-	36,406
SANTA ANA NO.3	2317	33kV & Below	-	-	14,930	14,930	-	-	-	-	-	14,930
MILL CREEK NO.1	2318	33kV & Below	1,464	-	7,316	8,780	-	-	-	1,464	-	7,316
MILL CREEK NO.2&3	2319	33kV & Below	-	-	52,080	52,080	-	-	-	-	-	52,080
KAWEAH NO.1	2324	66kV	-	-	48,507	48,507	-	-	-	-	-	48,507
KAWEAH NO.2	2325	66kV	-	2,694	49,126	51,820	-	-	-	-	2,694	49,126
KAWEAH NO.3	2326	66kV	-	-	57,269	57,269	-	-	-	-	-	57,269
LOWER TULE RIVER	2327	66kV	-	-	50,834	50,834	-	-	-	-	-	50,834
KERN RIVER NO.3	2328	66kV	-	-	508,392	508,392	-	-	-	-	-	508,392
ONTARIO NO.1	2331	66kV	-	-	205,914	205,914	-	-	-	-	-	205,914
EASTERN HYDRO REGION	2500	55kV	-	7,254	310,778	318,032	-	-	-	-	7,254	310,778
BISHOP CREEK CANYON	2501	33kV & Below	-	-	697,220	697,220	-	-	-	-	-	697,220
MONO BASIN	2503	115kV	-	-	196,344	196,344	-	-	-	-	-	196,344
Lundy	2560 & 2510	55kV	-	317,627	5,816,830	6,134,457	-	-	-	-	317,627	5,816,830
POOLE	2512	33kV & Below	-	-	120,052	120,052	-	-	-	-	-	120,052
RUSH CREEK	2514	115kV	-	-	175,912	175,912	-	-	-	-	-	175,912
BISHOP CREEK NO.2	2522	55kV	-	-	80,487	80,487	-	-	-	-	-	80,487

# SOUTHERN CALIFORNIA EDISON COMPANY

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## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
BISHOP CREEK NO.3	2523	33kV & Below	-	-	1,841,377	1,841,377	-	-	-	-	-	1,841,377
BISHOP CREEK NO.4	2524	33kV & Below	-	-	88,569	88,569	-	-	-	-	-	88,569
BISHOP CREEK NO.5	2525	33kV & Below	-	-	43,037	43,037	-	-	-	-	-	43,037
BISHOP CREEK NO.6	2526	33kV & Below	-	-	39,098	39,098	-	-	-	-	-	39,098
FISH LAKE VALLEY METERING	2553	55kV	-	1,343	12,150	13,493	-	-	-	-	1,343	12,150
CASA DIABLO	2557	115kV	2,119	290,687	4,325,913	4,618,719	-	-	-	2,119	290,687	4,325,913
LEE VINING	2561	115kV	344	261,722	2,099,225	2,361,291	-	-	-	344	261,722	2,099,225
SHERWIN	2571	115kV	-	100,772	1,168,976	1,269,748	-	-	-	-	100,772	1,168,976
ZACK	2582	55kV	400,881	-	655,406	1,056,287	-	-	-	400,881	-	655,406
MT. TOM	2598	55kV	-	-	(230)	(230)	-	-	-	-	-	(230)
MINARET	2612	33kV & Below	-	-	-	-	-	-	-	-	-	-
DAF INDAL 500KW WND TURBN	3717	33kV & Below	714	-	-	714	-	-	-	714	-	-
LEBEC SUBSTATION	5016	220kV	-	-	15,138	15,138	-	-	-	-	-	15,138
ARCOGEN SUB	5022	220kV	-	-	963,824	963,824	-	-	-	-	-	963,824
CLWTR SWITCHRACK 3,4 SUB	5046	220kV	48,136	156,227	3,179,929	3,384,292	-	-	-	48,136	156,227	3,179,929
ORMOND BCH SWITCHRACK SUB	5049	220kV	158,170	34,483	5,924,405	6,117,058	-	-	-	158,170	34,483	5,924,405
SAUGUS SUB	5051	66kV	13,373	3,072,675	63,452,641	66,538,689	-	-	-	13,373	3,072,675	63,452,641
CAMINO SUB	5068	220kV	-	12,697	4,017,494	4,030,191	-	-	-	-	12,697	4,017,494
VELASCO SUB	5072	220kV	-	-	155,442	155,442	-	-	-	-	-	155,442
HUNTINGTON BCH SWITCHRCK	5078	220kV	21,660	70,925	4,891,312	4,983,897	-	-	-	21,660	70,925	4,891,312
TRITON SUB	5095	115kV	2,415,092	2,377,671	26,468,859	31,261,622	-	-	-	2,415,092	2,377,671	26,468,859
ALHAMBRA SUB	5101	66kV	-	83,447	3,061,167	3,144,615	-	-	-	-	83,447	3,061,167
BANDINI SUB	5107	66kV	4,583	16,136	-	20,718	-	-	-	4,583	16,136	-
BICKNELL SUB	5109	33kV & Below	-	-	2,451	2,451	-	-	-	-	-	2,451
WABASH (NEW) SUB	5110	66kV	-	24,360	-	24,360	-	-	-	-	24,360	-
THUMSGEN SUBSTATION	5112	66kV	-	-	2,049	2,049	-	-	-	-	-	2,049
RUSH SUB	5116	66kV	-	-	6,165	6,165	-	-	-	-	-	6,165
FEDERALGEN SUB	5120	66kV	-	6,944	-	6,944	-	-	-	-	6,944	-
MONROVIA SUB	5134	33kV & Below	-	-	-	-	-	-	-	-	-	-
GENAMIC SUB	5139	66kV	-	5,739	-	5,739	-	-	-	-	5,739	-
ROSEMEAD SUB	5141	66kV	-	38,757	22	38,779	-	-	-	-	38,757	22
DUARTE SUB	5150	33kV & Below	-	-	-	-	-	-	-	-	-	-
JOSE SUB	5152	66kV	-	56,769	3,887	60,656	-	-	-	-	56,769	3,887
ARROYO SUB	5158	66kV	-	-	123	123	-	-	-	-	-	123
AMADOR SUB	5161	66kV	-	-	(47,687)	(47,687)	-	-	-	-	-	(47,687)
FAIR OAKS SUB	5162	33kV & Below	-	-	17,195	17,195	-	-	-	-	-	17,195
REPETTO SUB	5164	66kV	-	17,757	-	17,757	-	-	-	-	17,757	-
JPL SUB	5165	66kV	-	-	3,666	3,666	-	-	-	-	-	3,666
MAYFLOWER SUB	5167	33kV & Below	-	-	91,972	91,972	-	-	-	-	-	91,972
TEMPLE SUB	5170	33kV & Below	-	-	17,367	17,367	-	-	-	-	-	17,367
VAIL SUB	5175	66kV	-	15,470	-	15,470	-	-	-	-	15,470	-
KIMBALL SUBSTATION	5176	66kV	-	-	-	-	-	-	-	-	-	-
KIRK WALL SUBSTATION	5178	66kV	3,995	-	-	3,995	-	-	-	3,995	-	-
RAVENDALE SUB	5179	66kV	-	11,112	-	11,112	-	-	-	-	11,112	-
CITRUS SUB	5185	66kV	-	-	37,984	37,984	-	-	-	-	-	37,984
CORTEZ SUB	5186	66kV	-	16,955	31,589	48,544	-	-	-	-	16,955	31,589
DALTON SUB	5188	66kV	-	82,794	-	82,794	-	-	-	-	82,794	-
RAILROAD SUB	5196	66kV	-	57,470	4,078	61,548	-	-	-	-	57,470	4,078
ALHAMBRA DIST SUB TRG FAC	5198	66kV	-	25,705	2,046,562	2,072,267	-	-	-	-	25,705	2,046,562
BEVERLY HILLS SUB	5201	66kV	-	-	91	91	-	-	-	-	-	91
CULVER CITY SUB	5204	66kV	-	-	-	-	-	-	-	-	-	-
SEPULVEDA SUB	5207	66kV	-	41,604	-	41,604	-	-	-	-	41,604	-
HOWARD SUB	5210	66kV	-	-	17,431	17,431	-	-	-	-	-	17,431
INGLEWOOD SUB	5211	66kV	-	15,404	-	15,404	-	-	-	-	15,404	-
LENNOX SUB	5213	66kV	-	25,054	17,794	42,848	-	-	-	-	25,054	17,794
MADRID SUB	5215	33kV & Below	-	17	-	17	-	-	-	-	17	-
OCEAN PARK SUB	5221	33kV & Below	-	126	-	126	-	-	-	-	126	-
PEARL SUB	5224	33kV & Below	-	14,955	-	14,955	-	-	-	-	14,955	-
BRIGHTON SUB	5226	66kV	-	115	-	115	-	-	-	-	115	-
MOBILOIL SUB	5229	66kV	-	111	-	111	-	-	-	-	111	-
WINDSOR HILLS SUB	5235	66kV	-	1,766	17,508	19,275	-	-	-	-	1,766	17,508
VALDEZ SUB	5236	66kV	-	-	24,710	24,710	-	-	-	-	-	24,710
LAWNDALE SUB	5238	33kV & Below	-	25,781	-	25,781	-	-	-	-	25,781	-
CRATER SUB	5239	66kV	-	-	9,057	9,057	-	-	-	-	-	9,057
YUKON SUB	5241	66kV	4,415	-	-	4,415	-	-	-	4,415	-	-
COLORADO SUB	5242	66kV	-	143	-	143	-	-	-	-	143	-
TOPANGA SUB	5243	33kV & Below	-	-	-	-	-	-	-	-	-	-
SAWTELLE SUB	5250	66kV	-	25,891	-	25,891	-	-	-	-	25,891	-
ROLLING HILLS SUB	5252	66kV	-	821	-	821	-	-	-	-	821	-



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**TRANSMISSION SUBSTATION FACILITIES**

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
BRIDGE SUB	5257	66kV	-	14,957	-	14,957	-	-	-	-	14,957	-
STIRRUP SUB	5259	33kV & Below	-	14,955	-	14,955	-	-	-	-	14,955	-
COLOSSUS SUB	5260	66kV	-	-	7,141	7,141	-	-	-	-	-	7,141
TOPAZ SUB	5268	66kV	-	886	-	886	-	-	-	-	886	-
TAHITI SUB	5271	66kV	-	390	-	390	-	-	-	-	390	-
LATIGO SUB	5272	66kV	-	-	-	-	-	-	-	-	-	-
STANHILL SUB	5273	66kV	-	-	0	0	-	-	-	-	-	0
MARYMOUNT SUB	5275	66kV	-	147	-	147	-	-	-	-	147	-
PALOGEN SUB	5282	66kV	-	1,296	-	1,296	-	-	-	-	1,296	-
BIG CREEK 2	5302	33kV & Below	-	-	(170,486)	(170,486)	-	-	-	-	-	(170,486)
DELANO SUB	5305	66kV	-	1,174	-	1,174	-	-	-	-	1,174	-
EARLIMART	5306	66kV	-	-	-	-	-	-	-	-	-	-
HAVILAH SUB	5311	66kV	-	-	-	-	-	-	-	-	-	-
LIBERTY SUB	5312	66kV	-	735	-	735	-	-	-	-	735	-
LAUREL SUB	5315	66kV	-	-	10,362,398	10,362,398	-	-	-	-	-	10,362,398
OCTOL SUB	5320	66kV	-	265	-	265	-	-	-	-	265	-
PIXLEY SUB	5321	66kV	-	364	-	364	-	-	-	-	364	-
POPLAR SUB	5322	66kV	-	-	-	-	-	-	-	-	-	-
STRATHMORE SUB	5325	66kV	-	-	14,877	14,877	-	-	-	-	-	14,877
VISALIA SUB	5331	66kV	-	696	-	696	-	-	-	-	696	-
WOODVILLE SUB	5333	66kV	-	302	74,641	74,942	-	-	-	-	302	74,641
GREENHORN SUB	5339	66kV	-	-	9,033	9,033	-	-	-	-	-	9,033
BOXWOOD SUB	5351	66kV	-	-	-	-	-	-	-	-	-	-
LINE CREEK SUB	5352	33kV & Below	-	-	9,627	9,627	-	-	-	-	-	9,627
KERNVILLE SUB	5356	66kV	-	-	-	-	-	-	-	-	-	-
RIVERWAY SUB	5374	66kV	801,825	-	-	801,825	-	-	-	801,825	-	-
MASCOT SUBSTATION	5375	66kV	573,588	-	-	573,588	-	-	-	573,588	-	-
CANWIND SUB	5405	66kV	-	-	29,390	29,390	-	-	-	-	-	29,390
ENWIND SUB	5406	66kV	-	11,023	29,526	40,549	-	-	-	-	11,023	29,526
MORWIND SUB	5409	66kV	-	-	29,273	29,273	-	-	-	-	-	29,273
FLOWIND SUB	5410	66kV	-	-	11,009	11,009	-	-	-	-	-	11,009
SILVER PEAK SUB	5412	55kV	-	-	8,036	8,036	-	-	-	-	-	8,036
DUTCHWIND SUB	5414	66kV	-	11,023	22,949	33,972	-	-	-	-	11,023	22,949
OAKWIND SUB	5415	66kV	-	-	23,342	23,342	-	-	-	-	-	23,342
MIDWIND SUB	5424	66kV	-	-	23,000	23,000	-	-	-	-	-	23,000
CASITAS SUB	5504	66kV	-	-	(251)	(251)	-	-	-	-	-	(251)
CHANNEL ISLANDS SUB	5506	66kV	-	116,483	-	116,483	-	-	-	-	116,483	-
ORTEGA SUB	5507	66kV	-	-	24,357	24,357	-	-	-	-	-	24,357
FILLMORE SUB	5510	66kV	-	5,566	-	5,566	-	-	-	-	5,566	-
MODOC SUB	5520	33kV & Below	-	-	11,630	11,630	-	-	-	-	-	11,630
OJAI SUB	5526	66kV	-	13,050	-	13,050	-	-	-	-	13,050	-
SANTA BARBARA SUB	5531	66kV	-	40,153	-	40,153	-	-	-	-	40,153	-
CHARMIN SUB	5535	66kV	-	-	27,327	27,327	-	-	-	-	-	27,327
VENTURA SUB	5538	33kV & Below	-	253,558	-	253,558	-	-	-	-	253,558	-
ELIZABETH LAKE SUB	5546	66kV	-	-	3,072	3,072	-	-	-	-	-	3,072
CORUM SUB	5547	66kV	-	-	380,255	380,255	-	-	-	-	-	380,255
NEWBURY SUB	5557	66kV	-	-	692,110	692,110	-	-	-	-	-	692,110
GRISWOLD SUB	5562	33kV & Below	-	-	1,684	1,684	-	-	-	-	-	1,684
PLAYA SUB	5565	33kV & Below	-	-	-	-	-	-	-	-	-	-
GAVIOTA SUB	5572	66kV	-	-	118,097	118,097	-	-	-	-	-	118,097
NEWHALL SUB	5576	66kV	-	-	413,118	413,118	-	-	-	-	-	413,118
POTRERO SUB	5597	66kV	-	-	-	-	-	-	-	-	-	-
RANDALL SUB	5601	66kV	-	20,403	56,150	76,552	-	-	-	-	20,403	56,150
TIMOTEO SUB	5604	66kV	-	1,760	-	1,760	-	-	-	-	1,760	-
ORANGE PRODUCTS SUB	5606	66kV	-	13,596	-	13,596	-	-	-	-	13,596	-
INLAND CONTAINER SUB	5612	66kV	-	20,750	-	20,750	-	-	-	-	20,750	-
DECLEZ SUB	5615	66kV	-	4,642	23,032	27,674	-	-	-	-	4,642	23,032
FLANCO SUB	5616	33kV & Below	-	22,342	-	22,342	-	-	-	-	22,342	-
FIREHOUSE SUB	5618	66kV	-	6,520	-	6,520	-	-	-	-	6,520	-
HUSTON SUB	5621	33kV & Below	-	45,573	-	45,573	-	-	-	-	45,573	-
PEDLEY SUB	5626	66kV	-	5,852	-	5,852	-	-	-	-	5,852	-
REDLANDS SUB	5629	66kV	-	(1,753)	21,359	19,606	-	-	-	-	(1,753)	21,359
SAN ANTONIO SUB	5631	66kV	-	-	7,606	7,606	-	-	-	-	-	7,606
SAN DIMAS SUB	5633	66kV	-	19,651	-	19,651	-	-	-	-	19,651	-
YUCAIPA SUB	5636	66kV	-	31,005	-	31,005	-	-	-	-	31,005	-
LAYFAIR SUB	5645	66kV	-	2,166	-	2,166	-	-	-	-	2,166	-
COLTON CEMENT SUB	5646	66kV	-	43,167	-	43,167	-	-	-	-	43,167	-
LINDE AIR SUB	5650	66kV	-	15,935	-	15,935	-	-	-	-	15,935	-
AMERON SUB	5652	66kV	-	-	531,131	531,131	-	-	-	-	-	531,131

# SOUTHERN CALIFORNIA EDISON COMPANY

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## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
REDUCTION SUB	5654	66kV	-	34,835	-	34,835	-	-	-	-	34,835	-
NOGALES SUB	5655	66kV	-	16,835	525,170	542,005	-	-	-	-	16,835	525,170
BAIN SUB	5656	66kV	-	704	-	704	-	-	-	-	704	-
PIPE SUB	5658	66kV	-	32,989	-	32,989	-	-	-	-	32,989	-
ARCHIBALD SUB	5659	66kV	-	-	206,393	206,393	-	-	-	-	-	206,393
RUNNING SPRINGS SUB	5661	33kV & Below	-	31,398	-	31,398	-	-	-	-	31,398	-
WIMBLEDON SUB	5664	66kV	-	1,282	17,343	18,626	-	-	-	-	1,282	17,343
ARCHLINE SUB	5667	66kV	-	12,856	-	12,856	-	-	-	-	12,856	-
CRESTMORE SUB	5668	66kV	-	14,975	-	14,975	-	-	-	-	14,975	-
DEL ROSA SUB	5670	66kV	-	-	17,327	17,327	-	-	-	-	-	17,327
WHIPPLE SUB	5674	66kV	-	8,714	-	8,714	-	-	-	-	8,714	-
LANDING SUB	5678	66kV	-	14,661	-	14,661	-	-	-	-	14,661	-
DIAMOND BAR SUB	5680	66kV	-	-	49,398	49,398	-	-	-	-	-	49,398
CUDAHY SUB	5714	66kV	-	32,033	-	32,033	-	-	-	-	32,033	-
FRUITLAND SUB	5718	66kV	-	12,712	-	12,712	-	-	-	-	12,712	-
FREEMONT SUB	5720	66kV	-	6,957	-	6,957	-	-	-	-	6,957	-
ATHENS SUBSTATION	5727	33kV & Below	-	-	-	-	-	-	-	-	-	-
NAPLES SUBSTATION	5740	33kV & Below	-	-	114,340	114,340	-	-	-	-	-	114,340
SOMERSET SUBSTATION	5754	66kV	-	33,691	-	33,691	-	-	-	-	33,691	-
WATSON SUBSTATION	5758	66kV	-	-	3,790	3,790	-	-	-	-	-	3,790
DAISY SUBSTATION	5766	33kV & Below	-	12,646	-	12,646	-	-	-	-	12,646	-
DAVIDSON CITY	5779	33kV & Below	-	6,957	-	6,957	-	-	-	-	6,957	-
HEDDA SUB	5784	33kV & Below	-	-	-	-	-	-	-	-	-	-
SOUTH GATE SUBSTATION	5787	33kV & Below	-	-	17,255	17,255	-	-	-	-	-	17,255
BOVINE SUBSTATION	5788	66kV	-	-	17,101	17,101	-	-	-	-	-	17,101
MOVIE SUBSTATION	5798	66kV	-	60	17,658	17,718	-	-	-	-	60	17,658
VERA SUBSTATION	5801	66kV	-	-	-	-	-	-	-	-	-	-
CHIQUITA SUBSTATION	5811	66kV	-	-	58,207	58,207	-	-	-	-	-	58,207
MURPHY SUB	5812	66kV	-	20,469	-	20,469	-	-	-	-	20,469	-
CARMENITA SUBSTATION	5814	66kV	-	-	146,427	146,427	-	-	-	-	-	146,427
PARKWOOD SUBSTATION	5816	66kV	-	93,280	-	93,280	-	-	-	-	93,280	-
WAVE SUBSTATION	5828	66kV	-	-	-	-	-	-	-	-	-	-
LA HABRA SUBSTATION	5832	66kV	-	-	17,125	17,125	-	-	-	-	-	17,125
OCEANVIEW SUBSTATION	5842	66kV	-	-	58,101	58,101	-	-	-	-	-	58,101
ORANGE SUBSTATION	5843	66kV	-	422,806	1,592,395	2,015,202	-	-	-	-	422,806	1,592,395
SANTA ANA SUBSTATION	5849	33kV & Below	-	6,882	-	6,882	-	-	-	-	6,882	-
TALBERT SUB	5853	66kV	-	-	24,273	24,273	-	-	-	-	-	24,273
ALTON SUBSTATION	5860	66kV	241,262	-	-	241,262	-	-	-	241,262	-	-
SULLIVAN SUBSTATION	5862	66kV	-	-	230,879	230,879	-	-	-	-	-	230,879
ESTRELLA SUBSTATION	5865	66kV	-	-	41,148	41,148	-	-	-	-	-	41,148
SHAWNEE SUBSTATION	5869	66kV	-	-	17,289	17,289	-	-	-	-	-	17,289
LA PALMA SUBSTATION	5873	66kV	-	-	-	-	-	-	-	-	-	-
TUSTIN SUBSTATION	5878	66kV	11,308	-	-	11,308	-	-	-	11,308	-	-
PIONEER SUB	5886	66kV	-	6,944	-	6,944	-	-	-	-	6,944	-
BORREGO SUBSTATION	5887	66kV	-	-	-	-	-	-	-	-	-	-
TELEGRAPH SUB	5892	66kV	-	12,346	96,987	109,334	-	-	-	-	12,346	96,987
PASSONS SUB	5893	66kV	-	3,215	-	3,215	-	-	-	-	3,215	-
NIGUEL SUBSTATION	5896	66kV	-	-	21,384	21,384	-	-	-	-	-	21,384
LAS LOMAS SUB	5902	66kV	4,664,177	-	-	4,664,177	-	-	-	4,664,177	-	-
ORANGE COUNTY REGION	6002	33kV & Below	-	-	-	-	-	-	-	-	-	-
RIALTO COMB FAC. BLDG B&C	6011	Div Offices & Misc	-	2,770	-	2,770	-	-	-	-	2,770	-
CENTRAL ORANGE COUNTY DIS	6029	33kV & Below	-	-	-	-	-	-	-	-	-	-
IMPERIAL COUNTY	7013	115kV	-	-	1,702	1,702	-	-	-	-	-	1,702
ROADWAY(CEP)	8000	115kV	110,643	677,145	9,835,972	10,623,759	24,273	148,555	2,157,862	86,369	528,590	7,678,110
PAUBAI(CEP) SUB	8003	115kV	106,825	757,631	8,411,110	9,275,566	-	-	-	106,825	757,631	8,411,110
THORNHILL(CEP) SUB	8004	115kV	25,609	996,191	7,995,129	9,016,929	-	-	-	25,609	996,191	7,995,129
STADLER(CEP) SUB	8005	115kV	139,611	786,164	11,286,283	12,212,058	-	-	-	139,611	786,164	11,286,283
PAN AERO (CEP) SUB	8009	115kV	-	-	641,248	641,248	-	-	-	-	-	641,248
PHELAN(CEP) SUB	8010	115kV	154,446	751,072	7,063,296	7,968,813	-	-	-	154,446	751,072	7,063,296
BANWIND SUBSTATION	8011	115kV	-	-	32,028	32,028	-	-	-	-	-	32,028
APPLE VALLEY(CEP) SUB	8013	115kV	-	1,660,601	9,490,245	11,150,846	-	-	-	-	1,660,601	9,490,245
BUNKER(CEP) SUB	8014	115kV	969,397	1,313,737	14,563,674	16,846,808	-	-	-	969,397	1,313,737	14,563,674
FARREL(CEP) SUB	8016	115kV	-	606,817	11,368,795	11,975,612	-	-	-	-	606,817	11,368,795
CONCHO(CEP) SUB	8017	115kV	285,201	672,863	8,362,776	9,320,841	-	-	-	285,201	672,863	8,362,776
AULD(CEP) SUB	8018	115kV	83,538	1,160,979	18,183,519	19,428,036	-	-	-	83,538	1,160,979	18,183,519
MAXWELL(CEP) SUB	8019	115kV	33,940	479,789	9,286,628	9,772,898	-	-	-	33,940	479,789	9,772,898
SAVAGE(CEP) SUB	8020	115kV	29,280	1,667,888	15,021,326	16,718,494	-	-	-	29,280	1,667,888	15,021,326
PEPPER(CEP) SUB	8021	115kV	17,579	425,103	10,263,931	10,706,612	-	-	-	17,579	425,103	10,263,931
YUCCA(CEP) SUB	8022	115kV	19,474	605,832	12,548,100	13,173,406	-	-	-	19,474	605,832	12,548,100

# SOUTHERN CALIFORNIA EDISON COMPANY

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## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
BLACK MOUNTAIN(CEP) SUB	8023	115kV	-	12,014	912,016	924,029	-	-	-	-	12,014	912,016
ALESSANDRO(CEP) SUB	8024	115kV	45,514	2,703,513	23,067,632	25,816,658	-	-	-	45,514	2,703,513	23,067,632
BAKER(CEP) SUB	8025	115kV	-	93,573	2,949,663	3,043,236	-	-	-	-	93,573	2,949,663
BANNING(CEP) SUB	8026	115kV	20,210	1,557,931	16,216,180	17,794,321	-	-	-	20,210	1,557,931	16,216,180
COTTONWOOD(CEP) SUB	8027	115kV	22,426	1,796,115	11,231,874	13,050,416	-	-	-	22,426	1,796,115	11,231,874
EDWARDS(CEP) SUB	8028	115kV	-	37,679	2,862,027	2,899,706	-	-	-	-	37,679	2,862,027
HI DESERT(CEP) SUB	8029	115kV	1,154,541	1,676,980	19,704,584	22,536,105	-	-	-	1,154,541	1,676,980	19,704,584
MOUNTAIN PASS(CEP) SUB	8030	115kV	70,286	15,922	4,675,372	4,761,581	-	-	-	70,286	15,922	4,675,372
RANDSBURG(CEP) SUB	8031	115kV	116	336,971	5,170,025	5,507,112	-	-	-	116	336,971	5,170,025
ROCKET TEST(CEP) SUB	8032	115kV	-	18,045	283,935	301,980	-	-	-	-	18,045	283,935
SEARLES(CEP) SUB	8033	115kV	-	320,157	5,695,384	6,015,540	-	-	-	-	320,157	5,695,384
ZANJA(CEP) SUB	8035	115kV	152,559	1,611,442	10,093,906	11,857,908	-	-	-	152,559	1,611,442	10,093,906
SANTA ROSA(CEP) SUB	8036	115kV	44,689	433,444	18,004,186	18,482,319	-	-	-	44,689	433,444	18,004,186
NELSON(CEP) SUB	8038	115kV	22,819	712,157	14,289,364	15,024,340	-	-	-	22,819	712,157	14,289,364
HOMART(CEP) SUB	8039	115kV	174,875	393,551	5,358,686	5,927,111	-	-	-	174,875	393,551	5,358,686
HOLGATE(CEP) SUB	8041	115kV	27,167	347,967	3,351,694	3,726,628	-	-	-	27,167	347,967	3,726,628
CALECTRIC SUB (CEP)	8042	115kV	27,870	2,318,413	25,463,051	27,809,334	-	-	-	27,870	2,318,413	25,463,051
GARNET SUB	8044	115kV	38,081	1,710,498	13,013,457	14,762,036	-	-	-	38,081	1,710,498	13,013,457
IID TIE SUB	8045	115kV	39,144	-	23,873	63,017	-	-	-	39,144	-	23,873
TIEFORT SUB	8047	115kV	-	218,704	1,524,015	1,742,719	-	-	-	-	218,704	1,524,015
USBR BLYTHE SUB	8048	161kV	-	64,707	7,818,707	7,883,414	-	-	-	-	64,707	7,818,707
SN ONOFRE SWTHRK-100%SCE	8055	220kV	-	706,644	11,537,395	12,244,039	-	-	-	-	706,644	11,537,395
PUREWATER SUB	8059	115kV	-	172,508	1,357,312	1,529,819	-	-	-	-	172,508	1,357,312
WHIRLWIND SUB	8060	500kV	-	36,282,674	182,638,985	218,921,659	-	36,282,674	182,638,985	-	-	-
SEAWIND T/S	8061	115kV	2,976	463	316,248	319,687	-	-	-	2,976	463	316,248
TIFFANYWIND SUB	8064	115kV	-	-	4,275	4,275	-	-	-	-	-	4,275
NUSED GALE	8067	115kV	-	-	-	-	-	-	-	-	-	-
CARODEAN	8072	115kV	-	2,036,175	14,270,007	16,306,183	-	-	-	-	2,036,175	14,270,007
IVYGLEN SUB	8073	115kV	166,697	1,049,253	9,418,947	10,634,897	-	-	-	166,697	1,049,253	9,418,947
COOL WATER SWITCHCRACK 1,2	8074	220kV	-	69,954	2,543,263	2,613,217	-	-	-	-	69,954	2,543,263
HIGHGROVE SWITCHCRACK	8075	115kV	7,139	178,624	2,012,064	2,197,827	-	-	-	-	178,624	2,012,064
SUN CITY(NEW)	8078	115kV	119,513	1,887,934	7,946,019	9,953,466	-	-	-	119,513	1,887,934	7,946,019
AQUEDUCT SUB	8079	115kV	2,880	925,853	10,790,050	11,718,782	-	-	-	2,880	925,853	10,790,050
MENTONE SUB	8082	115kV	161,883	684,537	6,340,627	7,187,047	-	-	-	161,883	684,537	6,340,627
HIGHWIND SUB	8084	220kV	-	7,461,340	4,049,761	11,511,101	-	7,461,340	4,049,761	-	-	-
CAJALCO SUB	8086	115kV	25,836	237,921	11,381,194	11,644,951	-	-	-	25,836	237,921	11,381,194
HESPERIA SUB	8087	115kV	22,150	329,879	4,555,347	4,907,377	-	-	-	22,150	329,879	4,555,347
SKYLARK SUB	8088	115kV	81,206	313,715	9,786,119	10,181,041	-	-	-	81,206	313,715	9,786,119
MAYBERRY SUB	8089	115kV	23,090	358,861	12,914,682	13,296,633	-	-	-	23,090	358,861	12,914,682
PERMANENTE SUB	8090	115kV	-	-	87,113	87,113	-	-	-	-	-	87,113
ELCENTRO TELEMETERING	8091	161kV	-	-	15,844	15,844	-	-	-	-	-	15,844
NILAND TELEMETERING	8092	161kV	-	-	6,807	6,807	-	-	-	-	-	6,807
SHANDIN SUB	8093	115kV	42,272	457,108	9,071,469	9,570,849	-	-	-	42,272	457,108	9,071,469
ARROWHEAD SUB	8094	115kV	-	402,756	5,080,781	5,483,538	-	-	-	-	402,756	5,080,781
STETSON SUB	8095	115kV	23,493	718,412	7,888,425	8,630,329	-	-	-	23,493	718,412	7,888,425
MARSCHINO SUB	8096	115kV	27,809	1,611,970	9,280,977	10,920,756	-	-	-	27,809	1,611,970	9,280,977
DUNN SIDING SUB	8097	115kV	4,913	99,723	722,246	826,882	-	-	-	4,913	99,723	722,246
EISENHOWER SUB	8098	115kV	189,886	813,562	12,009,076	13,012,524	-	-	-	189,886	813,562	12,009,076
TAMARISK SUB	8099	115kV	125,967	379,583	12,541,532	13,047,082	-	-	-	125,967	379,583	12,541,532
AMARGO SUB	8102	33kV & Below	-	-	21,140	21,140	-	-	-	-	-	21,140
FARRELL SUB	8104	115kV	-	-	-	-	-	-	-	-	-	-
BARSTOW SUB	8110	33kV & Below	-	6,894	59,447	66,341	-	-	-	-	6,894	59,447
BLYTHE SUB	8113	33kV & Below	-	22,511	440,016	462,527	-	-	-	-	22,511	440,016
BRYMAN SUB	8117	33kV & Below	-	-	7,083	7,083	-	-	-	-	-	7,083
MILITARY SUB	8120	33kV & Below	-	15,598	-	15,598	-	-	-	-	15,598	-
CANTIL SUB	8121	33kV & Below	-	-	7,293	7,293	-	-	-	-	-	7,293
CATHEDRAL CITY SUB	8123	33kV & Below	-	9,939	-	9,939	-	-	-	-	9,939	-
CAL CITY SUB	8132	33kV & Below	-	6,894	13,800	20,695	-	-	-	-	6,894	13,800
DESERT OUTPOST SUB	8136	33kV & Below	-	13,544	-	13,544	-	-	-	-	13,544	-
DOWNES SUB	8137	115kV	82,401	3,680,740	21,499,699	25,262,840	-	-	-	82,401	3,680,740	21,499,699
GLEN IVY SUB	8152	33kV & Below	-	15,642	27,225	42,866	-	-	-	-	15,642	27,225
EL SOBRANTE SUB	8159	33kV & Below	-	4,126	-	4,126	-	-	-	-	4,126	-
HARVARD SUB	8161	33kV & Below	-	-	8,458	8,458	-	-	-	-	-	8,458
HELEDALE SUB	8163	33kV & Below	-	15,110	81,054	96,165	-	-	-	-	15,110	81,054
INYOKERN TOWN SUB	8170	33kV & Below	-	-	7,735	7,735	-	-	-	-	-	7,735
JOSHUA TREE SUB	8172	33kV & Below	-	9,177	-	9,177	-	-	-	-	9,177	-
Lakeview	8179	115kV	1,488,305	-	-	1,488,305	-	-	-	1,488,305	-	-
BOTTLE SUB	8182	115kV	-	158,075	1,283,195	1,441,271	-	-	-	-	158,075	1,283,195
MINNEOLA SUB	8190	33kV & Below	-	-	5,725	5,725	-	-	-	-	-	5,725

**SOUTHERN CALIFORNIA EDISON COMPANY**

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**TRANSMISSION SUBSTATION FACILITIES**

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
MORENO SUB	8193	115kV	104,923	742,093	3,743,328	4,590,344	-	-	-	104,923	742,093	3,743,328
MURRIETA 2 SUB	8195	33kV & Below	-	-	21,911	21,911	-	-	-	-	-	21,911
MURRIETA SUB	8196	66kV	-	-	-	-	-	-	-	-	-	-
SOUTHCAP SUB.	8197	115kV	-	-	942,250	942,250	-	-	-	-	-	942,250
MUSCOY SUB	8198	33kV & Below	-	-	132,416	132,416	-	-	-	-	-	132,416
BELDING SUB	8204	33kV & Below	-	42,109	-	42,109	-	-	-	-	42,109	-
NORTH MUROC SUB	8206	33kV & Below	-	-	-	-	-	-	-	-	-	-
HOLIDAY SUB	8207	33kV & Below	-	19,356	-	19,356	-	-	-	-	19,356	-
OLIVE LAKE SUB	8210	33kV & Below	-	558	-	558	-	-	-	-	558	-
ORO GRANDE SUB	8212	33kV & Below	-	-	7,994	7,994	-	-	-	-	-	7,994
PALM CANYON SUB	8214	33kV & Below	-	30,644	-	30,644	-	-	-	-	30,644	-
PEERLESS SUB	8216	33kV & Below	-	-	7,635	7,635	-	-	-	-	-	7,635
LUCERNE SUB	8220	33kV & Below	-	13,167	-	13,167	-	-	-	-	13,167	-
RANCHO SUB	8222	33kV & Below	-	6,894	2,107	9,001	-	-	-	-	6,894	2,107
RIALTO SUB	8225	33kV & Below	-	17,716	30,776	48,492	-	-	-	-	17,716	30,776
RIDGECREST SUB	8226	33kV & Below	-	-	17,438	17,438	-	-	-	-	-	17,438
RUBIDOUX SUB	8231	33kV & Below	-	6,317	-	6,317	-	-	-	-	6,317	-
SAN JACINTO SUB	8234	33kV & Below	-	-	10,232	10,232	-	-	-	-	-	10,232
SILVER SPUR SUB	8238	33kV & Below	-	8,994	-	8,994	-	-	-	-	8,994	-
SUNNY DUNES SUB	8244	33kV & Below	-	13,259	-	13,259	-	-	-	-	13,259	-
TEMESCAL SUB	8250	33kV & Below	-	-	4,236	4,236	-	-	-	-	-	4,236
THUNDERBIRD SUB	8251	33kV & Below	-	-	-	-	-	-	-	-	-	-
TRONA SUB	8252	33kV & Below	-	6,499	25,320	31,818	-	-	-	-	6,499	25,320
TWENTYNINE PALMS SUB	8255	33kV & Below	-	11,480	-	11,480	-	-	-	-	11,480	-
VICTORVILLE SUB	8260	33kV & Below	-	6,894	22,159	29,053	-	-	-	-	6,894	22,159
WILDE SUB	8267	33kV & Below	-	-	47,409	47,409	-	-	-	-	-	47,409
YERMO SUB	8268	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-
TENAJA SUBSTATION	8270	115kV	-	-	21,919	21,919	-	-	-	-	-	21,919
IRON MT SCE	8273	33kV & Below	-	8,651	-	8,651	-	-	-	-	8,651	-
GALE SUB	8283	115kV	-	2,638	4,930,058	4,932,697	-	-	-	-	2,638	4,930,058
GOLD HILL SUB	8294	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-
BUCKWIND	8301	115kV	-	4,640	751,981	756,621	-	-	-	-	4,640	751,981
CAPWIHND	8302	115kV	-	29,827	78,542	108,369	-	-	-	-	29,827	78,542
RENWIND	8303	115kV	-	15,102	827,522	842,625	-	-	-	-	15,102	827,522
SANWIND	8304	115kV	-	-	371,041	371,041	-	-	-	-	-	371,041
TRANSWIND	8305	115kV	-	25,366	1,061,135	1,086,501	-	-	-	-	25,366	1,061,135
VENWIND	8306	115kV	-	21,039	2,287,437	2,308,477	-	-	-	-	21,039	2,287,437
ALTWIND	8308	115kV	-	1,022	27,341	28,364	-	-	-	-	1,022	27,341
TERAWIND	8310	115kV	-	5,398	226,460	231,859	-	-	-	-	5,398	226,460
INDIGO SUBSTATION	8311	115kV	-	4,899	84,697	89,596	-	-	-	-	4,899	84,697
CALGEN	8312	115kV	532	1,600	12,970	15,102	-	-	-	532	1,600	12,970
MCGEN	8314	115kV	-	112,388	2,235,921	2,348,309	-	-	-	-	112,388	2,235,921
SEGS II	8320	115kV	-	-	28,142	28,142	-	-	-	-	-	28,142
SEGS III	8321	115kV	-	-	11,755	11,755	-	-	-	-	-	11,755
SEGS IV	8322	115kV	-	-	9,731	9,731	-	-	-	-	-	9,731
SEGS V	8323	115kV	-	-	8,814	8,814	-	-	-	-	-	8,814
SEGS VI	8324	115kV	-	-	39,130	39,130	-	-	-	-	-	39,130
SEGS VII	8325	115kV	-	-	119,704	119,704	-	-	-	-	-	119,704
SEGS VIII	8326	220kV	-	-	83,150	83,150	-	-	-	-	-	83,150
SEGS IX	8327	220kV	-	-	74,085	74,085	-	-	-	-	-	74,085
SOPORT	8340	115kV	-	42,538	654,012	696,550	-	-	-	-	42,538	654,012
NEWCOMB	8342	115kV	51,172	1,226,277	10,903,690	12,181,139	-	-	-	51,172	1,226,277	10,903,690
ELSINORE	8343	115kV	20,961	1,539,154	15,899,881	17,459,995	-	-	-	20,961	1,539,154	15,899,881
SOUTH BASE SUB	8344	115kV	12,179	143,764	2,017,154	2,173,097	-	-	-	12,179	143,764	2,017,154
INDIAN WELLS SUB	8345	115kV	222,600	871,289	12,888,636	13,982,525	-	-	-	222,600	871,289	12,888,636
PECHANGA SUB	8347	115kV	560,579	844,656	11,221,755	12,626,991	-	-	-	560,579	844,656	11,221,755
MORAGA	8348	115kV	40,720	307,859	17,229,485	17,578,064	-	-	-	40,720	307,859	17,229,485
TANKER SUBSTATION	8351	115kV	120	4,440	696,181	700,741	-	-	-	120	4,440	696,181
PLUESS SUBSTATION	8353	115kV	-	-	151,193	151,193	-	-	-	-	-	151,193
AFG SUBSTATION	8354	115kV	-	78,655	1,082,686	1,161,340	-	-	-	-	78,655	1,082,686
RECTIFIER SUB	8357	115kV	-	5,170	1,098,304	1,103,474	-	-	-	-	5,170	1,098,304
MOUNTWIND SUBSTATION	8359	115kV	-	-	53,698	53,698	-	-	-	-	-	53,698
COSO SUB	8361	115kV	91,119	1,641,131	4,785,688	6,517,938	-	-	-	91,119	1,641,131	4,785,688
MOVAL SUBSTATION	8362	115kV	-	127,376	491,384	618,760	-	-	-	-	127,376	491,384
SANDLOT SUB	8370	220kV	-	82,928	-	82,928	-	-	-	-	82,928	-
PRIMM SUBSTATION	8372	220kV	-	520,141	30,657,676	31,177,817	-	520,141	30,657,676	-	-	-
BLAST SUBSTATION	8373	115kV	-	463,160	77,185	540,344	-	-	-	-	463,160	77,185
PHARMACY SUBSTATION	8509	66kV	-	-	43,289	43,289	-	-	-	-	-	43,289
GLOW SUBSTATION	8511	66kV	-	-	128,972	128,972	-	-	-	-	-	128,972

# SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2017 Facilities

## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
PLASTER SUBSTATION	8558	66kV	4,671	-	-	4,671	-	-	-	4,671	-	-
ONEIL SUBSTATION	8810	66kV	1,188,142	-	-	1,188,142	-	-	-	1,188,142	-	-
EAST TRANSITION	8860	500kV	-	7,471,915	6,883,130	14,355,045	-	7,471,915	6,883,130	-	-	-
MWD EASTSIDE RES	8956	115kV	-	-	12,837	12,837	-	-	-	-	-	12,837
WEST TRANSITION	8960	500kV	-	8,563,902	5,461,767	14,025,669	-	8,563,902	5,461,767	-	-	-
CONSTR FIELD FORCES	9009	Div Offices & Misc	-	-	527,316	527,316	-	-	-	-	-	527,316
TRANS/SUB SUPPORT SERV	9047	Div Offices & Misc	-	-	78,505,427	78,505,427	-	-	-	-	-	78,505,427
INFO TECH-GO2	9077	Div Offices & Misc	-	-	1,740,166	1,740,166	-	-	-	-	-	1,740,166
GENERAL OFFICE #5 - GO5	9201	Div Offices & Misc	-	-	-	-	-	-	-	-	-	-
PROP SVCS-SN GBRL VAL REG	9285	Div Offices & Misc	-	-	-	-	-	-	-	-	-	-
REAL PROP-LAND SVCS-STHRN	9287	Misc	-	12,869	-	12,869	-	-	-	-	12,869	-
TELCOMM-ALHAMBRA	9310	Misc	327,844	-	-	327,844	-	-	-	327,844	-	-
WESTMINSTER FENWICK BLDG	9440	Div Offices & Misc	-	8,929	-	8,929	-	-	-	-	8,929	-
TELECOMM BUSINESS VENTURE	9597	Div Offices & Misc	-	-	-	-	-	-	-	-	-	-
PLANT ACCTG-MISC. LEDGER	9900	Div Offices & Misc	631	-	-	631	-	-	-	631	-	-
CUMMINGS SUB	5357	66kV	-	-	103,578	103,578	-	-	-	-	-	103,578
MONOLITH SUB	5358	66kV	-	234	1,261,397	1,261,631	-	-	-	-	234	1,261,397
ACTON SUB	5365	66kV	24,167	-	15,397	39,564	-	-	-	24,167	-	15,397
DEL SUR SUB	5508	66kV	-	-	424,747	424,747	-	-	-	-	-	424,747
GOLDTOWN SUB	5511	66kV	-	-	526,259	526,259	-	-	-	-	-	526,259
LANCASTER SUB	5514	66kV	-	-	1,071,949	1,071,949	-	-	-	-	-	1,071,949
LITTLE ROCK SUB	5518	66kV	-	-	1,690,353	1,690,353	-	-	-	-	-	1,690,353
SHUTTLE SUB	5522	66kV	-	-	911,750	911,750	-	-	-	-	-	911,750
REDMAN WUB	5530	66kV	-	-	299,056	299,056	-	-	-	-	-	299,056
ANAVERDE SUB	5539	66kV	-	-	76,359	76,359	-	-	-	-	-	76,359
ROSAMOND SUB	5541	66kV	-	-	658,870	658,870	-	-	-	-	-	658,870
PIUTE SUB	5545	66kV	-	11,023	149,257	160,280	-	-	-	-	11,023	149,257
OASIS SUB	5548	66kV	-	-	397,008	397,008	-	-	-	-	-	397,008
CAL CEMENT SUB	5553	66kV	-	15,551	367,757	383,308	-	-	-	-	15,551	367,757
PALMDALE SUB	5564	66kV	-	-	593,395	593,395	-	-	-	-	-	593,395
QUARTZ HILL SUB	5566	66kV	-	11,023	220,467	231,490	-	-	-	-	11,023	220,467
HELLJET SUB	5599	66kV	-	-	499,396	499,396	-	-	-	-	-	499,396
RITTER SUB	8504	66kV	942,487	-	-	942,487	-	-	-	942,487	-	-
BIG CREEK NO. 1	2211	220kV	-	264,412	9,196,246	9,460,657	-	134,945	4,683,642	-	129,467	4,512,604
BIG CREEK NO.8	2229	220kV	-	282,649	2,382,291	2,664,940	-	272,618	2,267,304	-	10,031	114,988
BIG CREEK NO.3	2230	220kV	-	2,330,589	18,492,397	20,822,986	-	1,950,903	15,479,580	-	379,686	3,012,818
CONTROL STATION	2556	115kV	-	1,570,756	15,357,249	16,928,005	-	1,314,464	13,225,143	-	256,292	2,132,106
T.M. GOODRICH SUB-PASADEN	5010	220kV	-	277,076	35,398	312,475	-	277,076	35,398	-	-	-
EAGLE ROCK SUB	5011	220kV	19,613	4,901,132	34,769,873	39,690,618	3,361	603,606	6,194,239	16,252	4,297,526	28,575,634
MESA SUB	5012	220kV	2,031,347	10,391,854	47,583,014	60,006,215	649,589	3,354,106	15,185,218	1,381,759	7,037,748	32,397,795
RIO HONDO SUB	5013	220kV	457,530	4,945,802	80,291,431	85,694,763	156,698	3,253,273	25,939,332	300,832	1,692,529	54,352,099
WALNUT SUB	5014	220kV	97,955	4,587,050	34,216,176	38,901,181	6,594	308,425	2,303,824	91,361	4,278,625	31,912,352
GOULD SUB	5015	220kV	29,300	1,092,418	31,780,389	32,902,108	10,901	410,835	11,819,118	18,399	681,583	19,961,272
DRYCREEKWIND SUB	5018	220kV	-	(0.01)	0.01	-	-	(0.01)	0.01	-	-	-
LA FRESA SUB	5021	220kV	101,370	5,883,706	81,341,949	87,327,024	17,896	1,032,768	14,366,110	83,474	4,850,938	66,975,838
EL NIDO SUB	5023	220kV	285,620	7,955,498	34,939,823	43,180,941	79,362	2,210,795	8,927,145	206,258	5,744,703	26,012,678
LA CIENEGA SUB	5024	220kV	2,100,227	5,298,268	43,943,978	51,342,472	628,918	1,584,120	13,161,584	1,471,309	3,714,147	30,782,394
ALAMITOS SWITCHCRACK SUB	5025	220kV	63,557	2,730,119	32,636,893	35,430,569	25,065	1,076,667	12,870,890	38,492	1,653,452	19,766,003
LG BCH SWITCHCRACK SUB	5027	220kV	97,213	1,343,374	8,720,194	10,160,781	32,392	447,619	2,964,779	64,821	895,754	5,755,416
REDONDO SWITCHCRACK SUB	5028	220kV	13,018	39,761	5,760,749	5,760,749	9,041	27,612	3,963,916	3,978	12,149	1,744,054
MAGUNDEN SUB	5031	220kV	8,363	3,274,161	17,919,599	21,202,122	7,939	3,108,489	17,035,867	424	165,672	883,732
RECTOR SUB	5033	220kV	394,843	17,778,040	114,521,808	132,694,691	230,714	10,393,690	66,868,605	164,129	7,384,350	47,653,203
SPRINGVILLE SUB	5034	220kV	12,198	1,399,087	34,761,692	36,172,977	3,379	339,141	9,678,516	8,819	1,059,946	25,083,176
VESTAL SUB	5035	220kV	7,243	1,848,135	48,598,515	50,453,893	4,142	1,061,096	27,779,977	3,101	787,038	20,818,539
EAGLE MT. SUB	5040	220kV	-	343,906	8,368,399	8,712,305	-	61,360	1,493,101	-	282,546	6,875,297
CIMA SUB	5043	220kV	1,824	17,123	3,276,651	3,295,598	207	1,945	372,293	-	15,177	2,904,359
MANDALAY SWITCHCRACK SUB	5048	220kV	49,104	29,546	2,561,161	2,639,812	-	-	-	49,104	29,546	2,561,161
PARDEE SUB	5050	220kV	970,263	3,470,207	39,240,515	43,680,985	866,270	3,098,998	35,033,968	103,993	371,209	4,206,547
ANTELOPE SUB	5052	220kV	21,983	6,776,871	202,907,138	209,705,992	21,982	6,776,588	202,897,397	1	282	9,741
SANTA CLARA SUB	5053	220kV	140,739	4,212,598	51,483,328	55,836,666	40,344	844,880	15,120,730	100,395	3,367,718	36,362,599
GOLETA SUB	5055	220kV	236,194	5,961,288	33,508,624	38,251	2,227,330	10,303,037	147,943	3,733,958	17,008,105	17,008,105
MOORPARK SUB	5056	220kV	184,091	6,557,254	65,587,484	72,328,830	23,595	840,437	8,406,287	160,496	5,716,817	57,181,197
BAILEY SUB	5059	220kV	7,219,735	32,488,857	39,819,655	71,106,3	111,063	7,219,735	32,488,857	-	-	-
PADUA SUB	5060	220kV	149,547	4,950,174	53,893,899	58,993,620	58,225	1,989,323	20,899,812	91,322	2,960,852	32,994,087
CHINO SUB	5062	220kV	34,465	3,784,544	38,111,306	41,930,315	7,950	854,935	8,809,119	26,515	2,929,609	29,302,188
JULIAN HINDS SUB	5063	220kV	-	1,526,995	23,784,016	25,311,011	-	1,513,750	23,577,712	-	13,245	206,303
VISTA SUB	5064	220kV	52,109	25,037,160	70,621,655	95,710,923	9,602	4,688,031	12,938,110	42,507	20,349,128	57,683,544
DEVERS SUB	5067	500kV	1,370,884	36,332,632	228,430,909	266,134,425	1,146,182	30,377,561	191,588,248	224,702	5,955,071	36,842,661
MIRA LOMA SUB	5069	500kV	474,735	26,787,372	208,063,803	235,325,910	405,602	22,997,887	177,653,059	69,133	3,789,485	30,410,744

**SOUTHERN CALIFORNIA EDISON COMPANY**

12-31-2017 Facilities

**TRANSMISSION SUBSTATION FACILITIES**

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
HINSON SUB	5071	220kV	678,278	607,062	30,775,399	32,060,739	165,708	145,627	7,521,320	512,570	461,435	23,254,080
LIGHTHIPE SUB	5073	220kV	164,680	14,327,135	37,543,553	52,035,367	49,733	4,326,781	11,338,116	114,947	10,000,354	26,205,436
LAGUNA BELL SUB	5074	220kV	131,263	2,751,788	50,402,017	53,285,067	33,541	703,474	12,878,809	97,721	2,048,314	37,523,208
DEL AMO SUB	5075	220kV	185,982	6,716,646	60,330,285	67,232,913	30,791	954,397	10,149,392	155,191	5,762,249	50,180,893
BARRE SUB	5081	220kV	86,188	3,985,827	59,665,598	63,737,613	28,618	1,323,442	19,813,149	57,570	2,662,385	39,852,449
VILLA PARK SUB	5082	220kV	270,570	6,756,730	52,549,491	59,576,791	84,404	2,377,133	16,143,270	186,166	4,379,597	36,406,221
VIEJO SUBSTATION	5083	220kV	13,285,971	8,784,046	34,779,638	56,849,656	3,199,451	2,115,242	8,375,515	10,086,520	6,668,804	26,404,124
CENTER SUB	5084	220kV	71,802	5,051,555	48,028,604	53,151,961	7,183	413,285	4,896,869	64,619	4,638,270	43,131,735
JOHANNA SUB	5085 & 5881	220kV	813,416	5,535,466	25,767,387	32,116,269	263,466	1,572,165	9,174,666	549,950	3,963,300	16,592,721
ELLIS SUB	5086	220kV	59,737	5,607,437	70,734,959	76,402,133	13,938	1,317,885	16,494,932	45,799	4,289,552	54,240,026
OLINDA SUB	5087	220kV	390,538	2,233,806	27,785,165	30,409,509	60,194	344,299	4,282,558	330,344	1,889,507	23,502,607
SANTIAGO SUB	5088	220kV	557,976	10,554,104	131,781,457	142,893,538	350,214	8,824,809	80,512,035	207,763	1,729,295	51,269,422
ETIWANDA SWITCHRACK SUB	5096	220kV	186,144	3,975,793	58,795,312	62,957,249	36,584	780,185	11,556,513	149,560	3,195,608	47,238,799
EL CASCO SUBSTATION	8006	220kV	-	30,039,032	53,831,288	83,870,321	-	3,548,261	6,358,643	-	26,490,771	47,472,646
MIRAGE(CEP) SUB	8012	220kV	629,541	4,729,073	52,861,183	58,219,797	279,132	2,110,596	23,424,330	350,409	2,618,478	29,436,853
TORTILLA(CEP) SUB	8037	115kV	17,114	374,948	13,706,934	14,098,996	5,444	141,283	4,338,455	11,670	233,665	9,368,479
VICTOR SUB	8049	220kV	22,088	11,545,263	112,336,458	123,903,809	19,567	10,235,323	99,508,267	2,521	1,309,940	12,828,190
LAKEVIEW SUB	8056	115kV	-	9,430,374	22,715,951	32,146,326	-	-	-	-	9,430,374	22,715,951
EASTWIND SUB	8058	220kV	-	-	23,430	23,430	-	-	-	-	-	23,430
CHEVMAIN	8063	220kV	-	376,631	15,349,443	15,726,074	-	89,222	3,636,188	-	287,409	11,713,255
BADLANDS SUB	8081	115kV	-	21,176	-	21,176	-	-	-	-	21,176	-
Inyokern (CEP) & Inyokern	5041 & 8040	115kV	7,964	482,140	14,285,347	14,775,451	2,248	56,275	4,112,290	5,716	425,864	10,173,057
Kramer & Kramer-Radial Line Agmt	5042 & 8046	220kV	48,811	2,014,991	52,191,833	54,255,636	38,292	1,490,275	41,034,566	10,519	524,716	11,157,267
Vincent	5054 & 8954	500kV	17,324,279	18,062,067	216,319,752	251,706,097	17,324,279	18,062,067	216,319,752	-	-	-
Valley & Valley - CEP	5070 & 8034	500kV	311,358	40,759,778	210,701,799	251,772,935	94,868	10,829,639	75,481,558	216,490	29,930,139	135,220,240
San Onofre Switchrack	8051-8055	220kV	-	-	-	-	-	-	-	-	-	-
San Bernardino-220kv Switchyard & 220kv to	8076 & 1999	220kV	302,392	5,326,261	50,148,151	55,776,804	82,493	1,451,165	13,682,295	219,900	3,875,095	36,465,856
GREENWALD SUB	8339	115kV	-	10,350	8,152	18,502	-	-	-	-	10,350	8,152
IVANPAH SUB	8363	220kV	-	14,156,297	32,056,638	46,212,935	-	14,143,231	32,023,329	-	13,066	33,310
NEW VICTOR SUB	8364	115kV	-	-	-	-	-	-	-	-	-	-
RED BLUFF SUB	8369	500kV	-	93,373,849	111,627,933	205,001,781	-	93,373,849	111,627,933	-	-	-
COLORADO RIVER SUB	8367	500kV	-	39,933,439	135,825,015	175,758,455	-	39,933,439	135,825,015	-	-	-
FOGARTY SUB	8346	115kV	-	4,398,452	16,236,483	20,634,935	-	-	-	-	4,398,452	16,236,483
MIDWAY-VINCENT LINES 1&2	4026	500kV	2,910,822	8,464	27,105	2,946,391	2,910,822	8,464	27,105	-	-	-
DWP-EDSN CEJULO-SYLMR LN	4031	1000kV	-	95,841	-	95,841	-	95,841	-	-	-	-
DWP-EDSN CEJULO-SYLMR LN	4034	1000kV	-	541	-	541	-	541	-	-	-	-
PARDEE-SYLMAR LINES 1&2	4045	220kV	187,213	26,421	-	213,633	187,213	106,089	-	-	-	-
EAGLE ROCK-SYLMAR LNE	4046	220kV	-	186,657	-	186,657	-	-	-	181	76	-
PARDEE-VINCENT LINE CONST	4059	220kV	13,002	-	-	13,002	-	-	-	-	-	-
RIO HONDO-VINCENT LN 2	4070	220kV	61,040	-	-	61,040	-	-	-	81	2	-
MANY TRANSMISSION LINES	4101	220kV	1,449,844	278,181	98,475	1,826,500	1,418,231	605,663	96,328	146,824	43,112	30,237
COGEN/RENEWABLE ENERGY SO	4102	220kV	1,466,128	-	-	1,466,128	831,624	-	-	-	-	-
ISO 66KV LINES	4103	66kV	1,060	-	-	1,060	-	-	-	-	-	-
ISO 66KV T/L	4703	66kV	-	-	1,078,038	1,078,038	-	-	-	-	-	-
DEVERS-HINS LN, OTHERS	4104	220kV	1,331,335	-	49,406	1,380,741	1,261,091	77,815	46,799	-	-	-
33 AND 66 KV LINES	4105	66kV	32,427,595	1,720,157	1,071,634	35,219,386	224,967	61,515	17,686	25,409	-	-
S/E DIV., 66KV LINES	4805	66kV	-	146,255	-	146,255	-	-	-	-	-	-
COGEN/RENEW ENGY SOURCES	4106	115kV	563,121	-	-	563,121	-	-	-	232	-	-
ANTELOPE/MESA LINE, OTHER	4107	220kV	4,267,463	310,268	-	4,577,731	4,267,463	1,144,464	-	-	-	-
CHINO-SERRANO/SN ONFRE LN	4108	220kV	8,072,178	3,059,278	-	11,131,456	8,071,997	3,409,112	-	970,902	127,150	391
VARIOUS 220KV LINES	4808	220kV	-	349,910	-	349,910	-	-	-	-	-	-
COACHELLA VALLEY-DEVERS (SCE PORTION)	4109	220kV	-	-	-	-	-	25,255	-	429,429	53,515	21
COACHELLA VALLEY - DEVERS 220 KV Line	4509	220kV	-	25,255	-	25,255	-	-	-	-	-	-
BIG CRK 3-BIG CRK 4	4111	220kV	1,944	-	-	1,944	1,944	-	-	477,695	57,953	3,355
BIGCRK-SPRGVL, MGDN-SPRGV	4113	220kV	793,531	-	-	793,531	874,791	23,986	-	-	-	-
ALAMITOS-MESA LN, OTHERS	4114	220kV	3,210,534	538,777	661,182	4,410,493	3,063,711	899,598	630,945	2,945,628	302,622	491
HINSON-LIGHTHIPE 1&2	4115	220kV	1,607,024	531,635	2,149	2,140,808	1,607,024	616,675	2,149	7,261	-	-
HINSON-LIGHTHIPE 1,2	4415	220kV	-	85,040	-	85,040	-	-	-	-	-	-
HINSON-LAFRESA, OTHERS	4116	220kV	3,594,552	162,282	2,065	3,758,900	3,594,552	292,663	108,948	767,588	47,437	-
HINSON-LA FRESA	4416	220kV	-	130,380	106,883	237,263	-	-	-	-	-	-
ELDRDO-CIMA-PISGAH LN1,2	4117	220kV	1,005,237	7,084	12,857	1,025,178	1,005,237	24,292	12,857	-	-	-
MRA LMA-VLL PK LNS, OTHR	4118	220kV	5,612,274	86,461	2,260	5,700,994	4,641,372	607,836	1,869	-	-	-
CENTER-MESA LN, OTHERS	4119	220kV	2,101,337	40,325	101	2,141,762	1,671,908	208,352	80	-	-	-
ALAMITOS-CENTER, OTHERS	4120	220kV	4,271,251	292,991	3,380	4,567,622	3,793,556	460,223	26,643	309,032	-	-
ALAMITOS-CENTER.....	4420	220kV	-	158,526	-	158,526	-	-	-	-	-	-
BIG CREEK 4-SPRNGVLL-MGDN	4121	220kV	281,784	-	-	281,784	353,928	55,314	585,258	-	-	-
LUGO-VINCENT LINES 1&2	4123	500kV	1,749,466	-	16,633	1,766,099	1,749,466	-	16,633	-	-	-
BIG CRK 1-CMP TEN...-PTL	4124	66kV	485	-	-	485	-	-	-	146,317	1,270,059	-
GOLETA-SNTA CLARA, OTHERS	4125	220kV	11,507,952	1,064,843	1,918	12,574,713	8,562,324	879,660	1,427	-	-	-

# SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2017 Facilities

## TRANSMISSION SUBSTATION FACILITIES

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
NORTH BOULDER-MEAD, OTHER	4127	220kV	19,842	-	-	19,842	12,581	-	-	-	-	-
KERN RIVER3-VESTAL 66 KV	4129	66kV	34,937	-	-	34,937	-	-	-	-	-	-
MOHAVE-LUGO 500KV	4130	500kV	157,990	-	-	157,990	157,990	-	-	-	-	-
CUMMINGS-KERBN RIV1, OTHE	4132	66kV	3,146	-	-	3,146	-	-	-	-	131,348	15,463
BOREL....-WALKER 66KV LN	4133	66kV	50,020	-	-	50,020	-	-	-	3,127	433,988	92,729
LUGO-VICTOR LNS, OTHER	4135	220kV	2,211,409	61	-	2,211,471	1,443,821	89,229	-	296,688	524,976	68
LUGO-ELDORADO LN	4136	500kV	1,330,373	-	-	1,330,373	1,330,373	-	-	-	-	-
LUGO-ELDORADO LN	4137	500kV	16,589	-	-	16,589	16,589	-	-	-	-	-
LUGO-MIRA LOMA 2&3	4138	500kV	9,590,970	360,190	98	9,951,258	9,590,970	2,146,646	98	-	-	-
SPRGVLL-TULE 66KV LN	4139	66kV	517	-	-	517	-	-	-	-	78,929	916,891
MOHAVE-LUGO 500 KV LN	4140	500kV	278,112	-	-	278,112	278,112	7,296	-	-	-	-
MOHAVE-ELDORADO LN	4141	500kV	76,199	-	-	76,199	76,199	-	-	-	-	-
BOREL-WELDON 66KV LN	4142	66kV	25,409	-	-	25,409	-	-	-	1,987,424	-	-
ELDORADO-BORDER 500 KV LN	4143	500kV	6,167	-	-	6,167	6,167	-	-	-	-	-
ELDORADO-MEAD LNS 1&2	4144	220kV	9,994	-	-	9,994	9,994	-	-	-	-	-
VINCENT-PARDEE LN 2	4147	220kV	3,884,037	-	1,880	3,885,917	3,884,037	-	1,880	-	-	-
MIRA LOMA-SERRANO LN	4148	500kV	1,695,891	-	-	1,695,891	1,700,240	-	-	-	-	-
SANTA ANA LNS 1,2,3	4149	33kV & Below	232	-	-	232	-	-	-	33,305	181,044	591,382
VINCENT-PEARBLOSSOM LN	4153	220kV	309,032	-	-	309,032	-	-	-	-	25,798	-
LUGO-VICTORVLL EDSON-DWP	4154	500kV	748,912	-	-	748,912	748,912	51,478	-	-	-	-
MIDWAY-VINCENT LN 3	4155	500kV	5,828,378	-	-	5,828,378	5,828,378	-	-	-	-	-
ELLIS-SANTIAGO LNS 1,2	4156	220kV	12,019,808	-	-	12,019,808	12,019,808	-	-	-	-	-
RIO HONDO-VINCENT LN 2	4157	220kV	1,139,771	18,610	-	1,158,382	1,158,382	18,610	-	-	-	-
LUCERNE-LUGO/MIRA LOMA LN	4158	500kV	498,252	-	-	498,252	498,252	-	-	-	1,552,146	-
BIG CRK 2-BIG CRK 8	4166	220kV	(63,110)	-	-	(63,110)	9,034	-	-	-	-	-
BIG CRK 3-MAMMOTH POOL	4168	220kV	4,331	-	-	4,331	-	-	-	-	-	-
BIG CRK 1-RECTOR, OTHER	4169	220kV	11,790,589	-	2,701	11,793,290	11,793,290	56,300	2,633	-	-	-
DEVERS-PALO VERDE	4185	500kV	14,776,950	-	-	14,776,950	14,776,950	-	-	-	-	-
DEVERS-PALO VERDE	4186	500kV	1,193,710	-	-	1,193,710	1,193,710	-	-	-	-	-
DEVERS-VALLEY LNS 1,2	4187	500kV	10,444,073	-	-	10,444,073	10,444,073	32,102	-	-	-	-
SERRANO-VALLEY LN	4188	500kV	2,855,109	8,043	-	2,863,153	2,855,109	237,613	-	-	-	-
VALLEY-SERRANO 500 KV LN	4988	500kV	-	221,528	-	221,528	-	-	-	-	-	-
SERRANO-VILLA PK LN 1,2,3	4189	220kV	78,248	-	-	78,248	78,248	37,274	-	-	-	-
VARIOUS 66KV LINES	4200	66kV	757,617	2,941,779	43	3,699,439	-	-	-	-	-	-
MAGUNDEN-PASTORIA	4201	220kV	-	112,468	-	112,468	-	-	-	-	-	-
SSAN JOAQUIN REGION 66KV	4205	66kV	-	-	23,446	23,446	-	-	-	-	-	-
E.MAGUNDEN-ANTELOPE 220KV	4207	220kV	-	25,798	-	25,798	-	-	-	-	-	-
BIG CREEK 3-SPRNGVL-MGNDN	4213	220kV	-	23,989	-	23,989	-	-	-	-	-	-
BIG CREEK 3-MAMMOTH POOL	4268	220kV	-	523,515	-	523,515	-	-	-	-	-	-
RECTOR-VESTAL #2 220KV	4269	220kV	-	57,762	-	57,762	-	-	-	-	-	-
BIG CREEK4-SPRNGVL-MGNDN	4288	220kV	-	8,042	-	8,042	-	-	-	-	-	-
ALL 66KV T/L-COASTAL REGN	4405	66kV	-	77,124	-	77,124	-	-	-	-	-	-
EAGLE ROCK-MESA 220 KV LN	4301	220kV	-	288	-	288	-	-	-	-	-	-
ALL 66KV T/L-METRO REGION	4305	66kV	-	4,013,137	-	4,013,137	-	-	-	-	-	-
ANTELOPE-MESA 220 KV LN	4307	220kV	-	-	-	-	-	-	-	-	-	-
CHINO-VILLA PARK 220KV LN	4318	220kV	-	3,937	-	3,937	-	-	-	-	-	-
CENTER-MESA 220KV LN	4319	220kV	-	37,768	-	37,768	-	-	-	-	-	-
MESA VINCENT No 2 220 Kv LINE	4325	220kV	-	10,731	-	10,731	-	-	-	-	-	-
MIRA LOMA-SERRANO# 1&2 500KV	4348	500kV	4,349	-	-	4,349	-	-	-	-	-	-
MIRA LOMA - VINCENT 500 kv LINE	4360	500kV	24,619,979	1,358,932	-	25,978,911	25,654,145	1,358,932	-	-	-	-
MESA-REDONDO 220KV LN	4414	220kV	-	275,317	-	275,317	-	-	-	-	-	-
CENTER MESA&OLINDA 220KV	4419	220kV	-	82,383	-	82,383	-	-	-	-	-	-
DEVERS-HINDS 220KV LNS	4504	220kV	-	82,149	-	82,149	-	-	-	-	-	-
33 & 66KV LNS IN ESTRN R	4505	66kV	-	93,054	399,316	492,370	-	-	-	-	-	-
COGEN/RENEW ENGY RESOURCE	4506	115kV	-	-	35,918	35,918	-	-	-	-	-	-
ISO 115KV T/L	4513	115kV	16,850	-	271,728	288,578	-	-	-	-	-	-
ETIWANDA-PADUA 220KV LN	4518	220kV	-	603,823	-	603,823	-	-	-	-	-	-
MIRA LOMA-WALNUT 220KV LN	4519	220kV	-	101,391	-	101,391	-	-	-	-	-	-
LUGO-MIRA LOMA NO. 1&2	4538	500kV	-	1,786,455	-	1,786,455	-	-	-	-	-	-
DESERT REGION 115KV LINES	4570	115kV	-	65,428	232,939	298,367	-	-	-	-	-	-
DEVERS-VALLEY 500 KV LNS	4587	500kV	-	25,661	-	25,661	-	-	-	-	-	-
BAILEY-PARDEE 220 KV LN	4601	220kV	-	228,226	-	228,226	-	-	-	-	-	-
ISO 66KV T/L-NORTHERN REG	4603	66kV	-	-	36,790	36,790	-	-	-	-	-	-
33&66KV LNS IN NRTHEN T/S	4605	66kV	-	83,940	-	83,940	-	-	-	-	-	-
ANTELOPE-MAGUNDEN 220 KV	4607	220kV	-	16,624	-	16,624	-	-	-	-	-	-
MOORPARK-PARDEE 200KV LN	4625	220kV	-	117,440	-	117,440	-	-	-	-	-	-
ANTELOPE-PARDEE	4644	220kV	3,934,890	-	-	3,934,890	3,934,890	-	-	-	-	-
PARDEE-SYLMAR 220 KV LN	4645	220kV	-	79,668	-	79,668	-	-	-	-	-	-
CORONA-JEFFERSON 66 KV LN	4705	66kV	243,215	3,296	-	246,510	96,898	841,092	-	-	321,805	-

**SOUTHERN CALIFORNIA EDISON COMPANY**

12-31-2017 Facilities

**TRANSMISSION SUBSTATION FACILITIES**

DESCRIPTION	LOCATION NUMBER	Voltage	TRANSMISSION ACCOUNTS			A/C 350-353 TOTAL	ISO RELATED			NON-ISO RELATED PLANT		
			A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment		A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment	A/C 350 Land & Land Rights	A/C 352 Structures & Improvements	A/C 353 Station Equipment
ANTELOPE-WINDHUB 500KV LN	4708	500kv	16,945,980	-	-	16,945,980	16,945,980	-	-	-	-	-
WINDHUB-HIGHWIND 230KV LN	4709	220kv	3,722,045	-	-	3,722,045	3,722,045	-	-	(11)	-	-
WHIRLWIND-WINDHUB 500KV L	4711	500kv	71,262	-	-	71,262	71,262	-	-	31,613	13,500	2,147
ANTELOPE - VINCENT #2 500KV	4712	500kv	11,885,452	-	-	11,885,452	11,885,452	-	-	634,504	-	-
LAGUNA-BELL 220KV	4714	220KV	-	128,617	-	128,617	-	-	-	-	-	-
CIMA-ELDO-PISGH	4717	220kv	-	13,271	-	13,271	-	-	-	-	-	-
COLWTR-KRMR;LUGO-VICTR220	4725	220kv	-	104,920	-	104,920	-	-	-	-	-	-
LEE VINING-LUNDY 55K 4771	4730	55kv	10,585	-	-	10,585	-	-	-	2,931	1,534,075	711,670
ELDORADO-IVANPAH NO 1&2 - CA	4733	220kv	-	-	-	-	-	-	-	11,739,458	204,098	1,202,269
ELDORADO-IVANPAH NO 1&2 - NV	4734	220kv	352,196	-	-	352,196	352,196	-	-	23	-	-
BISHOP CRK55&115KV LINES	4735	115kv	(11)	-	-	(11)	-	-	-	38,460	-	-
LUGO-MOHAVE 500KV	4740	500KV	-	7,296	-	7,296	-	-	-	-	-	-
115 KV LNS, ESTN T/S REG	4750	115kv	16,296,042	23,906	731,547	17,051,495	4,573,434	79,512	468,378	3,146	-	-
LUGO-VICTORVILLE 500KV	4754	500kv	-	51,478	-	51,478	-	-	-	-	-	-
DEVERS-SN BRDNO 220 KV LN	4756	220kv	1,079,577	16,401	-	1,095,978	1,079,577	16,401	-	-	-	-
BLYTHE-EAGLE MT 161 KV LN	4759	161kv	33,310	-	-	33,310	33,310	-	-	563,121	-	35,918
CONTROL-MORGAN 55 KV LN	4770	55KV	-	2,107,855	-	2,107,855	-	-	-	-	-	-
HOOVER-CLWTR 115 KV LN	4781	115kv	1,277	-	-	1,277	1,255	-	-	53,165	-	-
HOOVER-CLWTR 115 KV LN	4782	115kv	165,196	-	-	165,196	165,196	-	-	517	-	-
SERRANO-VILLA PARK 220KV	4889	220kv	-	37,274	-	37,274	-	-	-	-	-	-
LUGO-VICTOR 220KV LN	4935	220kv	-	31,685	-	31,685	-	-	-	-	-	-
SAN JACINTO REGION 115KV	4950	115kv	-	194,275	434,433	628,708	-	-	-	-	-	-
DEVERS-VALLEY 500KV	4987	500kv	-	6,441	-	6,441	-	-	-	-	-	-
BIG CREEK 4-MGNDN 220KV	4221	220kv	-	55,314	585,258	640,571	-	-	-	-	-	-
ANTELOPE-MAGUNDEN 220KV	4707	220kv	-	806,842	-	806,842	-	-	-	-	-	-
ANTELOPE-WHIRLWIND 500KV LN	4710	500kv	15,629,673	-	-	15,629,673	15,629,673	-	-	-	-	-
BARRE 1&2-VILLA PARK 220K	4818	220kv	-	44,702	-	44,702	-	-	-	-	-	-
ELLIS-HNGTN BCH#1-4 220KV	4820	220kv	-	66,658	26,618	93,275	-	-	-	-	-	-
<b>TOTAL TRANSMISSION SUBSTATIONS</b>			<b>\$ 343,032,316</b>	<b>\$ 866,447,251</b>	<b>\$ 5,857,360,094</b>	<b>\$ 7,066,839,661</b>	<b>\$ 252,657,482</b>	<b>\$ 561,165,292</b>	<b>\$ 3,383,116,229</b>	<b>\$ 57,367,954</b>	<b>\$ 302,484,453</b>	<b>\$ 2,473,977,812</b>
<b>Recalc based on all other TS locations</b>												
<b>Allocation % to use</b>							<b>73.65%</b>	<b>64.77%</b>	<b>57.76%</b>	<b>16.72%</b>	<b>34.91%</b>	<b>42.24%</b>
DIV MTCE / OVERHAUL MNGT	1000	66kv	-	-	6,285	6,285	-	-	3,630	-	-	2,655
MOUNTAINVIEW POWER-COMMON	1250	220kv	-	-	23,588,992	23,588,992	-	-	13,624,619	-	-	9,963,301
PALOVERDE-SWITCHYARD	1869	500kv	-	2,465,520	7,901,074	10,366,594	-	1,596,825	4,563,532	-	860,735	3,337,183
PV UNIT 1-INCREMENTAL	1870	500kv	-	-	194,959	194,959	-	-	112,605	-	-	82,345
BIG CREEK NO.2	2212	220kv	-	-	1,516,246	1,516,246	-	-	875,759	-	-	640,418
BIG CREEK NO.2A	2234	220kv	-	-	1,031,434	1,031,434	-	-	595,739	-	-	435,648
MET T/S REGION	4300	220kv	-	131,348	15,463	146,811	-	85,069	8,931	-	45,855	6,531
COASTAL T/S REGION	4400	66kv	3,127	433,988	92,729	529,844	2,303	281,078	53,559	523	151,509	39,166
EASTERN T/S REGION	4500	66kv	-	78,929	916,891	995,820	-	51,119	529,581	-	27,555	387,268
NRTHN T/S REGION	4600	66kv	-	1,987,424	-	1,987,424	-	1,287,179	-	-	693,827	-
EASTERN T/S REG	4700	220kv	33,305	181,044	591,382	805,732	24,530	117,256	341,573	5,570	63,204	249,783
HUMAN EXTERNAL CARGO TRAINING SITE	4799	66kv	-	321,805	-	321,805	-	208,421	-	-	112,345	-
VAR. TRANS. LINES-S/E DIV	4800	115kv	2,931	1,534,075	711,670	2,248,676	2,159	993,563	411,049	490	535,559	300,589
NORTHEASTERN T/S DIV.	4900	66kv	-	1,552,146	-	1,552,146	-	1,005,267	-	-	541,868	-
SUBSTN DIV	5000	Misc	-	-	3,270,205	3,270,205	-	-	1,888,817	-	-	1,381,239
NO. T/S REG OFC/VALENCIA	5038	Misc	123,342	3,723,403	-	3,846,745	90,846	2,411,508	-	20,627	1,299,873	-
METRO REGION	5100	33kv & Below	-	-	314,746	314,746	-	-	181,792	-	-	132,940
NEENACH SUB	5556	66kv	-	-	416,853	416,853	-	-	240,768	-	-	176,067
BARSTOW NO RGN-SAN BERDOO	6072	CSTM SRVC FAC.	-	7,617	-	7,617	-	4,933	-	-	2,659	-
FRESNO COUNTY	7010	33kv & Below	-	-	1	1	-	-	1	-	-	0
VENTURA COUNTY	7056	33kv & Below	-	-	74,798	74,798	-	-	43,202	-	-	31,592
B&A-T/S 3RD FLOOR-GO3	9010	220kv	-	-	823	823	-	-	476	-	-	348
CHINO OFC BLDG (FACILITY)	9024	Misc	-	373,558	-	373,558	-	241,939	-	-	130,412	-
IRVINE OPER CENTER	9078	Misc	-	8,245	-	8,245	-	5,340	-	-	2,878	-
FUELS	9203	Misc	-	-	341,890	341,890	-	-	197,470	-	-	144,404
INNOVATION VILLAGE 1	9221	Div Offices & Misc	-	-	1,509,815	1,509,815	-	-	872,044	-	-	637,702
CONTROL SYS SEC-ALHAMBRA	9243	Div Offices & Misc	-	375,558	2,962,532	3,338,089	-	243,235	1,711,110	-	131,110	1,251,287
TELECOMM-ALHAMBRA	9330	Misc	-	-	113,566	113,566	-	-	65,594	-	-	47,967
CONWAY SUMMIT COMM SITE	9339	Misc	-	-	14,913	14,913	-	-	8,613	-	-	6,299
INTERNAL ORDER	NTERNALORDEI	Misc	-	-	1,868	1,868	-	-	1,079	-	-	789
CHINO-VILLA PARK 220KV LN	4318-NU	220kv	-	-	-	-	-	-	-	-	-	-
<b>Total Locations Reclac'd</b>			<b>\$ 162,705</b>	<b>\$ 13,174,659</b>	<b>\$ 45,589,134</b>	<b>\$ 58,926,497</b>	<b>\$ 119,839</b>	<b>\$ 8,532,731</b>	<b>\$ 26,331,545</b>	<b>\$ 27,210</b>	<b>\$ 4,599,391</b>	<b>\$ 19,255,519</b>



**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Circuit Miles						Balance by FERC Account (Total Transmission) Current Study					
				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
4031	DWP-EDSN CELILO-SYLMR CA	1000	Lines	8.5939	8.5939	327.5836	327.5836	336.1775	336.1775	-	95,841	-	30,057,612	-	13,999,035
4034	DWP-EDSN CELILO-SYLMR NV	1000	Lines	0.0000	0.0000	289.7250	289.7250	289.7250	289.7250	-	541	-	7,900,095	-	5,631,427
4026	MIDWAY-VINCENT LINES 1&2	500	Lines	0.0000	0.0000	225.4945	225.4945	225.4945	225.4945	2,910,822	8,464	27,105	21,046,212	676,908	22,941,425
4123	LUGO-VINCENT LNES 1&2	500	Lines	0.0000	0.0000	94.3868	94.3868	94.3868	94.3868	1,749,466	-	16,633	13,025,221	103,494	7,195,860
4130	MOHAVE-LUGO 500KV	500	Lines	0.0000	0.0000	9.8530	9.8530	9.8530	9.8530	157,990	-	-	1,471,682	-	517,455
4136	LUGO-ELDORADO LN	500	Lines	0.0000	0.0000	150.6686	150.6686	150.6686	150.6686	1,330,373	-	-	18,436,758	2,050,363	10,609,936
4137	LUGO-ELDORADO LN	500	Lines	0.0000	0.0000	26.5090	26.5090	26.5090	26.5090	16,589	-	-	-	-	4,529,011
4138	LUGO-MIRA LOMA 2&3	500	Lines	0.0000	0.0000	97.5110	97.5110	97.5110	97.5110	9,590,970	2,146,646	98	29,118,310	118,240	18,451,843
4140	MOHAVE-LUGO 500 KV LN	500	Lines	0.0000	0.0000	165.9571	165.9571	165.9571	165.9571	278,112	7,296	-	23,581,896	1,513,721	10,310,625
4141	MOHAVE-ELDORADO LN	500	Lines	0.0000	0.0000	59.3947	59.3947	59.3947	59.3947	76,199	-	-	4,433,880	-	1,251,359
4143	ELDORADO-BORDER 500 KV LN	500	Lines	0.0000	0.0000	29.6458	29.6458	29.6458	29.6458	6,167	-	-	4,051,908	-	1,880,705
4148	MIRA LOMA-SERRANO LN	500	Lines	0.0000	0.0000	39.4600	39.4600	39.4600	39.4600	1,700,240	-	-	21,690,052	26	8,461,748
4154	LUGO-VICTORVLL EDSON-DWP	500	Lines	0.0000	0.0000	7.5735	7.5735	7.5735	7.5735	748,912	51,478	-	1,527,713	-	759,625
4155	MIDWAY-VINCENT LN 3	500	Lines	0.0000	0.0000	60.2449	60.2449	60.2449	60.2449	5,828,378	-	-	20,697,263	1,757,686	7,511,527
4185	DEVERS-PALO VERDE	500	Lines	0.0000	0.0000	243.1000	243.1000	243.1000	243.1000	14,776,950	-	-	294,412,807	2,868,412	138,320,885
4186	DEVERS-PALO VERDE	500	Lines	0.0000	0.0000	112.0458	112.0458	112.0458	112.0458	1,193,710	-	-	22,883,128	-	24,561,685
4187	DEVERS-VALLEY LNS 1,2	500	Lines	0.0000	0.0000	83.2024	83.2024	83.2024	83.2024	10,444,073	32,102	-	222,097,800	306,070	48,902,329
4188	SERRANO-VALLEY LN	500	Lines	0.0000	0.0000	40.8000	40.8000	40.8000	40.8000	2,855,109	237,613	-	24,427,510	514,984	14,833,343
4191	VALLEY-INLAND 500KV TL	500	Lines	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	-	3,058	12,338	4,980
4360	MIRA LOMA - VINCENT 500 KV LINE	500	Lines	0.0000	0.0000	97.4297	97.4297	97.4297	97.4297	25,654,145	1,358,932	-	380,266,465	75,721,072	163,351,314
4708	ANTELOPE-WINDHUB 500KV LN	500	Lines	0.0000	0.0000	25.4500	25.4500	25.4500	25.4500	16,945,980	-	-	14,032,500	30,806,236	20,048,113
4710	ANTELOPE-WHIRLWIND 500KV LN	500	Lines	0.0000	0.0000	14.4900	14.4900	14.4900	14.4900	15,629,673	-	-	41,764,161	-	38,660,234
4711	WHIRLWIND-WINDHUB 500KV L	500	Lines	0.0000	0.0000	16.1300	16.1300	16.1300	16.1300	71,262	-	-	56,714,233	(10,509)	20,121,886
4712	ANTELOPE - VINCENT #2 500KV	500	Lines	0.0000	0.0000	34.8200	34.8200	34.8200	34.8200	11,885,452	-	-	167,651,702	6,874,070	50,353,282
4716	ANTELOPE-VINCENT #1 500 KV	500	Lines	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	-	433,195	-	-
4045	PARDEE-SYLMAR LNES 1&2	220	Lines	0.0000	0.0000	12.9963	12.9963	12.9963	12.9963	187,213	106,089	-	701,607	-	453,192
4046	EAGLE ROCK-SYLMAR LNE	220	Lines	0.0000	0.0000	1.7900	1.7900	1.7900	1.7900	186,657	-	-	214,409	-	62,108
4051	PARDEE-VINCENT LN 1	220	Lines	0.0000	0.0000	32.3250	32.3250	32.3250	32.3250	-	-	-	316,356	-	204,878
4059	PARDEE-VINCENT LINE CONST	220	Lines	0.0000	0.0000	2.7390	2.7390	2.7390	2.7390	13,002	-	-	966,737	-	202,343
4070	RIO HONDO-VINCENT LN 2	220	Lines	0.0000	0.0000	4.4240	4.4240	4.4240	4.4240	61,040	-	-	437,205	-	232,146
4101	MANY TRANSMISSION LINES	220	Lines	0.0000	0.0000	352.2007	344.5212	352.2007	344.5212	1,449,844	619,164	98,475	22,370,693	2,072,856	31,326,744
4102	COGEN/RENEWABLE ENERGY SO	220	Lines	0.0000	0.0000	8.4268	4.7799	99.2975	99.2883	1,466,128	-	-	2,912,573	546,056	4,688,352
4104	DEVERS-HINS LN, OTHERS	220	Lines	0.0415	0.0415	158.6670	150.2931	158.7085	150.3346	1,331,335	82,149	49,406	19,669,360	15,270,459	34,408,928
4107	ANTELOPE/MESA LINE, OTHER	220	Lines	0.0000	0.0000	185.6596	185.6596	185.6596	185.6596	4,267,463	1,144,464	-	126,519,689	6,772,195	56,799,403
4108	CHINO-SERRANO/SN ONFRE LN	220	Lines	0.0000	0.0000	169.5620	169.5582	169.5620	169.5582	8,072,178	3,409,188	-	14,783,113	1,552,075	14,496,208
4109	COACHELLA VALLEY-DEVERS (SCE PO)	220	Lines	0.0000	0.0000	0.3826	0.3826	0.3826	0.3826	-	25,255	-	-	-	467,285
4111	BIG CRK 3-BIG CRK 4	220	Lines	0.0000	0.0000	5.7906	5.7906	5.7906	5.7906	1,944	-	-	133,734	-	284,487
4113	BIGCRK-SPRGVL, MGDN-SPRGV	220	Lines	0.0000	0.0000	99.2975	99.2883	99.2975	99.2883	874,872	23,989	-	20,160,070	77,664,280	16,574,377
4114	ALAMITOS-MESA LN, OTHERS	220	Lines	0.00	0.00	129.55	123.63	129.55	123.63	3,210,534	942,710	661,182	13,329,736	2,228,041	12,713,278
4115	HINSON-LIGHTHIPE 1&2	220	Lines	0.00	0.00	27.07	27.07	27.07	27.07	1,607,024	616,675	2,149	3,599,135	498,077	2,127,313
4116	HINSON-LAFRESA, OTHERS	220	Lines	0.95	0.95	90.45	90.45	91.41	91.41	3,594,552	292,663	108,948	3,216,620	10,760,418	6,714,418
4117	ELDRDO-CIMA-PISGAH LN1,2	220	Lines	0.00	0.00	334.26	334.26	334.26	334.26	1,005,237	24,292	12,857	25,462,566	4,938,337	12,076,607
4118	MRA LMA-VLL PK LNS, OTHR	220	Lines	0.00	0.00	159.67	132.05	159.67	132.05	5,612,274	734,986	2,260	18,358,731	519,408	14,596,471
4119	CENTER-MESA LN, OTHERS	220	Lines	0.00	0.00	131.30	104.46	131.30	104.46	2,101,337	261,867	101	30,876,579	85,176	26,689,495
4120	ALAMITOS-CENTER, OTHERS	220	Lines	0.00	0.00	150.09	133.31	150.09	133.31	4,271,251	518,175	29,998	8,621,812	880,665	7,044,159
4121	BIG CREEK 4-SPRNGVLL-MGDN	220	Lines	0.00	0.00	135.41	135.41	135.41	135.41	353,928	55,314	585,258	22,082,405	206,524	3,933,346
4125	GOLETA-SNTA CLARA, OTHERS	220	Lines	0.00	0.00	414.75	308.59	414.75	308.59	11,507,952	1,182,283	1,918	32,109,894	2,266,308	14,663,780
4127	NORTH BOULDER-MEAD, OTHER	220	Lines	0.00	0.00	85.09	53.95	85.0888	53.9521	19,842	-	-	647,655	462,057	549,803
4135	LUGO-VICTOR LNS, OTHER	220	Lines	0.00	0.00	206.14	117.41	206.14	117.41	1,783,352	110,212	-	8,321,004	1,196,278	8,508,904
4135	LUGO-VICTOR LNS, OTHER	115	Lines	0.00	0.00	49.48	49.48	49.48	49.48	428,058	26,454	-	1,997,289	287,142	2,042,390
4144	ELDORADO-MEAD LNS 1&2	220	Lines	0.00	0.00	30.64	30.64	30.64	30.64	9,994	-	-	473,674	358,194	429,215
4147	VINCENT-PARDEE LN 2	220	Lines	0.00	0.00	29.69	29.69	29.69	29.69	3,884,037	-	1,880	2,765,700	-	12,302,825
4153	VINCENT-PEARBLOSSOM LN	220	Lines	0.00	0.00	13.13	0.00	13.13	0.00	309,032	-	-	60,375	1,200,430	308,138
4156	ELLIS-SANTIAGO LNS 1,2	220	Lines	0.00	0.00	29.49	29.49	29.49	29.49	12,019,808	-	-	2,262,700	6,476,819	2,971,326
4157	RIO HONDO-VINCENT NO. 2 220/500	220	Lines	0.00	0.00	48.18	48.18	48.18	48.18	105,605	18,610	-	280,540,562	17,034,640	66,247,303
4166	BIG CRK 2-BIG CRK 8	220	Lines	0.00	0.00	9.03	9.03	9.03	9.03	9,034	-	-	164,051	-	136,431

**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Circuit Miles						Balance by FERC Account (Total Transmission) Current Study					
				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
4168	BIG CRK 3-MAMMOTH POOL	220	Lines	0.00	0.00	6.50	0.00	6.50	0.00	4,331	523,515	-	262,365	-	526,631
4169	BIG CRK 1-RECTOR, OTHER	220	Lines	0.00	0.00	372.22	362.80	372.22	362.80	11,554,667	57,762	2,701	14,214,415	17,865,246	14,824,673
4189	SERRANO-VILLA PK LN 1,2,3	220	Lines	0.00	0.00	6.50	6.50	6.50	6.50	78,248	37,274	-	1,521,458	-	1,397,144
4193	BIG CRK 1-EASTWOOD	220	Lines	0.00	0.00	4.66	0.00	4.66	0.00	-	-	-	4,152,836	64,888	2,461,080
4207	E.MAGUNDEN-ANTELOPE 220KV	220	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	25,798	-	-	-	-
4644	ANTELOPE-PARDEE	220	Lines	0.00	0.00	26.39	26.39	26.39	26.39	3,934,890	-	-	86,001,617	7,668,801	39,491,922
4709	WINDHUB-HIGHWIND 230KV LN	220	Lines	0.00	0.00	9.60	9.60	9.60	9.60	3,722,045	-	-	33,223,530	-	14,975,005
4733	ELDORADO-IVANPAH NO 1&2 - CA	220	Lines	0.00	0.00	10.32	10.32	10.32	10.32	-	-	-	25,282,715	269,971	20,581,574
4734	ELDORADO-IVANPAH NO 1&2 - NV	220	Lines	0.00	0.00	58.48	58.48	58.48	58.48	352,196	-	-	49,174,369	666,768	164,308,741
4756	DEVERS-SN BRDNO 220 KV LN	220	Lines	0.00	0.00	120.31	120.42	120.31	120.42	1,079,577	16,401	-	6,958,865	568,180	4,604,528
4792	COGEN/RENEW ENERGY 220KV & ABC	220	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	106,127
4759	BLYTHE-EAGLE MT 161 KV LN	161	Lines	0.00	0.00	52.88	52.88	52.88	52.88	33,310	-	-	-	2,727,822	331,263
4731	POOLE-LEE VINING 115KV LI	115	Lines	0.00	0.00	6.34	0.00	6.34	0.00	-	-	-	-	206,907	40,739
4732	RUSH CRK-LEE VINING 115KV	115	Lines	0.00	0.00	15.25	0.00	15.25	0.00	-	-	-	-	481,187	218,075
4735	BISHOP CRK55&115KV LINES	115	Lines	0.00	0.00	12.99	0.00	12.99	0.00	(11)	-	-	11,677	821,169	262,825
4750	115 KV LNS, ESTN T/S REG	115	Lines	13.80	0.22	1644.03	464.57	1657.83	464.78	16,312,892	283,609	1,670,647	4,348,275	177,544,643	58,126,667
4781	HOOVER-CLWTR 115 KV LN	115	Lines	0.00	0.00	21.00	20.62	21.00	20.62	1,277	-	-	98,307	43,204	94,968
4782	HOOVER-CLWTR 115 KV LN	115	Lines	0.00	0.00	72.74	73.09	72.74	73.09	165,196	-	-	327,795	1,719,592	811,371
4105	33 AND 66 KV LINES	66	Lines	335.46	0.00	4642.98	33.74	4978.44	33.74	33,189,895	9,075,445	2,609,268	19,751,276	754,682,707	198,579,433
4106	COGEN/RENEW ENGY SOURCES	115	Lines	5.71	0.00	52.35	0.00	58.05	0.00	563,121	-	35,918	(0)	14,551,011	5,018,882
4124	BIG CRK 1-CMP TEN--PRTL	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	485	-	-	48,890	312,251	202,022
4128	LYTLE CREEK-POLE 534694E	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	1,240	1,277
4129	KERN RIVER3-VESTAL 66 KV	66	Lines	0.00	0.00	88.60	0.00	88.60	0.00	38,460	-	-	345,087	1,489,401	931,818
4132	CUMMINGS-KERBN RIV1, OTHE	66	Lines	0.00	0.00	3.80	0.00	3.80	0.00	3,146	-	-	60,500	175,424	100,414
4133	BOREL---WALKER 66KV LN	66	Lines	0.00	0.00	39.02	0.00	39.02	0.00	53,165	-	-	7,516	11,337,510	713,097
4139	SPRGVLL-TULE 66KV LN	66	Lines	0.00	0.00	2.23	0.00	2.23	0.00	517	-	-	-	995,139	162,711
4142	BOREL-WELDON 66KV LN	66	Lines	0.00	0.00	31.53	0.00	31.53	0.00	25,409	-	-	-	3,864,065	1,142,783
4149	SANTA ANA LNS 1,2,3	66	Lines	0.00	0.00	3.99	0.00	3.99	0.00	232	-	-	-	60,363	26,752
4705	CORONA-JEFFERSON 66 KV LN	66	Lines	0.22	0.00	105.29	42.04	105.51	42.04	243,215	2,111,150	-	-	12,128,126	2,454,496
4730	LEE VINING-LUNDY 55K 4771	55	Lines	0.00	0.00	7.22	0.00	7.22	0.00	10,585	-	-	159,885	461,329	298,967
4158	LUCERNE-LUGO/MIRA LOMA LN	500	Lines	0.00	0.00	1.00	1.00	1.00	1.00	498,252	-	-	-	-	-
4300	MET T/S REGION	220	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	131,348	15,463	-	238,431	-
4400	COASTAL T/S REGION	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	3,127	433,988	92,729	-	665,151	96,096
4500	EASTERN T/S REGION	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	78,929	916,891	521,868	497,069	1,526,137
4600	NRTHN T/S REGION	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	1,987,424	-	-	600,851	129
4700	EASTERN T/S REG	220	Lines	0.00	0.00	0.00	0.00	0.00	0.00	33,305	181,044	591,382	913	600,240	913
4799	HUMAN EXTERNAL CARGO TRAINING	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	321,805	-	2,640,369	-	548,749
4800	VAR. TRANS. LINES-S/E DIV	115	Lines	0.00	0.00	0.00	0.00	0.00	0.00	2,931	1,534,075	711,670	559,885	1,090,602	1,226,842
4900	NORTHEASTERN T/S DIV.	66	Lines	0.00	0.00	0.00	0.00	0.00	0.00	-	1,552,146	-	-	1,551,239	205,618
2236	BIG CREEK NO.4	220	100% Subs	Allocated according to substation percentage						-	-	4,842,008	-	-	-
2570	INYO	220	100% Subs	Allocated according to substation percentage						-	287,755	4,197,276	-	-	-
5001	METRO GOM MAINT	500	100% Subs	Allocated according to substation percentage						-	-	47,719,606	-	-	-
5019	HARBORGEN SUB	220	100% Subs	Allocated according to substation percentage						-	18,729	3,991,930	-	-	-
5026	EL SEGUNDO SWITCHRACK SUB	220	100% Subs	Allocated according to substation percentage						12,470	102,005	2,245,678	-	-	-
5032	MIDWAY SUB	500	100% Subs	Allocated according to substation percentage						-	396,679	190,211	-	-	-
5036	PASTORIA SUB	220	100% Subs	Allocated according to substation percentage						21,435	1,279,909	13,186,655	-	-	-
5044	CLWTR SWITCHRACKS 1,2	115	100% Subs	Allocated according to substation percentage						-	-	1,476,690	-	-	-
5045	MOHAVE SWITCHRACK	500	100% Subs	Allocated according to substation percentage						-	3,879,581	8,435,508	-	-	-
5047	RANCHO VISTA SUB	500	100% Subs	Allocated according to substation percentage						1,844,367	22,793,802	154,023,670	-	-	-
5054 & 895	Vincent	500	100% Subs	Allocated according to substation percentage						17,324,279	18,062,067	216,319,752	-	-	-
5058	SYLMAR SUB	1000	100% Subs	Allocated according to substation percentage						-	19,757	1,948,141	-	-	-
5061	LUGO SUB	500	100% Subs	Allocated according to substation percentage						90,983	23,115,678	145,794,754	-	-	-
5065	PISGAH SUB	220	100% Subs	Allocated according to substation percentage						-	97,920	3,793,106	-	-	-
5089	LEWIS SUB	220	100% Subs	Allocated according to substation percentage						1,444	186,750	5,320,551	-	-	-
5091	MEAD SUB	500	100% Subs	Allocated according to substation percentage						-	-	12,306	-	-	-

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Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Circuit Miles						Balance by FERC Account (Total Transmission) Current Study					
				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
5092	MOENKOPI SUB	500	100% Subs	Allocated according to substation percentage						-	-	1,516,885	-	-	-
5094	EAST SERIES CAPACITORS 1	500	100% Subs	Allocated according to substation percentage						-	857,212	8,328,446	-	-	-
5097	PALO VERDE SWITCHRACK SUB	500	100% Subs	Allocated according to substation percentage						-	47,541	6,858,680	-	-	-
8060	WHIRLWIND SUB	500	100% Subs	Allocated according to substation percentage						-	36,282,674	182,638,985	-	-	-
8084	HIGHWIND SUB	220	100% Subs	Allocated according to substation percentage						-	7,461,340	4,049,761	-	-	-
8367	COLORADO RIVER SUB	500	100% Subs	Allocated according to substation percentage						-	39,933,439	135,825,015	-	-	-
8372	PRIMM SUBSTATION	220	100% Subs	Allocated according to substation percentage						-	520,141	30,657,676	-	-	-
8960	WEST TRANSITION	500	100% Subs	Allocated according to substation percentage						-	16,035,817	12,344,896	-	-	-
8932	MIDWAY-PAC INTERTIE	500	100% Subs	Allocated according to substation percentage						-	162,585	13,930,693	-	-	-
8950	PARDEE-PAC INTERTIE	220	100% Subs	Allocated according to substation percentage						-	55,269	942,130	-	-	-
9219	RP&AS,LND&ESMNT REQUIS	220	100% Subs	Allocated according to substation percentage						8,633,706	45,883	-	-	-	-
5090	EL DORADO SUB(NEVADA)	500	100% Subs	Allocated according to substation percentage						13,183	29,974,957	195,146,052	-	-	-
5080	SERRANO SUB	500	100% Subs	Allocated according to substation percentage						1,226,475	28,453,405	175,132,904	-	-	-
5093	WEST SERIES CAPACITORS	500	100% Subs	Allocated according to substation percentage						-	1,782,298	45,836,052	-	-	-
8958	SVLMAR-PAC INTERTIE	1000	100% Subs	Allocated according to substation percentage						51,663	7,758,498	119,242,093	2,505,376	-	359,913
5010	T.M. GOODRICH SUB-PASADEN	220	100% Subs	Allocated according to substation percentage						-	277,076	35,398	-	-	-
5018	DRYCREEKWIND SUB	220	100% Subs	Allocated according to substation percentage						-	(0)	0	-	-	-
8363	IVANPAH SUB	220	100% Subs	Allocated according to substation percentage						-	14,156,297	32,056,638	-	-	-
8369	RED BLUFF SUB	500	100% Subs	Allocated according to substation percentage						-	93,373,849	111,627,933	-	-	-
INTERNALORD INTERNAL ORDER				Allocated according to substation percentage						-	-	1,868	-	-	-
1451	EDISON ITAC		0% Subs	Allocated according to substation percentage						-	-	35,855	-	-	-
2150	MAMMOTH POOL LAKE-FP 2085	220	0% Subs	Allocated according to substation percentage						-	-	24,016	-	-	-
2202	BIG CREEK CANYON	33	0% Subs	Allocated according to substation percentage						-	-	1,641,022	-	-	-
2237	PORTAL POWER PLANT	33	0% Subs	Allocated according to substation percentage						-	-	68,246	-	-	-
2238	MAMMOTH POOL	220	0% Subs	Allocated according to substation percentage						-	-	2,840,762	-	-	-
2239	EASTWOOD POWER STATION	220	0% Subs	Allocated according to substation percentage						-	627,754	4,940,311	-	-	-
2300	HYDRO PRODUCTION		0% Subs	Allocated according to substation percentage						-	-	10,367	-	-	-
2301	SNTA ANA RV&MILL CRK CNYN	33	0% Subs	Allocated according to substation percentage						-	-	421,924	-	-	-
2303	LYTLE CRK&SN ANTONIO CNYN	33	0% Subs	Allocated according to substation percentage						-	-	140,226	-	-	-
2305	KERN RIVER CANYON	66	0% Subs	Allocated according to substation percentage						-	-	692,140	-	-	-
2307	KAWEAH RIVER CANYON	66	0% Subs	Allocated according to substation percentage						-	-	572,929	-	-	-
2309	SAN GORGONIO CANYON	33	0% Subs	Allocated according to substation percentage						-	-	193,975	-	-	-
2313	KERN RIVER NO.1	66	0% Subs	Allocated according to substation percentage						-	4,184	354,262	-	-	-
2314	BOREL	66	0% Subs	Allocated according to substation percentage						-	1,383	259,591	-	-	-
2315	SANTA ANA NO.1	33	0% Subs	Allocated according to substation percentage						-	-	36,406	-	-	-
2317	SANTA ANA NO.3	33	0% Subs	Allocated according to substation percentage						-	-	14,930	-	-	-
2318	MILL CREEK NO.1	33	0% Subs	Allocated according to substation percentage						1,464	-	7,316	-	-	-
2319	MILL CREEK NO.2&3	33	0% Subs	Allocated according to substation percentage						-	-	52,080	-	-	-
2324	KAWEAH NO.1	66	0% Subs	Allocated according to substation percentage						-	-	48,507	-	-	-
2325	KAWEAH NO.2	66	0% Subs	Allocated according to substation percentage						-	2,694	49,126	-	-	-
2326	KAWEAH NO.3	66	0% Subs	Allocated according to substation percentage						-	-	57,269	-	-	-
2327	LOWER TULE RIVER	66	0% Subs	Allocated according to substation percentage						-	-	50,834	-	-	-
2328	KERN RIVER NO.3	66	0% Subs	Allocated according to substation percentage						-	-	508,392	-	-	-
2331	ONTARIO NO.1	66	0% Subs	Allocated according to substation percentage						-	-	205,914	-	-	-
2500	EASTERN HYDRO REGION	55	0% Subs	Allocated according to substation percentage						-	7,254	310,778	-	-	-
2501	BISHOP CREEK CANYON		0% Subs	Allocated according to substation percentage						-	-	697,220	-	-	-
2503	MONO BASIN	115	0% Subs	Allocated according to substation percentage						-	-	196,344	-	-	-
2560 & 2511	Lundy	55	0% Subs	Allocated according to substation percentage						-	317,627	5,816,830	-	-	-
2512	POOLE	115	0% Subs	Allocated according to substation percentage						-	-	120,052	-	-	-
2514	RUSH CREEK	115	0% Subs	Allocated according to substation percentage						-	-	175,912	-	-	-
2522	BISHOP CREEK NO.2	55	0% Subs	Allocated according to substation percentage						-	-	80,487	-	-	-
2523	BISHOP CREEK NO.3	55	0% Subs	Allocated according to substation percentage						-	-	1,841,377	-	-	-
2524	BISHOP CREEK NO.4	55	0% Subs	Allocated according to substation percentage						-	-	88,569	-	-	-
2525	BISHOP CREEK NO.5	55	0% Subs	Allocated according to substation percentage						-	-	43,037	-	-	-
2526	BISHOP CREEK NO.6	55	0% Subs	Allocated according to substation percentage						-	-	39,098	-	-	-

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				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
2553	FISH LAKE VALLEY METERING	55	0% Subs	Allocated according to substation percentage						-	1,343	12,150	-	-	-
2557	CASA DIABLO	115	0% Subs	Allocated according to substation percentage						2,119	290,687	4,325,913	-	-	-
2561	LEE VINING	115	0% Subs	Allocated according to substation percentage						344	261,722	2,099,225	-	-	-
2571	SHERWIN	115	0% Subs	Allocated according to substation percentage						-	100,772	1,168,976	-	-	-
2582	ZACK	55	0% Subs	Allocated according to substation percentage						400,881	-	655,406	-	-	-
2598	MT. TOM	55	0% Subs	Allocated according to substation percentage						-	-	(230)	-	-	-
3717	DAF INDAL 500KW WND TURBN	33	0% Subs	Allocated according to substation percentage						714	-	-	-	-	-
5016	LEBEC SUBSTATION	220	0% Subs	Allocated according to substation percentage						-	-	15,138	-	-	-
5022	ARCOGEN SUB	220	0% Subs	Allocated according to substation percentage						-	-	963,824	-	-	-
5046	CLWTR SWITCHRACK 3,4 SUB	220	0% Subs	Allocated according to substation percentage						48,136	156,227	3,179,929	-	-	-
5048	MANDALAY SWITCHRACK SUB	220	0% Subs	Allocated according to substation percentage						49,104	29,546	2,561,161	-	-	-
5049	ORMOND BCH SWITCHRACK SUB	220	0% Subs	Allocated according to substation percentage						158,170	34,483	5,924,405	-	-	-
5051	SAUGUS SUB	66	0% Subs	Allocated according to substation percentage						13,373	3,072,675	63,452,641	-	-	-
5066	GENE SUB	220	0% Subs	Allocated according to substation percentage						-	30,050	2,169,522	-	-	-
5068	CAMINO SUB	220	0% Subs	Allocated according to substation percentage						-	12,697	4,017,494	-	-	-
5072	VELASCO SUB	220	0% Subs	Allocated according to substation percentage						-	-	155,442	-	-	-
5078	HUNTINGTON BCH SWITCHRCK	220	0% Subs	Allocated according to substation percentage						21,660	70,925	4,891,312	-	-	-
5095	TRITON SUB	115	0% Subs	Allocated according to substation percentage						2,415,092	2,377,671	26,468,859	-	-	-
5101	ALHAMBRA SUB	66	0% Subs	Allocated according to substation percentage						-	83,447	3,061,167	-	-	-
5107	BANDINI SUB	66	0% Subs	Allocated according to substation percentage						4,583	16,136	-	-	-	-
5109	BICKNELL SUB	33	0% Subs	Allocated according to substation percentage						-	-	2,451	-	-	-
5112	THUMSGEN SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	2,049	-	-	-
5116	RUSH SUB	66	0% Subs	Allocated according to substation percentage						-	-	6,165	-	-	-
5141	ROSEMEAD SUB	66	0% Subs	Allocated according to substation percentage						-	38,757	22	-	-	-
5158	ARROYO SUB	66	0% Subs	Allocated according to substation percentage						-	-	123	-	-	-
5161	AMADOR SUB	66	0% Subs	Allocated according to substation percentage						-	-	(47,687)	-	-	-
5162	FAIR OAKS SUB	33	0% Subs	Allocated according to substation percentage						-	-	17,195	-	-	-
5165	JPL SUB	66	0% Subs	Allocated according to substation percentage						-	-	3,666	-	-	-
5167	MAYFLOWER SUB	33	0% Subs	Allocated according to substation percentage						-	-	91,972	-	-	-
5170	TEMPLE SUB	33	0% Subs	Allocated according to substation percentage						-	-	17,367	-	-	-
5178	KIRK WALL SUBSTATION	66	0% Subs	Allocated according to substation percentage						3,995	-	-	-	-	-
5179	RAVENDALE SUB	66	0% Subs	Allocated according to substation percentage						-	11,112	-	-	-	-
5185	CITRUS SUB	66	0% Subs	Allocated according to substation percentage						-	-	37,984	-	-	-
5186	CORTEZ SUB	66	0% Subs	Allocated according to substation percentage						-	16,955	31,589	-	-	-
5196	RAILROAD SUB	66	0% Subs	Allocated according to substation percentage						-	57,470	4,078	-	-	-
5198	ALHAMBRA DIST SUB TRG FAC	66	0% Subs	Allocated according to substation percentage						-	25,705	2,046,562	-	-	-
5204	CULVER CITY SUB	66	0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
5207	SEPULVEDA SUB	66	0% Subs	Allocated according to substation percentage						-	41,604	-	-	-	-
5211	INGLEWOOD SUB	66	0% Subs	Allocated according to substation percentage						-	15,404	-	-	-	-
5213	LENNOX SUB	66	0% Subs	Allocated according to substation percentage						-	25,054	17,794	-	-	-
5224	PEARL SUB	33	0% Subs	Allocated according to substation percentage						-	14,955	-	-	-	-
5235	WINDSOR HILLS SUB	66	0% Subs	Allocated according to substation percentage						-	1,766	17,508	-	-	-
5236	VALDEZ SUB	66	0% Subs	Allocated according to substation percentage						-	-	24,710	-	-	-
5238	LAWNDALE SUB	33	0% Subs	Allocated according to substation percentage						-	25,781	-	-	-	-
5241	YUKON SUB	66	0% Subs	Allocated according to substation percentage						4,415	-	-	-	-	-
5250	SAWTELLE SUB	66	0% Subs	Allocated according to substation percentage						-	25,891	-	-	-	-
5257	BRIDGE SUB	66	0% Subs	Allocated according to substation percentage						-	14,957	-	-	-	-
5259	STIRRUP SUB	33	0% Subs	Allocated according to substation percentage						-	14,955	-	-	-	-
5273	STANHILL SUB	66	0% Subs	Allocated according to substation percentage						-	-	0	-	-	-
5315	LAUREL SUB	66	0% Subs	Allocated according to substation percentage						-	-	10,362,398	-	-	-
5325	STRATHMORE SUB	66	0% Subs	Allocated according to substation percentage						-	-	14,877	-	-	-
5333	WOODVILLE SUB	66	0% Subs	Allocated according to substation percentage						-	302	74,641	-	-	-
5352	LINE CREEK SUB	33	0% Subs	Allocated according to substation percentage						-	-	9,627	-	-	-
5357	CUMMINGS SUB	66	0% Subs	Allocated according to substation percentage						-	-	103,578	-	-	-
5358	MONOLITH SUB	66	0% Subs	Allocated according to substation percentage						-	234	1,261,397	-	-	-
5365	ACTON SUB	66	0% Subs	Allocated according to substation percentage						24,167	-	15,397	-	-	-

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				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
5374	RIVERWAY SUB	66	0% Subs	Allocated according to substation percentage						801,825	-	-	-	-	-
5375	MASCOT SUBSTATION	66	0% Subs	Allocated according to substation percentage						573,588	-	-	-	-	-
5504	CASITAS SUB	66	0% Subs	Allocated according to substation percentage						-	-	(251)	-	-	-
5506	CHANNEL ISLANDS SUB	66	0% Subs	Allocated according to substation percentage						-	116,483	-	-	-	-
5507	ORTEGA SUB	66	0% Subs	Allocated according to substation percentage						-	-	24,357	-	-	-
5508	DEL SUR SUB	66	0% Subs	Allocated according to substation percentage						-	-	424,747	-	-	-
5510	FILLMORE SUB	66	0% Subs	Allocated according to substation percentage						-	5,566	-	-	-	-
5511	GOLDTOWN SUB	66	0% Subs	Allocated according to substation percentage						-	-	526,259	-	-	-
5514	LANCASTER SUB	66	0% Subs	Allocated according to substation percentage						-	-	1,071,949	-	-	-
5518	LITTLE ROCK SUB	66	0% Subs	Allocated according to substation percentage						-	-	1,690,353	-	-	-
5522	SHUTTLE SUB	66	0% Subs	Allocated according to substation percentage						-	-	911,750	-	-	-
5526	OJAI SUB	66	0% Subs	Allocated according to substation percentage						-	13,050	-	-	-	-
5530	REDMAN WUB	66	0% Subs	Allocated according to substation percentage						-	-	299,056	-	-	-
5531	SANTA BARBARA SUB	66	0% Subs	Allocated according to substation percentage						-	40,153	-	-	-	-
5538	VENTURA SUB	33	0% Subs	Allocated according to substation percentage						-	253,558	-	-	-	-
5539	ANAVERDE SUB	66	0% Subs	Allocated according to substation percentage						-	-	76,359	-	-	-
5541	ROSAMOND SUB	66	0% Subs	Allocated according to substation percentage						-	-	658,870	-	-	-
5545	PIUTE SUB	66	0% Subs	Allocated according to substation percentage						-	11,023	149,257	-	-	-
5546	ELIZABETH LAKE SUB	66	0% Subs	Allocated according to substation percentage						-	-	3,072	-	-	-
5547	CORUM SUB	66	0% Subs	Allocated according to substation percentage						-	-	380,255	-	-	-
5548	OASIS SUB	66	0% Subs	Allocated according to substation percentage						-	-	397,008	-	-	-
5553	CAL CEMENT SUB	66	0% Subs	Allocated according to substation percentage						-	15,551	367,757	-	-	-
5557	NEWBURY SUB	66	0% Subs	Allocated according to substation percentage						-	-	692,110	-	-	-
5562	GRISWOLD SUB	33	0% Subs	Allocated according to substation percentage						-	-	1,684	-	-	-
5564	PALMDALE SUB	66	0% Subs	Allocated according to substation percentage						-	-	593,395	-	-	-
5566	QUARTZ HILL SUB	66	0% Subs	Allocated according to substation percentage						-	11,023	220,467	-	-	-
5599	HELLJET SUB	66	0% Subs	Allocated according to substation percentage						-	-	499,396	-	-	-
5601	RANDALL SUB	66	0% Subs	Allocated according to substation percentage						-	20,403	56,150	-	-	-
5606	ORANGE PRODUCTS SUB	66	0% Subs	Allocated according to substation percentage						-	13,596	-	-	-	-
5612	INLAND CONTAINER SUB	66	0% Subs	Allocated according to substation percentage						-	20,750	-	-	-	-
5615	DECLEZ SUB	66	0% Subs	Allocated according to substation percentage						-	4,642	23,032	-	-	-
5631	SAN ANTONIO SUB	66	0% Subs	Allocated according to substation percentage						-	-	7,606	-	-	-
5646	COLTON CEMENT SUB	66	0% Subs	Allocated according to substation percentage						-	43,167	-	-	-	-
5652	AMERON SUB	66	0% Subs	Allocated according to substation percentage						-	-	531,131	-	-	-
5655	NOGALES SUB	66	0% Subs	Allocated according to substation percentage						-	16,835	525,170	-	-	-
5659	ARCHIBALD SUB	66	0% Subs	Allocated according to substation percentage						-	-	206,393	-	-	-
5664	WIMBLEDON SUB	66	0% Subs	Allocated according to substation percentage						-	1,282	17,343	-	-	-
5670	DEL ROSA SUB	66	0% Subs	Allocated according to substation percentage						-	-	17,327	-	-	-
5674	WHIPPLE SUB	66	0% Subs	Allocated according to substation percentage						-	8,714	-	-	-	-
5678	LANDING SUB	66	0% Subs	Allocated according to substation percentage						-	14,661	-	-	-	-
5740	NAPLES SUBSTATION	33	0% Subs	Allocated according to substation percentage						-	-	114,340	-	-	-
5758	WATSON SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	3,790	-	-	-
5787	SOUTH GATE SUBSTATION	33	0% Subs	Allocated according to substation percentage						-	-	17,255	-	-	-
5788	BOVINE SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	17,101	-	-	-
5798	MOVIE SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	60	17,658	-	-	-
5811	CHIQUITA SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	58,207	-	-	-
5814	CARMENITA SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	146,427	-	-	-
5816	PARKWOOD SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	93,280	-	-	-	-
5828	WAVE SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
5842	OCEANVIEW SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	58,101	-	-	-
5843	ORANGE SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	422,806	1,592,395	-	-	-
5849	SANTA ANA SUBSTATION	33	0% Subs	Allocated according to substation percentage						-	6,882	-	-	-	-
5853	TALBERT SUB	66	0% Subs	Allocated according to substation percentage						-	-	24,273	-	-	-
5860	ALTON SUBSTATION	66	0% Subs	Allocated according to substation percentage						241,262	-	-	-	-	-
5862	SULLIVAN SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	230,879	-	-	-
5865	ESTRELLA SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	41,148	-	-	-

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				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
5869	SHAWNEE SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	17,289	-	-	-
5878	TUSTIN SUBSTATION	66	0% Subs	Allocated according to substation percentage						11,308	-	-	-	-	-
5892	TELEGRAPH SUB	66	0% Subs	Allocated according to substation percentage						-	12,346	96,987	-	-	-
5896	NIGUEL SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	21,384	-	-	-
5902	LAS LOMAS SUB	66	0% Subs	Allocated according to substation percentage						4,664,177	-	-	-	-	-
7013	IMPERIAL COUNTY	115	0% Subs	Allocated according to substation percentage						-	-	1,702	-	-	-
8003	PAUBA(CEP) SUB	115	0% Subs	Allocated according to substation percentage						106,825	757,631	8,411,110	-	-	-
8004	THORNHILL(CEP) SUB	115	0% Subs	Allocated according to substation percentage						25,609	996,191	7,995,129	-	-	-
8005	STADLER(CEP) SUB	115	0% Subs	Allocated according to substation percentage						139,611	786,164	11,286,283	-	-	-
8009	PAN AERO (CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	-	641,248	-	-	-
8010	PHELAN(CEP) SUB	115	0% Subs	Allocated according to substation percentage						154,446	751,072	7,063,296	-	-	-
8011	BANWIND SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	-	32,028	-	-	-
8013	APPLE VALLEY(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	1,660,601	9,490,245	-	-	-
8014	BUNKER(CEP) SUB	115	0% Subs	Allocated according to substation percentage						969,397	1,313,737	14,563,674	-	-	-
8016	FARREL(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	606,817	11,368,795	-	-	-
8017	CONCHO(CEP) SUB	115	0% Subs	Allocated according to substation percentage						285,201	672,863	8,362,776	-	-	-
8018	AULD(CEP) SUB	33	0% Subs	Allocated according to substation percentage						83,538	1,160,979	18,183,519	-	-	-
8019	MAXWELL(CEP) SUB	115	0% Subs	Allocated according to substation percentage						33,940	479,789	8,772,898	-	-	-
8020	SAVAGE(CEP) SUB	115	0% Subs	Allocated according to substation percentage						29,280	1,667,888	15,021,326	-	-	-
8021	PEPPER(CEP) SUB	115	0% Subs	Allocated according to substation percentage						17,579	425,103	10,263,931	-	-	-
8022	YUCCA(CEP) SUB	66	0% Subs	Allocated according to substation percentage						19,474	605,832	12,548,100	-	-	-
8023	BLACK MOUNTAIN(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	12,014	912,016	-	-	-
8024	ALESSANDRO(CEP) SUB	115	0% Subs	Allocated according to substation percentage						45,514	2,703,513	23,067,632	-	-	-
8025	BAKER(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	93,573	2,949,663	-	-	-
8026	BANNING(CEP) SUB	115	0% Subs	Allocated according to substation percentage						20,210	1,557,931	16,216,180	-	-	-
8027	COTTONWOOD(CEP) SUB	115	0% Subs	Allocated according to substation percentage						22,426	1,796,115	11,231,874	-	-	-
8028	EDWARDS(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	37,679	2,862,027	-	-	-
8029	HI DESERT(CEP) SUB	115	0% Subs	Allocated according to substation percentage						1,154,541	1,676,980	19,704,584	-	-	-
8030	MOUNTAIN PASS(CEP) SUB	115	0% Subs	Allocated according to substation percentage						70,286	15,922	4,675,372	-	-	-
8031	RANDBURG(CEP) SUB	115	0% Subs	Allocated according to substation percentage						116	336,971	5,170,025	-	-	-
8032	ROCKET TEST(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	18,045	283,935	-	-	-
8033	SEARLES(CEP) SUB	115	0% Subs	Allocated according to substation percentage						-	320,157	5,695,384	-	-	-
8035	ZANJA(CEP) SUB	115	0% Subs	Allocated according to substation percentage						152,559	1,611,442	10,093,906	-	-	-
8036	SANTA ROSA(CEP) SUB	33	0% Subs	Allocated according to substation percentage						44,689	433,444	18,004,186	-	-	-
8038	NELSON(CEP) SUB	115	0% Subs	Allocated according to substation percentage						22,819	712,157	14,289,364	-	-	-
8039	HOMART(CEP) SUB	115	0% Subs	Allocated according to substation percentage						174,875	393,551	5,358,686	-	-	-
8041	HOLGATE(CEP) SUB	115	0% Subs	Allocated according to substation percentage						27,167	347,967	2,976,561	-	-	-
8042	CALECTRIC SUB (CEP)	115	0% Subs	Allocated according to substation percentage						27,870	2,318,413	25,463,051	-	-	-
8044	GARNET SUB	115	0% Subs	Allocated according to substation percentage						38,081	1,710,498	13,013,457	-	-	-
8045	IID TIE SUB	115	0% Subs	Allocated according to substation percentage						39,144	-	23,873	-	-	-
8047	TIEFORT SUB	115	0% Subs	Allocated according to substation percentage						-	218,704	1,524,015	-	-	-
8048	USBR BLYTHE SUB	161	0% Subs	Allocated according to substation percentage						-	64,707	7,818,707	-	-	-
8055	SN ONOFRE SWTHRK-100%SCE	220	0% Subs	Allocated according to substation percentage						-	706,644	11,537,395	-	-	-
8059	PUREWATER SUB	115	0% Subs	Allocated according to substation percentage						-	172,508	1,357,312	-	-	-
8061	SEAWIND T/S	115	0% Subs	Allocated according to substation percentage						2,976	463	316,248	-	-	-
8064	TIFFANYWIND SUB	115	0% Subs	Allocated according to substation percentage						-	-	4,275	-	-	-
8072	CARODEAN	115	0% Subs	Allocated according to substation percentage						-	2,036,175	14,270,007	-	-	-
8073	IVYGLEN SUB	115	0% Subs	Allocated according to substation percentage						166,697	1,049,253	9,418,947	-	-	-
8074	COOL WATER SWITCHRACK 1,2	220	0% Subs	Allocated according to substation percentage						-	69,954	2,543,263	-	-	-
8075	HIGHGROVE SWITCHRCK	115	0% Subs	Allocated according to substation percentage						7,139	178,624	2,012,064	-	-	-
8079	AQUEDUCT SUB	115	0% Subs	Allocated according to substation percentage						2,880	925,853	10,790,050	-	-	-
8082	MENTONE SUB	115	0% Subs	Allocated according to substation percentage						161,883	684,537	6,340,627	-	-	-
8086	CAJALCO SUB	115	0% Subs	Allocated according to substation percentage						25,836	237,921	11,381,194	-	-	-
8087	HESPERIA SUB	115	0% Subs	Allocated according to substation percentage						22,150	329,879	4,555,347	-	-	-
8088	SKYLARK SUB	115	0% Subs	Allocated according to substation percentage						81,206	313,715	9,786,119	-	-	-
8089	MAYBERRY SUB	115	0% Subs	Allocated according to substation percentage						23,090	358,861	12,914,682	-	-	-

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				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
8090	PERMANENTE SUB	115	0% Subs	Allocated according to substation percentage						-	-	87,113	-	-	-
8091	ELCENTRO TELEMETERING	161	0% Subs	Allocated according to substation percentage						-	-	15,844	-	-	-
8092	NILAND TELEMETERING	161	0% Subs	Allocated according to substation percentage						-	-	6,807	-	-	-
8093	SHANDIN SUB	115	0% Subs	Allocated according to substation percentage						42,272	457,108	9,071,469	-	-	-
8094	ARROWHEAD SUB	115	0% Subs	Allocated according to substation percentage						-	402,756	5,080,781	-	-	-
8095	STETSON SUB	115	0% Subs	Allocated according to substation percentage						23,493	718,412	7,888,425	-	-	-
8097	DUNN SIDING SUB	115	0% Subs	Allocated according to substation percentage						4,913	99,723	722,246	-	-	-
8099	TAMARISK SUB	115	0% Subs	Allocated according to substation percentage						125,967	379,583	12,541,532	-	-	-
8102	AMARGO SUB	33	0% Subs	Allocated according to substation percentage						-	-	21,140	-	-	-
8104	FARRELL SUB	33	0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
8110	BARSTOW SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	59,447	-	-	-
8113	BLYTHE SUB	33	0% Subs	Allocated according to substation percentage						-	22,511	440,016	-	-	-
8117	BRYMAN SUB	33	0% Subs	Allocated according to substation percentage						-	-	7,083	-	-	-
8120	MILITARY SUB	33	0% Subs	Allocated according to substation percentage						-	15,598	-	-	-	-
8132	CAL CITY SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	13,800	-	-	-
8137	DOWNS SUB	33	0% Subs	Allocated according to substation percentage						82,401	3,680,740	21,499,699	-	-	-
8152	GLEN IVY SUB	33	0% Subs	Allocated according to substation percentage						-	15,642	27,225	-	-	-
8163	HELENDALE SUB	33	0% Subs	Allocated according to substation percentage						-	15,110	81,054	-	-	-
8179	Lakeview	115	0% Subs	Allocated according to substation percentage						1,488,305	-	-	-	-	-
8182	BOTTLE SUB	115	0% Subs	Allocated according to substation percentage						-	158,075	1,283,195	-	-	-
8190	MINNEOLA SUB	33	0% Subs	Allocated according to substation percentage						-	-	5,725	-	-	-
8193	MORENO SUB	33	0% Subs	Allocated according to substation percentage						104,923	742,093	3,743,328	-	-	-
8195	MURRIETA 2 SUB	33	0% Subs	Allocated according to substation percentage						-	-	21,911	-	-	-
8197	SOUTHCAP SUB.	115	0% Subs	Allocated according to substation percentage						-	-	942,250	-	-	-
8198	MUSCOY SUB	33	0% Subs	Allocated according to substation percentage						-	-	132,416	-	-	-
8204	BELDING SUB	33	0% Subs	Allocated according to substation percentage						-	42,109	-	-	-	-
8212	ORO GRANDE SUB	33	0% Subs	Allocated according to substation percentage						-	-	7,994	-	-	-
8214	PALM CANYON SUB	33	0% Subs	Allocated according to substation percentage						-	30,644	-	-	-	-
8220	LUCERNE SUB	33	0% Subs	Allocated according to substation percentage						-	13,167	-	-	-	-
8222	RANCHO SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	2,107	-	-	-
8225	RIALTO SUB	33	0% Subs	Allocated according to substation percentage						-	17,716	30,776	-	-	-
8226	RIDGECREST SUB	33	0% Subs	Allocated according to substation percentage						-	-	17,438	-	-	-
8234	SAN JACINTO SUB	33	0% Subs	Allocated according to substation percentage						-	-	10,232	-	-	-
8250	TEMESCAL SUB	33	0% Subs	Allocated according to substation percentage						-	-	4,236	-	-	-
8260	VICTORVILLE SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	22,159	-	-	-
8267	WILDE SUB	33	0% Subs	Allocated according to substation percentage						-	-	47,409	-	-	-
8268	YERMO SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	-	-	-	-
8270	TENAJA SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	-	21,919	-	-	-
8273	IRON MT SCE	33	0% Subs	Allocated according to substation percentage						-	8,651	-	-	-	-
8283	GALE SUB	33	0% Subs	Allocated according to substation percentage						-	2,638	4,930,058	-	-	-
8294	GOLD HILL SUB	33	0% Subs	Allocated according to substation percentage						-	6,894	-	-	-	-
8301	BUCKWIND	115	0% Subs	Allocated according to substation percentage						-	4,640	751,981	-	-	-
8302	CAPWIHND	115	0% Subs	Allocated according to substation percentage						-	29,827	78,542	-	-	-
8303	RENWIND	115	0% Subs	Allocated according to substation percentage						-	15,102	827,522	-	-	-
8304	SANWIND	115	0% Subs	Allocated according to substation percentage						-	-	371,041	-	-	-
8305	TRANSWIND	115	0% Subs	Allocated according to substation percentage						-	25,366	1,061,135	-	-	-
8306	VENWIND	115	0% Subs	Allocated according to substation percentage						-	21,039	2,287,437	-	-	-
8308	ALTWIND	115	0% Subs	Allocated according to substation percentage						-	1,022	27,341	-	-	-
8310	TERAWIND	115	0% Subs	Allocated according to substation percentage						-	5,398	226,460	-	-	-
8311	INDIGO SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	4,899	84,697	-	-	-
8312	CALGEN	115	0% Subs	Allocated according to substation percentage						532	1,600	12,970	-	-	-
8314	MCGEN	115	0% Subs	Allocated according to substation percentage						-	112,388	2,235,921	-	-	-
8320	SEGS II	115	0% Subs	Allocated according to substation percentage						-	-	28,142	-	-	-
8321	SEGS III	115	0% Subs	Allocated according to substation percentage						-	-	11,755	-	-	-
8322	SEGS IV	115	0% Subs	Allocated according to substation percentage						-	-	9,731	-	-	-
8323	SEGS V	115	0% Subs	Allocated according to substation percentage						-	-	8,814	-	-	-

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				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
8324	SEGS VI	115	0% Subs	Allocated according to substation percentage						-	-	39,130	-	-	-
8325	SEGS VII	115	0% Subs	Allocated according to substation percentage						-	-	119,704	-	-	-
8326	SEGS VIII	220	0% Subs	Allocated according to substation percentage						-	-	83,150	-	-	-
8327	SEGS IX	220	0% Subs	Allocated according to substation percentage						-	-	74,085	-	-	-
8340	SOPORT	115	0% Subs	Allocated according to substation percentage						-	42,538	654,012	-	-	-
8342	NEWCOMB	115	0% Subs	Allocated according to substation percentage						51,172	1,226,277	10,903,690	-	-	-
8343	ELSNORE	115	0% Subs	Allocated according to substation percentage						20,961	1,539,154	15,899,881	-	-	-
8344	SOUTH BASE SUB	115	0% Subs	Allocated according to substation percentage						12,179	143,764	2,017,154	-	-	-
8345	INDIAN WELLS SUB	115	0% Subs	Allocated according to substation percentage						222,600	871,289	12,888,636	-	-	-
8346	FOGARTY SUB	66	0% Subs	Allocated according to substation percentage						-	4,398,452	16,236,483	-	-	-
8347	PECHANGA SUB	115	0% Subs	Allocated according to substation percentage						560,579	844,656	11,221,755	-	-	-
8351	TANKER SUBSTATION	115	0% Subs	Allocated according to substation percentage						120	4,440	696,181	-	-	-
8353	PLUESS SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	-	151,193	-	-	-
8354	AFG SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	78,655	1,082,686	-	-	-
8357	RECTIFIER SUB	115	0% Subs	Allocated according to substation percentage						-	5,170	1,098,304	-	-	-
8359	MOUNTWIND SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	53,698	-	-	-
8361	COSO SUB	115	0% Subs	Allocated according to substation percentage						91,119	1,641,131	4,785,688	-	-	-
8362	MOVAL SUBSTATION	115	0% Subs	Allocated according to substation percentage						-	127,376	491,384	-	-	-
8504	RITTER SUB	66	0% Subs	Allocated according to substation percentage						942,487	-	-	-	-	-
8509	PHARMACY SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	43,289	-	-	-
8511	GLOW SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	128,972	-	-	-
8558	PLASTER SUBSTATION	66	0% Subs	Allocated according to substation percentage						4,671	-	-	-	-	-
8810	ONEIL SUBSTATION	66	0% Subs	Allocated according to substation percentage						1,188,142	-	-	-	-	-
8956	MWD EASTSIDE RES	115	0% Subs	Allocated according to substation percentage						-	-	12,837	-	-	-
9009	CONSTR FIELD FORCES		0% Subs	Allocated according to substation percentage						-	-	527,316	-	-	-
9047	TRANS/SUB SUPPORT SERV		0% Subs	Allocated according to substation percentage						-	-	78,505,427	-	-	-
9287	REAL PROP-LAND SVCS-STHRN		0% Subs	Allocated according to substation percentage						-	12,869	-	-	-	-
9440	WESTMINSTER FENWICK BLDG		0% Subs	Allocated according to substation percentage						-	8,929	-	-	-	-
9900	PLANT ACCTG-MISC. LEDGER		0% Subs	Allocated according to substation percentage						631	-	-	-	-	-
5110	WABASH (NEW) SUB	66	0% Subs	Allocated according to substation percentage						-	24,360	-	-	-	-
5139	GENAMIC SUB	66	0% Subs	Allocated according to substation percentage						-	5,739	-	-	-	-
5164	REPETTO SUB	66	0% Subs	Allocated according to substation percentage						-	17,757	-	-	-	-
5215	MADRID SUB	33	0% Subs	Allocated according to substation percentage						-	17	-	-	-	-
5221	OCEAN PARK SUB	33	0% Subs	Allocated according to substation percentage						-	126	-	-	-	-
5226	BRIGHTON SUB	66	0% Subs	Allocated according to substation percentage						-	115	-	-	-	-
5229	MOBILOIL SUB	66	0% Subs	Allocated according to substation percentage						-	111	-	-	-	-
5239	CRATER SUB	66	0% Subs	Allocated according to substation percentage						-	-	9,057	-	-	-
5242	COLORADO SUB	66	0% Subs	Allocated according to substation percentage						-	143	-	-	-	-
5252	ROLLING HILLS SUB	66	0% Subs	Allocated according to substation percentage						-	821	-	-	-	-
5260	COLOSSUS SUB	66	0% Subs	Allocated according to substation percentage						-	-	7,141	-	-	-
5268	TOPAZ SUB	66	0% Subs	Allocated according to substation percentage						-	886	-	-	-	-
5271	TAHITI SUB	66	0% Subs	Allocated according to substation percentage						-	390	-	-	-	-
5275	MARYMOUNT SUB	66	0% Subs	Allocated according to substation percentage						-	147	-	-	-	-
5282	PALOGEN SUB	66	0% Subs	Allocated according to substation percentage						-	1,296	-	-	-	-
5302	BIG CREEK 2	33	0% Subs	Allocated according to substation percentage						-	-	(170,486)	-	-	-
5320	OCTOL SUB	66	0% Subs	Allocated according to substation percentage						-	265	-	-	-	-
5339	GREENHORN SUB	66	0% Subs	Allocated according to substation percentage						-	-	9,033	-	-	-
5410	FLOWIND SUB	66	0% Subs	Allocated according to substation percentage						-	-	11,009	-	-	-
5412	SILVER PEAK SUB	55	0% Subs	Allocated according to substation percentage						-	-	8,036	-	-	-
5520	MODOC SUB	33	0% Subs	Allocated according to substation percentage						-	-	11,630	-	-	-
5576	NEWHALL SUB	66	0% Subs	Allocated according to substation percentage						-	-	413,118	-	-	-
5616	FLANCO SUB	33	0% Subs	Allocated according to substation percentage						-	22,342	-	-	-	-
5618	FIREHOUSE SUB	66	0% Subs	Allocated according to substation percentage						-	6,520	-	-	-	-
5621	HUSTON SUB	33	0% Subs	Allocated according to substation percentage						-	45,573	-	-	-	-
5626	PEDLEY SUB	66	0% Subs	Allocated according to substation percentage						-	5,852	-	-	-	-
5633	SAN DIMAS SUB	66	0% Subs	Allocated according to substation percentage						-	19,651	-	-	-	-



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5645	LAYFAIR SUB	66	0% Subs	Allocated according to substation percentage						-	2,166	-	-	-	-
5650	LINDE AIR SUB	66	0% Subs	Allocated according to substation percentage						-	15,935	-	-	-	-
5654	REDUCTION SUB	66	0% Subs	Allocated according to substation percentage						-	34,835	-	-	-	-
5656	BAIN SUB	66	0% Subs	Allocated according to substation percentage						-	704	-	-	-	-
5658	PIPE SUB	66	0% Subs	Allocated according to substation percentage						-	32,989	-	-	-	-
5714	CUDAHY SUB	66	0% Subs	Allocated according to substation percentage						-	32,033	-	-	-	-
5754	SOMERSET SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	33,691	-	-	-	-
5766	DAISY SUBSTATION	33	0% Subs	Allocated according to substation percentage						-	12,646	-	-	-	-
5893	PASSONS SUB	66	0% Subs	Allocated according to substation percentage						-	3,215	-	-	-	-
1860	PALOVERDE NUCL GEN PLT-U1	500	0% Subs	Allocated according to substation percentage						-	-	2,594,553	232,241	-	84,727
1864	PALO VERDE-UNIT 2	500	0% Subs	Allocated according to substation percentage						-	-	2,488,614	181,545	-	96,210
1866	PALO VERDE-UNIT 3	500	0% Subs	Allocated according to substation percentage						-	-	3,783,320	253,332	-	92,249
1867	PALOVERDE-COMMON 1,2,3	500	0% Subs	Allocated according to substation percentage						7,766	-	2,668,495	854,373	-	-
5832	LA HABRA SUBSTATION	66	0% Subs	Allocated according to substation percentage						-	-	17,125	-	-	-
8078	SUN CITY(NEW)	115	0% Subs	Allocated according to substation percentage						119,513	1,887,934	7,946,019	-	-	-
8096	MARSCHINO SUB	115	0% Subs	Allocated according to substation percentage						27,809	1,611,970	9,280,977	-	-	-
8098	EISENHOWER SUB	115	0% Subs	Allocated according to substation percentage						189,886	813,562	12,009,076	-	-	-
8348	MORAGA	115	0% Subs	Allocated according to substation percentage						40,720	307,859	17,229,485	-	-	-
9310	TELCOMM-ALHAMBRA		0% Subs	Allocated according to substation percentage						327,844	-	-	-	(2,151)	-
6011	RIALTO COMB FAC. BLDG B&C		0% Subs	Allocated according to substation percentage						-	2,770	-	-	-	-
8121	CANTIL SUB	33	0% Subs	Allocated according to substation percentage						-	-	7,293	-	-	-
8123	CATHEDRAL CITY SUB	33	0% Subs	Allocated according to substation percentage						-	9,939	-	-	-	-
8136	DESERT OUTPOST SUB	33	0% Subs	Allocated according to substation percentage						-	13,544	-	-	-	-
8159	EL SOBRANTE SUB	33	0% Subs	Allocated according to substation percentage						-	4,126	-	-	-	-
8161	HARVARD SUB	33	0% Subs	Allocated according to substation percentage						-	-	8,458	-	-	-
8170	INYOKERN TOWN SUB	33	0% Subs	Allocated according to substation percentage						-	-	7,735	-	-	-
8172	JOSHUA TREE SUB	33	0% Subs	Allocated according to substation percentage						-	9,177	-	-	-	-
8216	PEERLESS SUB	33	0% Subs	Allocated according to substation percentage						-	-	7,635	-	-	-
8238	SILVER SPUR SUB	33	0% Subs	Allocated according to substation percentage						-	8,994	-	-	-	-
8244	SUNNY DUNES SUB	33	0% Subs	Allocated according to substation percentage						-	13,259	-	-	-	-
8255	TWENTYNINE PALMS SUB	33	0% Subs	Allocated according to substation percentage						-	11,480	-	-	-	-
9077	INFO TECH-GO2		0% Subs	Allocated according to substation percentage						-	-	1,740,166	-	-	-
9235	RP&AS-NRTHSHRE REC AREA		0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
2612	MINARET	33	0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
5120	FEDERALGEN SUB	66	0% Subs	Allocated according to substation percentage						-	6,944	-	-	-	-
5152	JOSE SUB	66	0% Subs	Allocated according to substation percentage						-	56,769	3,887	-	-	-
5175	VAIL SUB	66	0% Subs	Allocated according to substation percentage						-	15,470	-	-	-	-
5188	DALTON SUB	66	0% Subs	Allocated according to substation percentage						-	82,794	-	-	-	-
5201	BEVERLY HILLS SUB	66	0% Subs	Allocated according to substation percentage						-	-	91	-	-	-
5210	HOWARD SUB	66	0% Subs	Allocated according to substation percentage						-	-	17,431	-	-	-
5405	CANWIND SUB	66	0% Subs	Allocated according to substation percentage						-	-	29,390	-	-	-
5406	ENWIND SUB	66	0% Subs	Allocated according to substation percentage						-	11,023	29,526	-	-	-
5409	MORWIND SUB	66	0% Subs	Allocated according to substation percentage						-	-	29,273	-	-	-
5414	DUTCHWIND SUB	66	0% Subs	Allocated according to substation percentage						-	11,023	22,949	-	-	-
5415	OAKWIND SUB	66	0% Subs	Allocated according to substation percentage						-	-	23,342	-	-	-
5424	MIDWIND SUB	66	0% Subs	Allocated according to substation percentage						-	-	23,000	-	-	-
5535	CHARMIN SUB	66	0% Subs	Allocated according to substation percentage						-	-	27,327	-	-	-
5572	GAVIOTA SUB	66	0% Subs	Allocated according to substation percentage						-	-	118,097	-	-	-
5604	TIMOTEO SUB	66	0% Subs	Allocated according to substation percentage						-	1,760	-	-	-	-
5629	REDLANDS SUB	66	0% Subs	Allocated according to substation percentage						-	(1,753)	21,359	-	-	-
5636	YUCAIPA SUB	66	0% Subs	Allocated according to substation percentage						-	31,005	-	-	-	-
5661	RUNNING SPRINGS SUB	33	0% Subs	Allocated according to substation percentage						-	31,398	-	-	-	-
5667	ARCHLINE SUB	66	0% Subs	Allocated according to substation percentage						-	12,856	-	-	-	-
5668	CRESTMORE SUB	66	0% Subs	Allocated according to substation percentage						-	14,975	-	-	-	-
5680	DIAMOND BAR SUB	66	0% Subs	Allocated according to substation percentage						-	-	49,398	-	-	-
5718	FRUITLAND SUB	66	0% Subs	Allocated according to substation percentage						-	12,712	-	-	-	-

**SOUTHERN CALIFORNIA EDISON COMPANY**

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As of December 2017

Location	Description	Voltage	Study	Circuit Miles						Balance by FERC Account (Total Transmission) Current Study					
				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
5720	FREEMONT SUB	66	0% Subs	Allocated according to substation percentage						-	6,957	-	-	-	-
5779	DAVIDSON CITY	33	0% Subs	Allocated according to substation percentage						-	6,957	-	-	-	-
5812	MURPHY SUB	66	0% Subs	Allocated according to substation percentage						-	20,469	-	-	-	-
5886	PIONEER SUB	66	0% Subs	Allocated according to substation percentage						-	6,944	-	-	-	-
8207	HOLIDAY SUB	33	0% Subs	Allocated according to substation percentage						-	19,356	-	-	-	-
8210	OLIVE LAKE SUB	33	0% Subs	Allocated according to substation percentage						-	558	-	-	-	-
8231	RUBIDOUX SUB	33	0% Subs	Allocated according to substation percentage						-	6,317	-	-	-	-
8252	TRONA SUB	33	0% Subs	Allocated according to substation percentage						-	6,499	25,320	-	-	-
8056		0 115	0% Subs	Allocated according to substation percentage						-	9,430,374	22,715,951	-	-	-
8058		0 220	0% Subs	Allocated according to substation percentage						-	-	23,430	-	-	-
8081		0 115	0% Subs	Allocated according to substation percentage						-	21,176	-	-	-	-
8339		0 115	0% Subs	Allocated according to substation percentage						-	10,350	8,152	-	-	-
8373		0 115	0% Subs	Allocated according to substation percentage						-	463,160	77,185	-	-	-
5305	DELANO SUB	66	0% Subs	Allocated according to substation percentage						-	1,174	-	-	-	-
5312	LIBERTY SUB	66	0% Subs	Allocated according to substation percentage						-	735	-	-	-	-
5321	PIXLEY SUB	66	0% Subs	Allocated according to substation percentage						-	364	-	-	-	-
5331	VISALIA SUB	66	0% Subs	Allocated according to substation percentage						-	696	-	-	-	-
1020	STM GEN		0% Subs	Allocated according to substation percentage						-	-	-	-	334	-
0		0	0% Subs	Allocated according to substation percentage						-	-	-	-	-	-
1000	DIV MTCE / OVERHAUL MNGT		Mix Subs	Allocated according to substation percentage						-	-	6,285	-	-	-
1250	MOUNTAINVIEW POWER-COMMON		Mix Subs	Allocated according to substation percentage						-	-	23,588,992	-	-	-
1869	PALOVERDE-SWITCHYARD		Mix Subs	Allocated according to substation percentage						-	2,465,520	7,901,074	-	-	-
1870	PV UNIT 1-INCREMENTAL		Mix Subs	Allocated according to substation percentage						-	-	194,959	-	-	-
8076 & 1991	San Bernardino-220kv Switchyard & :		Mix Subs	Allocated according to substation percentage						302,392	5,326,261	50,148,151	-	-	-
2211	BIG CREEK NO.1	220	Mix Subs	Allocated according to substation percentage						-	264,412	9,196,246	-	-	-
2212	BIG CREEK NO.2		Mix Subs	Allocated according to substation percentage						-	-	1,516,246	-	-	-
2229	BIG CREEK NO.8	220	Mix Subs	Allocated according to substation percentage						-	282,649	2,382,291	-	-	-
2230	BIG CREEK NO.3	220	Mix Subs	Allocated according to substation percentage						-	2,330,589	18,492,397	-	-	-
2234	BIG CREEK NO.2A		Mix Subs	Allocated according to substation percentage						-	-	1,031,434	-	-	-
5000	SUBSTN DIV		Mix Subs	Allocated according to substation percentage						-	-	3,270,205	-	-	-
5011	EAGLE ROCK SUB	220	Mix Subs	Allocated according to substation percentage						19,613	4,901,132	34,769,873	-	-	-
5012	MESA SUB	220	Mix Subs	Allocated according to substation percentage						2,031,347	10,391,854	47,583,014	-	-	-
5013	RIO HONDO SUB	220	Mix Subs	Allocated according to substation percentage						457,530	4,945,802	80,291,431	-	-	-
5023	EL NIDO SUB	220	Mix Subs	Allocated according to substation percentage						285,620	7,955,498	34,939,823	-	-	-
5024	LA CIENEGA SUB	220	Mix Subs	Allocated according to substation percentage						2,100,227	5,298,268	43,943,978	-	-	-
5025	ALAMITOS SWITCHRACK SUB	220	Mix Subs	Allocated according to substation percentage						63,557	2,730,119	32,636,893	-	-	-
5027	LG BCH SWITCHRACK SUB	220	Mix Subs	Allocated according to substation percentage						97,213	1,343,374	8,720,194	-	-	-
5028	REDONDO SWITCHRACK SUB	220	Mix Subs	Allocated according to substation percentage						13,018	39,761	5,707,969	-	-	-
5031	MAGUNDEN SUB	220	Mix Subs	Allocated according to substation percentage						8,363	3,274,161	17,919,599	-	-	-
5033	RECTOR SUB	220	Mix Subs	Allocated according to substation percentage						394,843	17,778,040	114,521,808	-	-	-
5035	VESTAL SUB	220	Mix Subs	Allocated according to substation percentage						7,243	1,848,135	48,598,515	-	-	-
5038	NO. T/S REG OFC/VALENCIA		Mix Subs	Allocated according to substation percentage						123,342	3,723,403	-	-	-	-
5040	EAGLE MT. SUB	220	Mix Subs	Allocated according to substation percentage						-	343,906	8,368,399	-	-	-
5041 & 8041	Inyokern (CEP) & Inyokern	115	Mix Subs	Allocated according to substation percentage						7,964	482,140	14,285,347	-	-	-
5042 & 8041	Kramer & Kramer-Radial Line Agmt	220	Mix Subs	Allocated according to substation percentage						48,811	2,014,991	52,191,833	-	-	-
5043	CIMA SUB	220	Mix Subs	Allocated according to substation percentage						1,824	17,123	3,276,651	-	-	-
5050	PARDEE SUB	220	Mix Subs	Allocated according to substation percentage						970,263	3,470,207	39,240,515	-	-	-
5055	GOLETA SUB	220	Mix Subs	Allocated according to substation percentage						236,194	5,961,288	27,311,142	-	-	-
5056	MOORPARK SUB	220	Mix Subs	Allocated according to substation percentage						184,091	6,557,254	65,587,484	-	-	-
5059	BAILEY SUB	220	Mix Subs	Allocated according to substation percentage						111,063	7,219,735	32,488,857	-	-	-
5060	PADUA SUB	220	Mix Subs	Allocated according to substation percentage						149,547	4,950,174	53,893,899	-	-	-
5062	CHINO SUB	220	Mix Subs	Allocated according to substation percentage						34,465	3,784,544	38,111,306	-	-	-
5063	JULIAN HINDS SUB	220	Mix Subs	Allocated according to substation percentage						-	1,526,995	23,784,016	-	-	-
5064	VISTA SUB	220	Mix Subs	Allocated according to substation percentage						52,109	25,037,160	70,621,655	-	-	-
5067	DEVERS SUB	500	Mix Subs	Allocated according to substation percentage						1,370,884	36,332,632	228,430,909	-	-	-

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Location	Description	Voltage	Study	Circuit Miles						Balance by FERC Account (Total Transmission) Current Study					
				UG Total	UG ISO	OH Total	OH ISO	Total Miles	Total ISO	350	352	353	354	355	356
5070 & 803	Valley & Valley - CEP	500	Mix Subs	Allocated according to substation percentage						311,358	40,759,778	210,701,799	-	-	-
5071	HINSON SUB	220	Mix Subs	Allocated according to substation percentage						678,278	607,062	30,775,399	-	-	-
5073	LIGHTHIPE SUB	220	Mix Subs	Allocated according to substation percentage						164,680	14,327,135	37,543,553	-	-	-
5075	DEL AMO SUB	220	Mix Subs	Allocated according to substation percentage						185,982	6,716,646	60,330,285	-	-	-
5079	WINDHUB SUB	220	Mix Subs	Allocated according to substation percentage						1,231,926	30,935,203	211,728,552	-	-	-
5081	BARRE SUB	220	Mix Subs	Allocated according to substation percentage						86,188	3,985,827	59,665,598	-	-	-
5082	VILLA PARK SUB	220	Mix Subs	Allocated according to substation percentage						270,570	6,756,730	52,549,491	-	-	-
5084	CENTER SUB	220	Mix Subs	Allocated according to substation percentage						71,802	5,051,555	48,028,604	-	-	-
5085 & 588	JOHANNA SUB	220	Mix Subs	Allocated according to substation percentage						813,416	5,535,466	25,767,387	-	-	-
5086	ELLIS SUB	220	Mix Subs	Allocated according to substation percentage						59,737	5,607,437	70,734,959	-	-	-
5087	OLINDA SUB	220	Mix Subs	Allocated according to substation percentage						390,538	2,233,806	27,785,165	-	-	-
5088	SANTIAGO SUB	220	Mix Subs	Allocated according to substation percentage						557,976	10,554,104	131,781,457	-	-	-
5096	ETIWANDA SWITCHRACK SUB	220	Mix Subs	Allocated according to substation percentage						186,144	3,975,793	58,795,312	-	-	-
5100	METRO REGION		Mix Subs	Allocated according to substation percentage						-	-	314,746	-	-	-
5556	NEENACH SUB		Mix Subs	Allocated according to substation percentage						-	-	416,853	-	-	-
8065	ALBERHILL SUB		Mix Subs	Allocated according to substation percentage						-	-	-	-	-	-
9339	CONWAY SUMMIT COMM SITE		Mix Subs	Allocated according to substation percentage						-	-	14,913	-	-	-
8370	SANDLOT SUB	220	Mix Subs	Allocated according to substation percentage						-	82,928	-	-	-	-
8063	CHEVMAIN	220	Mix Subs	Allocated according to substation percentage						-	376,631	15,349,443	-	-	-
6072	BARSTOW NO RGN-SAN BERDOO		Mix Subs	Allocated according to substation percentage						-	7,617	-	-	-	-
9010	B&A-T/S 3RD FLOOR-GO3		Mix Subs	Allocated according to substation percentage						-	-	823	-	-	-
9024	CHINO OFC BLDG (FACILITY)		Mix Subs	Allocated according to substation percentage						-	373,558	-	-	-	-
7010	FRESNO COUNTY		Mix Subs	Allocated according to substation percentage						-	-	1	-	-	-
7056	VENTURA COUNTY		Mix Subs	Allocated according to substation percentage						-	-	74,798	-	-	-
8000	ROADWAY(CEP)	115	Mix Subs	Allocated according to substation percentage						110,643	677,145	9,835,972	-	-	-
8006	EL CASCO SUBSTATION	220	Mix Subs	Allocated according to substation percentage						-	30,039,032	53,831,288	-	-	-
8037	TORTILLA(CEP) SUB	115	Mix Subs	Allocated according to substation percentage						17,114	374,948	13,706,934	-	-	-
8049	VICTOR SUB	220	Mix Subs	Allocated according to substation percentage						22,088	11,545,263	112,336,458	-	-	-
9203	FUELS		Mix Subs	Allocated according to substation percentage						-	-	341,890	-	-	-
9221	INNOVATION VILLAGE 1		Mix Subs	Allocated according to substation percentage						-	-	1,509,815	-	-	-
9243	CONTROL SYS SEC-ALHAMBRA		Mix Subs	Allocated according to substation percentage						-	375,558	2,962,532	-	-	-
9078	IRVINE OPER CENTER		Mix Subs	Allocated according to substation percentage						-	8,245	-	-	-	-
9330	TELECOMM-ALHAMBRA		Mix Subs	Allocated according to substation percentage						-	-	113,566	-	-	-
2556	CONTROL STATION	115	Mix Subs	Allocated according to substation percentage						-	1,570,756	15,357,249	-	40,798	25,499
5014	WALNUT SUB	220	Mix Subs	Allocated according to substation percentage						97,955	4,587,050	34,216,176	-	-	-
5015	GOULD SUB	220	Mix Subs	Allocated according to substation percentage						29,300	1,092,418	31,780,389	-	-	-
5021	LA FRESA SUB	220	Mix Subs	Allocated according to substation percentage						101,370	5,883,706	81,341,949	-	-	-
5052	ANTELOPE SUB	500	Mix Subs	Allocated according to substation percentage						21,983	6,776,871	202,907,138	-	-	-
5053	SANTA CLARA SUB	220	Mix Subs	Allocated according to substation percentage						140,739	4,212,598	51,483,328	-	-	-
5069	MIRA LOMA SUB	500	Mix Subs	Allocated according to substation percentage						474,735	26,787,372	208,063,803	-	123,410	-
5074	LAGUNA BELL SUB	220	Mix Subs	Allocated according to substation percentage						131,263	2,751,788	50,402,017	-	-	-
5083	VIEJO SUBSTATION	220	Mix Subs	Allocated according to substation percentage						13,285,971	8,784,046	34,779,638	-	-	-
8012	MIRAGE(CEP) SUB	220	Mix Subs	Allocated according to substation percentage						629,541	4,729,073	52,861,183	1	-	1
5034	SRINGVILLE SUB	220	Mix Subs	Allocated according to substation percentage						12,198	1,399,087	34,761,692	-	-	6,814

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Location	Description	Voltage	Study	Balance by FERC Account (ISO Transmission) Current Study			357	358	359
				350	352	353			
4031	DWP-EDSN CELILO-SYLMR CA	1000	Lines	-	95,841	-	-	-	136,841
4034	DWP-EDSN CELILO-SYLMR NV	1000	Lines	-	541	-	-	-	668,871
4026	MIDWAY-VINCENT LINES 1&2	500	Lines	-	-	-	-	-	795,535
4123	LUGO-VINCENT LNES 1&2	500	Lines	-	-	-	-	-	1,891
4130	MOHAVE-LUGO 500KV	500	Lines	-	-	-	-	-	19,051
4136	LUGO-ELDORADO LN	500	Lines	-	-	-	-	-	117,747
4137	LUGO-ELDORADO LN	500	Lines	-	-	-	-	-	20,088
4138	LUGO-MIRA LOMA 2&3	500	Lines	-	-	-	-	-	591,464
4140	MOHAVE-LUGO 500 KV LN	500	Lines	-	-	-	-	-	329,333
4141	MOHAVE-ELDORADO LN	500	Lines	-	-	-	-	-	55,916
4143	ELDORADO-BORDER 500 KV LN	500	Lines	-	-	-	-	-	145,064
4148	MIRA LOMA-SERRANO LN	500	Lines	-	-	-	-	-	751,259
4154	LUGO-VICTORVLL EDSON-DWP	500	Lines	-	-	-	-	-	-
4155	MIDWAY-VINCENT LN 3	500	Lines	-	-	-	-	-	187,772
4185	DEVERS-PALO VERDE	500	Lines	-	1,151,660	-	-	-	467,228
4186	DEVERS-PALO VERDE	500	Lines	-	-	-	-	-	147,245
4187	DEVERS-VALLEY LNS 1,2	500	Lines	-	-	-	-	-	18,238,433
4188	SERRANO-VALLEY LN	500	Lines	-	-	-	-	-	2,640,525
4191	VALLEY-INLAND 500KV TL	500	Lines	-	-	-	-	-	-
4360	MIRA LOMA - VINCENT 500 KV LINE	500	Lines	189,937,751	66,516,291	-	-	-	36,467,048
4708	ANTELOPE-WINDHUB 500KV LN	500	Lines	-	-	-	-	-	-
4710	ANTELOPE-WHIRLWIND 500KV LN	500	Lines	-	-	-	-	-	2,227,186
4711	WHIRLWIND-WINDHUB 500KV L	500	Lines	-	-	-	-	-	71,262
4712	ANTELOPE - VINCENT #2 500KV	500	Lines	-	-	-	-	-	-
4716	ANTELOPE-VINCENT #1 500 KV	500	Lines	-	-	-	-	-	-
4045	PARDEE-SYLMAR LNES 1&2	220	Lines	-	-	-	-	-	38,006
4046	EAGLE ROCK-SYLMAR LNE	220	Lines	-	-	-	-	-	-
4051	PARDEE-VINCENT LN 1	220	Lines	-	-	-	-	-	145,317
4059	PARDEE-VINCENT LINE CONST	220	Lines	-	-	-	-	-	20,953
4070	RIO HONDO-VINCENT LN 2	220	Lines	-	-	-	-	-	11,892
4101	MANY TRANSMISSION LINES	220	Lines	-	-	-	-	-	1,151,849
4102	COGEN/RENEWABLE ENERGY SO	220	Lines	-	-	-	-	-	824,324
4104	DEVERS-HINS LN, OTHERS	220	Lines	1,480	260,160	-	-	-	2,586,838
4107	ANTELOPE/MESA LINE, OTHER	220	Lines	-	-	-	-	-	87,577,193
4108	CHINO-SERRANO/SN ONFRE LN	220	Lines	-	-	-	-	-	454,131
4109	COACHELLA VALLEY-DEVERS (SCE PO	220	Lines	-	-	-	-	-	-
4111	BIG CRK 3-BIG CRK 4	220	Lines	-	-	-	-	-	29,429
4113	BIGCRK-SPRGVL, MGDN-SPRGV	220	Lines	-	-	-	-	-	631,018
4114	ALAMITOS-MESA LN, OTHERS	220	Lines	-	-	-	-	-	304,171
4115	HINSON-LIGHTHIPE 1&2	220	Lines	-	-	-	-	-	27,417
4116	HINSON-LAFRESA, OTHERS	220	Lines	180,589	456,828	-	-	-	13,558
4117	ELDRDO-CIMA-PISGAH LN1,2	220	Lines	-	-	-	-	-	151,162
4118	MRA LMA-VLL PK LNS, OTHR	220	Lines	-	-	-	-	-	180,159
4119	CENTER-MESA LN, OTHERS	220	Lines	-	-	-	-	-	2,830,220
4120	ALAMITOS-CENTER, OTHERS	220	Lines	256	-	-	-	-	33,420
4121	BIG CREEK 4-SPRNGVLL-MGDN	220	Lines	-	-	-	-	-	143,697
4125	GOLETA-SNTA CLARA, OTHERS	220	Lines	-	-	-	-	-	1,781,163
4127	NORTH BOULDER-MEAD, OTHER	220	Lines	-	-	-	-	-	5,205
4135	LUGO-VICTOR LNS, OTHER	220	Lines	-	-	-	-	-	98,025
4135	LUGO-VICTOR LNS, OTHER	115	Lines	-	-	-	-	-	23,529
4144	ELDORADO-MEAD LNS 1&2	220	Lines	-	-	-	-	-	1,023
4147	VINCENT-PARDEE LN 2	220	Lines	-	-	-	-	-	145,187
4153	VINCENT-PEARBLOSSOM LN	220	Lines	-	-	-	-	-	23,687
4156	ELLIS-SANTIAGO LNS 1,2	220	Lines	-	-	-	-	-	38,262
4157	RIO HONDO-VINCENT NO. 2 220/500	220	Lines	-	-	-	-	-	561,709
4166	BIG CRK 2-BIG CRK 8	220	Lines	-	-	-	-	-	-

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Location	Description	Voltage	Study	Balance by FERC Account (ISO Transmission) Current Study										
				357	358	359	350	352	353	354	355	356	357	358
4168	BIG CRK 3-MAMMOTH POOL	220	Lines	-	-	37,890	-	-	-	-	-	-	-	-
4169	BIG CRK 1-RECTOR, OTHER	220	Lines	-	-	1,248,646	11,262,310	56,300	2,633	13,854,761	17,413,219	14,449,578	-	-
4189	SERRANO-VILLA PK LN 1,2,3	220	Lines	-	-	-	78,248	37,274	-	1,521,458	-	1,397,144	-	-
4193	BIG CRK 1-EASTWOOD	220	Lines	-	-	-	-	-	-	-	-	-	-	-
4207	E.MAGUNDEN-ANTELOPE 220KV	220	Lines	-	-	-	-	-	-	-	-	-	-	-
4644	ANTELOPE-PARDEE	220	Lines	-	-	3,941,302	3,934,890	-	-	86,001,617	7,668,801	39,491,922	-	-
4709	WINDHUB-HIGHWIND 230KV LN	220	Lines	-	16,304,448	-	3,722,045	-	-	33,223,530	-	14,975,005	-	16,304,448
4733	ELDORADO-IVANPAH NO 1&2 - CA	220	Lines	-	-	-	-	-	-	25,282,715	269,971	20,581,574	-	-
4734	ELDORADO-IVANPAH NO 1&2 - NV	220	Lines	-	-	2,178,685	352,196	-	-	49,174,369	666,768	164,308,741	-	-
4756	DEVERS-SN BRDNO 220 KV LN	220	Lines	-	-	119,281	1,079,577	16,401	-	6,958,865	568,180	4,604,528	-	-
4792	COGEN/RENEW ENERGY 220KV & ABC	220	Lines	-	-	-	-	-	-	-	-	-	-	-
4759	BLYTHE-EAGLE MT 161 KV LN	161	Lines	-	-	4,845	33,310	-	-	-	2,727,822	331,263	-	-
4731	POOLE-LEE VINING 115KV LI	115	Lines	-	-	-	-	-	-	-	-	-	-	-
4732	RUSH CRK-LEE VINING 115KV	115	Lines	-	-	-	-	-	-	-	-	-	-	-
4735	BISHOP CRK55&115KV LINES	115	Lines	-	-	14,284	-	-	-	-	-	-	-	-
4750	115 KV LNS, ESTN T/S REG	115	Lines	4,500,369	14,541,503	1,844,510	4,573,434	79,512	468,378	1,228,722	50,170,004	16,425,250	71,489	230,993
4781	HOOVER-CLWTR 115 KV LN	115	Lines	-	-	1,376	1,255	-	-	96,551	42,433	93,272	-	-
4782	HOOVER-CLWTER 115 KV LN	115	Lines	-	-	21,669	165,196	-	-	327,795	1,719,592	811,371	-	-
4105	33 AND 66 KV LINES	66	Lines	54,888,901	262,892,344	17,325,095	224,967	61,515	17,686	143,551	5,484,972	1,443,259	-	-
4106	COGEN/RENEW ENGY SOURCES	115	Lines	970,363	3,797,257	665,179	-	-	-	-	-	-	-	-
4124	BIG CRK 1-CMP TEN-...-PRTL	66	Lines	1,343	68,591	-	-	-	-	-	-	-	-	-
4128	LYTLE CREEK-POLE 534694E	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4129	KERN RIVER3-VESTAL 66 KV	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4132	CUMMINGS-KERBN RIV1, OTHE	66	Lines	-	-	40,795	-	-	-	-	-	-	-	-
4133	BOREL-...-WALKER 66KV LN	66	Lines	-	-	11,455	-	-	-	-	-	-	-	-
4139	SPRGVLL-TULE 66KV LN	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4142	BOREL-WELDON 66KV LN	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4149	SANTA ANA LNS 1,2,3	66	Lines	-	-	1,093	-	-	-	-	-	-	-	-
4705	CORONA-JEFFERSON 66 KV LN	66	Lines	-	-	35,849	96,898	841,092	-	-	4,841,959	979,918	-	-
4730	LEE VINING-LUNDY 55K 4771	55	Lines	-	-	-	-	-	-	-	-	-	-	-
4158	LUCERNE-LUGO/MIRA LOMA LN	500	Lines	-	-	-	498,252	-	-	-	-	-	-	-
4300	MET T/S REGION	220	Lines	103,541	439,317	-	-	-	-	-	-	-	-	-
4400	COASTAL T/S REGION	66	Lines	1,437,204	2,604,820	-	-	-	-	-	-	-	-	-
4500	EASTERN T/S REGION	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4600	NRTHN T/S REGION	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4700	EASTERN T/S REG	220	Lines	290,840	784,929	913	-	-	-	-	-	-	-	-
4799	HUMAN EXTERNAL CARGO TRAININC	66	Lines	-	-	-	-	-	-	-	-	-	-	-
4800	VAR. TRANS. LINES-S/E DIV	115	Lines	3,783,979	6,890,890	-	-	-	-	-	-	-	-	-
4900	NORTHEASTERN T/S DIV.	66	Lines	-	-	-	-	-	-	-	-	-	-	-
2236	BIG CREEK NO.4	220	100% Subs	-	-	-	-	-	4,842,008	-	-	-	-	-
2570	INYO	220	100% Subs	-	-	-	-	287,755	4,197,276	-	-	-	-	-
5001	METRO GOM MAINT	500	100% Subs	-	-	-	-	-	47,719,606	-	-	-	-	-
5019	HARBORGEN SUB	220	100% Subs	-	-	-	-	18,729	3,991,930	-	-	-	-	-
5026	EL SEGUNDO SWITCHRACK SUB	220	100% Subs	-	-	-	12,470	102,005	2,245,678	-	-	-	-	-
5032	MIDWAY SUB	500	100% Subs	-	-	-	-	396,679	190,211	-	-	-	-	-
5036	PASTORIA SUB	220	100% Subs	-	-	-	21,435	1,279,909	13,186,655	-	-	-	-	-
5044	CLWTR SWITCHRACKS 1,2	115	100% Subs	-	-	-	-	-	1,476,690	-	-	-	-	-
5045	MOHAVE SWITCHRACK	500	100% Subs	-	-	-	-	3,879,581	8,435,508	-	-	-	-	-
5047	RANCHO VISTA SUB	500	100% Subs	-	-	-	1,844,367	22,793,802	154,023,670	-	-	-	-	-
5054 & 8954	Vincent	500	100% Subs	-	-	-	17,324,279	18,062,067	216,319,752	-	-	-	-	-
5058	SYLMAR SUB	1000	100% Subs	-	-	-	-	19,757	1,948,141	-	-	-	-	-
5061	LUGO SUB	500	100% Subs	-	-	-	90,983	23,115,678	145,794,754	-	-	-	-	-
5065	PISGAH SUB	220	100% Subs	-	-	-	-	97,920	3,793,106	-	-	-	-	-
5089	LEWIS SUB	220	100% Subs	-	-	-	1,444	186,750	5,320,551	-	-	-	-	-
5091	MEAD SUB	500	100% Subs	-	-	-	-	-	12,306	-	-	-	-	-

















**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Balance by FERC Account (ISO Transmission) Current Study			350	352	353	354	355	356	357	358
				357	358	359								
5720	FREEMONT SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5779	DAVIDSON CITY	33	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5812	MURPHY SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5886	PIONEER SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8207	HOLIDAY SUB	33	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8210	OLIVE LAKE SUB	33	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8231	RUBIDOUX SUB	33	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8252	TRONA SUB	33	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8056		0 115	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8058		0 220	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8081		0 115	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8339		0 115	0% Subs	-	-	-	-	-	-	-	-	-	-	-
8373		0 115	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5305	DELANO SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5312	LIBERTY SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5321	PIXLEY SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
5331	VISALIA SUB	66	0% Subs	-	-	-	-	-	-	-	-	-	-	-
1020	STM GEN		0% Subs	-	-	-	-	-	-	-	-	-	-	-
0		0	0% Subs	-	-	-	-	-	-	-	-	-	-	-
1000	DIV MTCE / OVERHAUL MNGT		Mix Subs	-	-	-	-	-	3,656	-	-	-	-	-
1250	MOUNTAINVIEW POWER-COMMON		Mix Subs	-	-	-	-	-	13,720,262	-	-	-	-	-
1869	PALOVERDE-SWITCHYARD		Mix Subs	-	-	-	-	1,587,149	4,595,568	-	-	-	-	-
1870	PV UNIT 1-INCREMENTAL		Mix Subs	-	-	-	-	-	113,395	-	-	-	-	-
8076 & 1995	San Bernardino-220kv Switchyard & 2	220	Mix Subs	-	-	-	78,627	1,383,388	13,040,806	-	-	-	-	-
2211	BIG CREEK NO.1	220	Mix Subs	-	-	-	-	135,115	4,689,577	-	-	-	-	-
2212	BIG CREEK NO.2		Mix Subs	-	-	-	-	-	881,907	-	-	-	-	-
2229	BIG CREEK NO.8	220	Mix Subs	-	-	-	-	273,154	2,274,118	-	-	-	-	-
2230	BIG CREEK NO.3	220	Mix Subs	-	-	-	-	1,951,456	15,370,599	-	-	-	-	-
2234	BIG CREEK NO.2A		Mix Subs	-	-	-	-	-	599,921	-	-	-	-	-
5000	SUBSTN DIV		Mix Subs	-	-	-	-	-	1,902,077	-	-	-	-	-
5011	EAGLE ROCK SUB	220	Mix Subs	-	-	-	3,301	526,712	6,066,993	-	-	-	-	-
5012	MESA SUB	220	Mix Subs	-	-	-	651,608	3,364,144	15,232,664	-	-	-	-	-
5013	RIO HONDO SUB	220	Mix Subs	-	-	-	141,801	3,136,235	23,322,296	-	-	-	-	-
5023	EL NIDO SUB	220	Mix Subs	-	-	-	83,301	2,321,817	9,447,094	-	-	-	-	-
5024	LA CIENEGA SUB	220	Mix Subs	-	-	-	620,253	1,562,305	12,980,273	-	-	-	-	-
5025	ALAMITOS SWITCHRACK SUB	220	Mix Subs	-	-	-	29,353	1,260,867	15,072,883	-	-	-	-	-
5027	LG BCH SWITCHRACK SUB	220	Mix Subs	-	-	-	33,611	464,465	3,014,967	-	-	-	-	-
5028	REDONDO SWITCHRACK SUB	220	Mix Subs	-	-	-	9,041	27,612	3,963,916	-	-	-	-	-
5031	MAGUNDEN SUB	220	Mix Subs	-	-	-	7,931	3,105,388	16,963,638	-	-	-	-	-
5033	RECTOR SUB	220	Mix Subs	-	-	-	228,330	10,526,401	65,931,687	-	-	-	-	-
5035	VESTAL SUB	220	Mix Subs	-	-	-	3,102	791,412	19,352,958	-	-	-	-	-
5038	NO. T/S REG OFC/VALENCIA		Mix Subs	-	-	-	91,765	2,396,896	-	-	-	-	-	-
5040	EAGLE MT. SUB	220	Mix Subs	-	-	-	-	61,999	1,508,632	-	-	-	-	-
5041 & 8046	Inyokern (CEP) & Inyokern	115	Mix Subs	-	-	-	3,022	183,052	5,421,175	-	-	-	-	-
5042 & 8046	Kramer & Kramer-Radial Line Agmt	220	Mix Subs	-	-	-	38,032	1,504,163	40,738,997	-	-	-	-	-
5043	CIMA SUB	220	Mix Subs	-	-	-	207	1,945	372,293	-	-	-	-	-
5050	PARDEE SUB	220	Mix Subs	-	-	-	864,464	3,092,551	34,960,814	-	-	-	-	-
5055	GOLETA SUB	220	Mix Subs	-	-	-	84,457	2,127,526	9,859,138	-	-	-	-	-
5056	MOORPARK SUB	220	Mix Subs	-	-	-	26,381	939,671	9,398,851	-	-	-	-	-
5059	BAILEY SUB	220	Mix Subs	-	-	-	110,312	7,170,885	32,269,033	-	-	-	-	-
5060	PADUA SUB	220	Mix Subs	-	-	-	59,865	2,046,222	21,495,004	-	-	-	-	-
5062	CHINO SUB	220	Mix Subs	-	-	-	7,965	856,737	8,825,658	-	-	-	-	-
5063	JULIAN HINDS SUB	220	Mix Subs	-	-	-	-	1,513,750	23,577,715	-	-	-	-	-
5064	VISTA SUB	220	Mix Subs	-	-	-	9,679	4,712,836	13,054,941	-	-	-	-	-
5067	DEVERS SUB	500	Mix Subs	-	-	-	1,152,404	30,534,336	192,031,259	-	-	-	-	-

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Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Balance by FERC Account (ISO Transmission) Current Study			354	355	356	357	358
				357	358	359					
5070 & 8034	Valley & Valley - CEP	500	Mix Subs	-	-	-	108,995	13,536,468	87,500,650	-	-
5071	HINSON SUB	220	Mix Subs	-	-	-	169,673	149,112	7,700,301	-	-
5073	LIGHTHIPE SUB	220	Mix Subs	-	-	-	49,089	4,270,730	11,191,238	-	-
5075	DEL AMO SUB	220	Mix Subs	-	-	-	32,713	1,010,208	10,785,146	-	-
5079	WINDHUB SUB	220	Mix Subs	-	-	-	1,083,632	27,206,358	186,246,509	-	-
5081	BARRE SUB	220	Mix Subs	-	-	-	28,830	1,324,313	20,110,379	-	-
5082	VILLA PARK SUB	220	Mix Subs	-	-	-	95,351	2,785,165	18,080,951	-	-
5084	CENTER SUB	220	Mix Subs	-	-	-	9,595	542,507	6,572,606	-	-
5085 & 5881	JOHANNA SUB	220	Mix Subs	-	-	-	385,875	2,624,962	13,268,489	-	-
5086	ELLIS SUB	220	Mix Subs	-	-	-	15,061	1,431,211	17,823,369	-	-
5087	OLINDA SUB	220	Mix Subs	-	-	-	59,967	343,001	4,266,410	-	-
5088	SANTIAGO SUB	220	Mix Subs	-	-	-	436,151	8,249,784	103,009,086	-	-
5096	ETIWANDA SWITCHRACK SUB	220	Mix Subs	-	-	-	44,881	958,592	14,175,966	-	-
5100	METRO REGION		Mix Subs	-	-	-	-	-	183,068	-	-
5556	NEENACH SUB		Mix Subs	-	-	-	-	-	242,458	-	-
8065	ALBERHILL SUB		Mix Subs	-	-	-	-	-	-	-	-
9339	CONWAY SUMMIT COMM SITE		Mix Subs	-	-	-	-	-	8,674	-	-
8370	SANDLOT SUB	220	Mix Subs	-	-	-	-	48,234	-	-	-
8063	CHEVMAIN	220	Mix Subs	-	-	-	-	89,222	3,636,188	-	-
6072	BARSTOW NO RGN-SAN BERDOO		Mix Subs	-	-	-	-	4,903	-	-	-
9010	B&A-T/S 3RD FLOOR-GO3		Mix Subs	-	-	-	-	-	479	-	-
9024	CHINO OFC BLDG (FACILITY)		Mix Subs	-	-	-	-	240,473	-	-	-
7010	FRESNO COUNTY		Mix Subs	-	-	-	-	-	1	-	-
7056	VENTURA COUNTY		Mix Subs	-	-	-	-	-	43,505	-	-
8000	ROADWAY(CEP)	115	Mix Subs	-	-	-	24,273	148,555	2,157,862	-	-
8006	EL CASCO SUBSTATION	220	Mix Subs	-	-	-	-	3,287,113	5,890,653	-	-
8037	TORTILLA(CEP) SUB	115	Mix Subs	-	-	-	5,444	141,292	4,338,518	-	-
8049	VICTOR SUB	220	Mix Subs	-	-	-	19,169	10,028,869	97,477,189	-	-
9203	FUELS		Mix Subs	-	-	-	-	-	198,856	-	-
9221	INNOVATION VILLAGE 1		Mix Subs	-	-	-	-	-	878,166	-	-
9243	CONTROL SYS SEC-ALHAMBRA		Mix Subs	-	-	-	-	218,439	1,723,122	-	-
9078	IRVINE OPER CENTER		Mix Subs	-	-	-	-	5,308	-	-	-
9330	TELECOMM-ALHAMBRA		Mix Subs	-	-	-	-	-	66,054	-	-
2556	CONTROL STATION	115	Mix Subs	-	-	-	-	1,313,124	13,223,908	-	-
5014	WALNUT SUB	220	Mix Subs	(278)	(78)	-	8,395	393,739	2,931,901	-	-
5015	GOULD SUB	220	Mix Subs	-	-	4,090	10,825	411,397	11,735,226	-	-
5021	LA FRESA SUB	220	Mix Subs	(43,217)	-	-	22,953	1,332,707	18,417,255	-	-
5052	ANTELOPE SUB	500	Mix Subs	37,191	-	-	21,982	6,776,766	202,905,602	-	-
5053	SANTA CLARA SUB	220	Mix Subs	-	-	13,555	36,807	759,190	13,796,280	-	-
5069	MIRA LOMA SUB	500	Mix Subs	-	-	-	403,658	22,891,175	176,801,305	-	-
5074	LAGUNA BELL SUB	220	Mix Subs	14,172	-	-	32,857	689,253	12,695,572	-	-
5083	VIEJO SUBSTATION	220	Mix Subs	10	-	-	3,216,341	2,126,406	8,419,729	-	-
8012	MIRAGE(CEP) SUB	220	Mix Subs	-	-	1	278,539	2,106,614	23,373,804	0	-
5034	SRINGVILLE SUB	220	Mix Subs	-	-	-	4,269	423,857	12,227,380	-	-
	1000 kV T Lines	1000		-	-	-	-	96,382	-	40,463,083	-
	500 kV T Lines	500		124,348,824	3,842,531	43,836	1,386,974,078	123,405,704	613,574,193	189,974,942	67,667,952
	230 kV T Lines	220		82,954,753	9,628,357	1,517,814	852,149,854	175,709,414	590,220,496	176,058	17,021,429
	161 kV T Lines	161		33,310	-	-	-	2,727,822	331,263	-	-
	115 kV T Lines	115		5,167,942	105,966	468,378	3,650,356	52,254,210	19,394,182	71,489	230,993
	66 kV T Lines	66		321,865	902,607	17,686	143,551	10,326,931	2,423,177	-	-
	55 kV T Lines	55		-	-	-	-	-	-	-	-
<b>Total Lines</b>				<b>212,826,694</b>	<b>14,575,842</b>	<b>2,047,714</b>	<b>2,283,380,922</b>	<b>364,424,080</b>	<b>1,245,933,686</b>	<b>190,222,489</b>	<b>84,920,374</b>

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Transmission Study Results

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Location	Description	Voltage	Study	Non ISO Account Balances		
				350	352	353
4031	DWP-EDSN CELILO-SYLMR CA	1000	Lines	136,841	-	-
4034	DWP-EDSN CELILO-SYLMR NV	1000	Lines	668,871	-	-
4026	MIDWAY-VINCENT LINES 1&2	500	Lines	795,535	-	-
4123	LUGO-VINCENT LNES 1&2	500	Lines	1,891	-	-
4130	MOHAVE-LUGO 500KV	500	Lines	19,051	-	-
4136	LUGO-ELDORADO LN	500	Lines	117,747	-	-
4137	LUGO-ELDORADO LN	500	Lines	20,088	-	-
4138	LUGO-MIRA LOMA 2&3	500	Lines	591,464	-	-
4140	MOHAVE-LUGO 500 KV LN	500	Lines	329,333	-	-
4141	MOHAVE-ELDORADO LN	500	Lines	55,916	-	-
4143	ELDORADO-BORDER 500 KV LN	500	Lines	145,064	-	-
4148	MIRA LOMA-SERRANO LN	500	Lines	751,259	-	-
4154	LUGO-VICTORVLL EDSON-DWP	500	Lines	-	-	-
4155	MIDWAY-VINCENT LN 3	500	Lines	187,772	-	-
4185	DEVERS-PALO VERDE	500	Lines	467,228	-	-
4186	DEVERS-PALO VERDE	500	Lines	147,245	-	-
4187	DEVERS-VALLEY LNS 1,2	500	Lines	18,238,433	-	-
4188	SERRANO-VALLEY LN	500	Lines	2,640,525	-	-
4191	VALLEY-INLAND 500KV TL	500	Lines	-	-	-
4360	MIRA LOMA - VINCENT 500 kv LINE	500	Lines	36,467,048	-	-
4708	ANTELOPE-WINDHUB 500KV LN	500	Lines	-	-	-
4710	ANTELOPE-WHIRLWIND 500KV LN	500	Lines	2,227,186	-	-
4711	WHIRLWIND-WINDHUB 500KV L	500	Lines	-	-	-
4712	ANTELOPE - VINCENT #2 500KV	500	Lines	-	-	-
4716	ANTELOPE-VINCENT #1 500 kv	500	Lines	-	-	-
4045	PARDEE-SYLMAR LNES 1&2	220	Lines	38,006	-	-
4046	EAGLE ROCK-SYLMAR LNE	220	Lines	-	-	-
4051	PARDEE-VINCENT LN 1	220	Lines	145,317	-	-
4059	PARDEE-VINCENT LINE CONST	220	Lines	20,953	-	-
4070	RIO HONDO-VINCENT LN 2	220	Lines	11,892	-	-
4101	MANY TRANSMISSION LINES	220	Lines	1,126,734	31,613	13,500
4102	COGEN/RENEWABLE ENERGY SO	220	Lines	467,577	634,504	-
4104	DEVERS-HINS LN, OTHERS	220	Lines	2,450,350	70,245	4,334
4107	ANTELOPE/MESA LINE, OTHER	220	Lines	87,577,193	-	-
4108	CHINO-SERRANO/SN ONFRE LN	220	Lines	454,120	181	76
4109	COACHELLA VALLEY-DEVERS (SCE PO	220	Lines	-	-	-
4111	BIG CRK 3-BIG CRK 4	220	Lines	29,429	-	-
4113	BIGCRK-SPRGVL, MGDN-SPRGV	220	Lines	630,959	81	2
4114	ALAMITOS-MESA LN, OTHERS	220	Lines	290,261	146,824	43,112
4115	HINSON-LIGHTHIPE 1&2	220	Lines	27,417	-	-
4116	HINSON-LAFRESA, OTHERS	220	Lines	13,558	-	-
4117	ELDRDO-CIMA-PISGAH LN1,2	220	Lines	151,162	-	-
4118	MRA LMA-VLL PK LNS, OTHR	220	Lines	148,992	970,902	127,150
4119	CENTER-MESA LN, OTHERS	220	Lines	2,251,836	429,429	53,515
4120	ALAMITOS-CENTER, OTHERS	220	Lines	29,682	477,695	57,953
4121	BIG CREEK 4-SPRNGVLL-MGDN	220	Lines	143,697	-	-
4125	GOLETA-SNTA CLARA, OTHERS	220	Lines	1,325,249	2,945,628	302,622
4127	NORTH BOULDER-MEAD, OTHER	220	Lines	3,301	7,261	-
4135	LUGO-VICTOR LNS, OTHER	220	Lines	55,833	767,588	47,437
4135	LUGO-VICTOR LNS, OTHER	115	Lines	23,529	-	-
4144	ELDORADO-MEAD LNS 1&2	220	Lines	1,023	-	-
4147	VINCENT-PARDEE LN 2	220	Lines	145,187	-	-
4153	VINCENT-PEARBLOSSOM LN	220	Lines	-	309,032	-
4156	ELLIS-SANTIAGO LNS 1,2	220	Lines	38,262	-	-
4157	RIO HONDO-VINCENT NO. 2 220/500	220	Lines	561,709	-	-
4166	BIG CRK 2-BIG CRK 8	220	Lines	-	-	-

**SOUTHERN CALIFORNIA EDISON COMPANY**

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Location	Description	Voltage	Study		Non ISO Account Balances		
				359	350	352	353
4168	BIG CRK 3-MAMMOTH POOL	220	Lines	-	4,331	523,515	-
4169	BIG CRK 1-RECTOR, OTHER	220	Lines	1,217,052	292,357	1,461	68
4189	SERRANO-VILLA PK LN 1,2,3	220	Lines	-	-	-	-
4193	BIG CRK 1-EASTWOOD	220	Lines	-	-	-	-
4207	E.MAGUNDEN-ANTELOPE 220KV	220	Lines	-	-	25,798	-
4644	ANTELOPE-PARDEE	220	Lines	3,941,302	-	-	-
4709	WINDHUB-HIGHWIND 230KV LN	220	Lines	-	-	-	-
4733	ELDORADO-IVANPAH NO 1&2 - CA	220	Lines	-	-	-	-
4734	ELDORADO-IVANPAH NO 1&2 - NV	220	Lines	2,178,685	-	-	-
4756	DEVERS-SN BRDNO 220 KV LN	220	Lines	119,281	-	-	-
4792	COGEN/RENW ENERGY 220KV & ABC	220	Lines	-	-	-	-
4759	BLYTHE-EAGLE MT 161 KV LN	161	Lines	4,845	-	-	-
4731	POOLE-LEE VINING 115KV LI	115	Lines	-	-	-	-
4732	RUSH CRK-LEE VINING 115KV	115	Lines	-	-	-	-
4735	BISHOP CRK55&115KV LINES	115	Lines	-	(11)	-	-
4750	115 KV LNS, ESTN T/S REG	115	Lines	517,121	11,739,458	204,098	1,202,269
4781	HOOVER-CLWTR 115 KV LN	115	Lines	1,352	23	-	-
4782	HOOVER-CLWTER 115 KV LN	115	Lines	21,669	-	-	-
4105	33 AND 66 KV LINES	66	Lines	117,433	32,964,927	9,013,930	2,591,582
4106	COGEN/RENEW ENGY SOURCES	115	Lines	-	563,121	-	35,918
4124	BIG CRK 1-CMP TEN-...PRTL	66	Lines	-	485	-	-
4128	LYTLE CREEK-POLE 534694E	66	Lines	-	-	-	-
4129	KERN RIVER3-VESTAL 66 KV	66	Lines	-	38,460	-	-
4132	CUMMINGS-KERBN RIV1, OTHE	66	Lines	-	3,146	-	-
4133	BOREL-...-WALKER 66KV LN	66	Lines	-	53,165	-	-
4139	SPRGVLL-TULE 66KV LN	66	Lines	-	517	-	-
4142	BOREL-WELDON 66KV LN	66	Lines	-	25,409	-	-
4149	SANTA ANA LNS 1,2,3	66	Lines	-	232	-	-
4705	CORONA-JEFFERSON 66 KV LN	66	Lines	14,282	146,317	1,270,059	-
4730	LEE VINING-LUNDY 55K 4771	55	Lines	-	10,585	-	-
4158	LUCERNE-LUGO/MIRA LOMA LN	500	Lines	-	-	-	-
4300	MET T/S REGION	220	Lines	-	-	131,348	15,463
4400	COASTAL T/S REGION	66	Lines	-	3,127	433,988	92,729
4500	EASTERN T/S REGION	66	Lines	-	-	78,929	916,891
4600	NRTHN T/S REGION	66	Lines	-	-	1,987,424	-
4700	EASTERN T/S REG	220	Lines	-	33,305	181,044	591,382
4799	HUMAN EXTERNAL CARGO TRAINING	66	Lines	-	-	321,805	-
4800	VAR. TRANS. LINES-S/E DIV	115	Lines	-	2,931	1,534,075	711,670
4900	NORTHEASTERN T/S DIV.	66	Lines	-	-	1,552,146	-
					-	-	-
2236	BIG CREEK NO.4	220	100% Subs	-	-	-	-
2570	INYO	220	100% Subs	-	-	-	-
5001	METRO GOM MAINT	500	100% Subs	-	-	-	-
5019	HARBORGEN SUB	220	100% Subs	-	-	-	-
5026	EL SEGUNDO SWITCHRACK SUB	220	100% Subs	-	-	-	-
5032	MIDWAY SUB	500	100% Subs	-	-	-	-
5036	PASTORIA SUB	220	100% Subs	-	-	-	-
5044	CLWTR SWITCHRACKS 1,2	115	100% Subs	-	-	-	-
5045	MOHAVE SWITCHRACK	500	100% Subs	-	-	-	-
5047	RANCHO VISTA SUB	500	100% Subs	-	-	-	-
5054 & 895	Vincent	500	100% Subs	-	-	-	-
5058	SYLMAR SUB	1000	100% Subs	-	-	-	-
5061	LUGO SUB	500	100% Subs	-	-	-	-
5065	PISGAH SUB	220	100% Subs	-	-	-	-
5089	LEWIS SUB	220	100% Subs	-	-	-	-
5091	MEAD SUB	500	100% Subs	-	-	-	-



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Location	Description	Voltage	Study		Non ISO Account Balances		
				359	350	352	353
5092	MOENKOPI SUB	500	100% Subs	-	-	-	-
5094	EAST SERIES CAPACITORS 1	500	100% Subs	-	-	-	-
5097	PALO VERDE SWITCHRACK SUB	500	100% Subs	-	-	-	-
8060	WHIRLWIND SUB	500	100% Subs	-	-	-	-
8084	HIGHWIND SUB	220	100% Subs	-	-	-	-
8367	COLORADO RIVER SUB	500	100% Subs	-	-	-	-
8372	PRIMM SUBSTATION	220	100% Subs	-	-	-	-
8960	WEST TRANSITION	500	100% Subs	-	-	-	-
8932	MIDWAY-PAC INTERTIE	500	100% Subs	-	-	-	-
8950	PARDEE-PAC INTERTIE	220	100% Subs	-	-	-	-
9219	RP&AS,LND&ESMNT REQUIS	220	100% Subs	-	-	-	-
5090	EL DORADO SUB(NEVADA)	500	100% Subs	94,492	-	-	-
5080	SERRANO SUB	500	100% Subs	2,236,590	-	-	-
5093	WEST SERIES CAPACITORS	500	100% Subs	-	-	-	-
8958	SYLMAR-PAC INTERTIE	1000	100% Subs	-	-	-	-
5010	T.M. GOODRICH SUB-PASADEN	220	100% Subs	-	-	-	-
5018	DRYCREEKWIND SUB	220	100% Subs	-	-	-	-
8363	IVANPAH SUB	220	100% Subs	-	-	-	-
8369	RED BLUFF SUB	500	100% Subs	-	-	-	-
TERNALORD INTERNAL ORDER				0% Subs	-	-	781
1451	EDISON ITAC		0% Subs	-	-	-	35,855
2150	MAMMOTH POOL LAKE-FP 2085	220	0% Subs	-	-	-	24,016
2202	BIG CREEK CANYON	33	0% Subs	-	-	-	1,641,022
2237	PORTAL POWER PLANT	33	0% Subs	-	-	-	68,246
2238	MAMMOTH POOL	220	0% Subs	-	-	-	2,840,762
2239	EASTWOOD POWER STATION	220	0% Subs	-		627,754	4,940,311
2300	HYDRO PRODUCTION		0% Subs	-	-	-	10,367
2301	SNTA ANA RV&MILL CRK CNYN	33	0% Subs	-	-	-	421,924
2303	LYTLE CRK&SN ANTONIO CNYN	33	0% Subs	-	-	-	140,226
2305	KERN RIVER CANYON	66	0% Subs	-	-	-	692,140
2307	KAWEAH RIVER CANYON	66	0% Subs	-	-	-	572,929
2309	SAN GORGONIO CANYON	33	0% Subs	-	-	-	193,975
2313	KERN RIVER NO.1	66	0% Subs	-		4,184	354,262
2314	BOREL	66	0% Subs	-	-	1,383	259,591
2315	SANTA ANA NO.1	33	0% Subs	-	-	-	36,406
2317	SANTA ANA NO.3	33	0% Subs	-		-	14,930
2318	MILL CREEK NO.1	33	0% Subs	-	1,464	-	7,316
2319	MILL CREEK NO.2&3	33	0% Subs	-		-	52,080
2324	KAWEAH NO.1	66	0% Subs	-	-	-	48,507
2325	KAWEAH NO.2	66	0% Subs	-	-	2,694	49,126
2326	KAWEAH NO.3	66	0% Subs	-	-	-	57,269
2327	LOWER TULE RIVER	66	0% Subs	-	-	-	50,834
2328	KERN RIVER NO.3	66	0% Subs	-	-	-	508,392
2331	ONTARIO NO.1	66	0% Subs	-	-	-	205,914
2500	EASTERN HYDRO REGION	55	0% Subs	-		7,254	310,778
2501	BISHOP CREEK CANYON		0% Subs	-	-	-	697,220
2503	MONO BASIN	115	0% Subs	-	-	-	196,344
2560 & 2511	Lundy	55	0% Subs	-	-	317,627	5,816,830
2512	POOLE	115	0% Subs	-	-	-	120,052
2514	RUSH CREEK	115	0% Subs	-	-	-	175,912
2522	BISHOP CREEK NO.2	55	0% Subs	-	-	-	80,487
2523	BISHOP CREEK NO.3	55	0% Subs	-	-	-	1,841,377
2524	BISHOP CREEK NO.4	55	0% Subs	-	-	-	88,569
2525	BISHOP CREEK NO.5	55	0% Subs	-	-	-	43,037
2526	BISHOP CREEK NO.6	55	0% Subs	-	-	-	39,098

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Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	352
2553	FISH LAKE VALLEY METERING	55	0% Subs	-	-	1,343
2557	CASA DIABLO	115	0% Subs	-	2,119	290,687
2561	LEE VINING	115	0% Subs	-	344	261,722
2571	SHERWIN	115	0% Subs	-	-	100,772
2582	ZACK	55	0% Subs	-	400,881	-
2598	MT. TOM	55	0% Subs	-	-	(230)
3717	DAF INDAL 500KW WND TURBN	33	0% Subs	-	714	-
5016	LEBEC SUBSTATION	220	0% Subs	-	-	15,138
5022	ARCOGEN SUB	220	0% Subs	-	-	963,824
5046	CLWTR SWITCHRACK 3,4 SUB	220	0% Subs	-	48,136	156,227
5048	MANDALAY SWITCHRACK SUB	220	0% Subs	-	49,104	29,546
5049	ORMOND BCH SWITCHRACK SUB	220	0% Subs	-	158,170	34,483
5051	SAUGUS SUB	66	0% Subs	-	13,373	3,072,675
5066	GENE SUB	220	0% Subs	-	-	30,050
5068	CAMINO SUB	220	0% Subs	-	-	12,697
5072	VELASCO SUB	220	0% Subs	-	-	-
5078	HUNTINGTON BCH SWITCHRCK	220	0% Subs	-	21,660	70,925
5095	TRITON SUB	115	0% Subs	-	2,415,092	2,377,671
5101	ALHAMBRA SUB	66	0% Subs	-	-	83,447
5107	BANDINI SUB	66	0% Subs	-	4,583	16,136
5109	BICKNELL SUB	33	0% Subs	-	-	-
5112	THUMSGEN SUBSTATION	66	0% Subs	-	-	-
5116	RUSH SUB	66	0% Subs	-	-	-
5141	ROSEMEAD SUB	66	0% Subs	-	-	38,757
5158	ARROYO SUB	66	0% Subs	-	-	-
5161	AMADOR SUB	66	0% Subs	-	-	-
5162	FAIR OAKS SUB	33	0% Subs	-	-	-
5165	JPL SUB	66	0% Subs	-	-	-
5167	MAYFLOWER SUB	33	0% Subs	-	-	-
5170	TEMPLE SUB	33	0% Subs	-	-	-
5178	KIRK WALL SUBSTATION	66	0% Subs	-	3,995	-
5179	RAVENDALE SUB	66	0% Subs	-	-	11,112
5185	CITRUS SUB	66	0% Subs	-	-	-
5186	CORTEZ SUB	66	0% Subs	-	-	16,955
5196	RAILROAD SUB	66	0% Subs	-	-	57,470
5198	ALHAMBRA DIST SUB TRG FAC	66	0% Subs	-	-	25,705
5204	CULVER CITY SUB	66	0% Subs	-	-	-
5207	SEPULVEDA SUB	66	0% Subs	-	-	41,604
5211	INGLEWOOD SUB	66	0% Subs	-	-	15,404
5213	LENNOX SUB	66	0% Subs	-	-	25,054
5224	PEARL SUB	33	0% Subs	-	-	14,955
5235	WINDSOR HILLS SUB	66	0% Subs	-	-	1,766
5236	VALDEZ SUB	66	0% Subs	-	-	-
5238	LAWNDALE SUB	33	0% Subs	-	-	25,781
5241	YUKON SUB	66	0% Subs	-	4,415	-
5250	SAWTELLE SUB	66	0% Subs	-	-	25,891
5257	BRIDGE SUB	66	0% Subs	-	-	14,957
5259	STIRRUP SUB	33	0% Subs	-	-	14,955
5273	STANHILL SUB	66	0% Subs	-	-	-
5315	LAUREL SUB	66	0% Subs	-	-	-
5325	STRATHMORE SUB	66	0% Subs	-	-	-
5333	WOODVILLE SUB	66	0% Subs	-	-	302
5352	LINE CREEK SUB	33	0% Subs	-	-	-
5357	CUMMINGS SUB	66	0% Subs	-	-	-
5358	MONOLITH SUB	66	0% Subs	-	-	234
5365	ACTON SUB	66	0% Subs	-	24,167	-

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Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	353
5374	RIVERWAY SUB	66	0% Subs	-	801,825	-
5375	MASCOT SUBSTATION	66	0% Subs	-	573,588	-
5504	CASITAS SUB	66	0% Subs	-	-	(251)
5506	CHANNEL ISLANDS SUB	66	0% Subs	-	-	116,483
5507	ORTEGA SUB	66	0% Subs	-	-	24,357
5508	DEL SUR SUB	66	0% Subs	-	-	424,747
5510	FILLMORE SUB	66	0% Subs	-	-	5,566
5511	GOLDTOWN SUB	66	0% Subs	-	-	526,259
5514	LANCASTER SUB	66	0% Subs	-	-	1,071,949
5518	LITTLE ROCK SUB	66	0% Subs	-	-	1,690,353
5522	SHUTTLE SUB	66	0% Subs	-	-	911,750
5526	OJAI SUB	66	0% Subs	-	-	13,050
5530	REDMAN WUB	66	0% Subs	-	-	299,056
5531	SANTA BARBARA SUB	66	0% Subs	-	-	40,153
5538	VENTURA SUB	33	0% Subs	-	-	253,558
5539	ANAVERDE SUB	66	0% Subs	-	-	76,359
5541	ROSAMOND SUB	66	0% Subs	-	-	658,870
5545	PIUTE SUB	66	0% Subs	-	-	11,023
5546	ELIZABETH LAKE SUB	66	0% Subs	-	-	3,072
5547	CORUM SUB	66	0% Subs	-	-	380,255
5548	OASIS SUB	66	0% Subs	-	-	397,008
5553	CAL CEMENT SUB	66	0% Subs	-	-	15,551
5557	NEWBURY SUB	66	0% Subs	-	-	692,110
5562	GRISWOLD SUB	33	0% Subs	-	-	1,684
5564	PALMDALE SUB	66	0% Subs	-	-	593,395
5566	QUARTZ HILL SUB	66	0% Subs	-	-	11,023
5599	HELIJET SUB	66	0% Subs	-	-	499,396
5601	RANDALL SUB	66	0% Subs	-	-	20,403
5606	ORANGE PRODUCTS SUB	66	0% Subs	-	-	13,596
5612	INLAND CONTAINER SUB	66	0% Subs	-	-	20,750
5615	DECLEZ SUB	66	0% Subs	-	-	4,642
5631	SAN ANTONIO SUB	66	0% Subs	-	-	7,606
5646	COLTON CEMENT SUB	66	0% Subs	-	-	43,167
5652	AMERON SUB	66	0% Subs	-	-	531,131
5655	NOGALES SUB	66	0% Subs	-	-	16,835
5659	ARCHIBALD SUB	66	0% Subs	-	-	206,393
5664	WIMBLEDON SUB	66	0% Subs	-	-	1,282
5670	DEL ROSA SUB	66	0% Subs	-	-	17,327
5674	WHIPPLE SUB	66	0% Subs	-	-	8,714
5678	LANDING SUB	66	0% Subs	-	-	14,661
5740	NAPLES SUBSTATION	33	0% Subs	-	-	114,340
5758	WATSON SUBSTATION	66	0% Subs	-	-	3,790
5787	SOUTH GATE SUBSTATION	33	0% Subs	-	-	17,255
5788	BOVINE SUBSTATION	66	0% Subs	-	-	17,101
5798	MOVIE SUBSTATION	66	0% Subs	-	-	60
5811	CHIQUITA SUBSTATION	66	0% Subs	-	-	58,207
5814	CARMENITA SUBSTATION	66	0% Subs	-	-	146,427
5816	PARKWOOD SUBSTATION	66	0% Subs	-	-	93,280
5828	WAVE SUBSTATION	66	0% Subs	-	-	-
5842	OCEANVIEW SUBSTATION	66	0% Subs	-	-	58,101
5843	ORANGE SUBSTATION	66	0% Subs	-	-	422,806
5849	SANTA ANA SUBSTATION	33	0% Subs	-	-	6,882
5853	TALBERT SUB	66	0% Subs	-	-	24,273
5860	ALTON SUBSTATION	66	0% Subs	-	-	241,262
5862	SULLIVAN SUBSTATION	66	0% Subs	-	-	230,879
5865	ESTRELLA SUBSTATION	66	0% Subs	-	-	41,148

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Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	352
5869	SHAWNEE SUBSTATION	66	0% Subs	-	-	17,289
5878	TUSTIN SUBSTATION	66	0% Subs	-	11,308	-
5892	TELEGRAPH SUB	66	0% Subs	-	-	12,346
5896	NIGUEL SUBSTATION	66	0% Subs	-	-	21,384
5902	LAS LOMAS SUB	66	0% Subs	-	4,664,177	-
7013	IMPERIAL COUNTY	115	0% Subs	-	-	1,702
8003	PAUBA(CEP) SUB	115	0% Subs	-	106,825	757,631
8004	THORNHILL(CEP) SUB	115	0% Subs	-	25,609	996,191
8005	STADLER(CEP) SUB	115	0% Subs	-	139,611	786,164
8009	PAN AERO (CEP) SUB	115	0% Subs	-	-	641,248
8010	PHELAN(CEP) SUB	115	0% Subs	-	154,446	751,072
8011	BANWIND SUBSTATION	115	0% Subs	-	-	32,028
8013	APPLE VALLEY(CEP) SUB	115	0% Subs	-	-	1,660,601
8014	BUNKER(CEP) SUB	115	0% Subs	-	969,397	1,313,737
8016	FARREL(CEP) SUB	115	0% Subs	-	-	606,817
8017	CONCHO(CEP) SUB	115	0% Subs	-	285,201	672,863
8018	AULD(CEP) SUB	33	0% Subs	-	83,538	1,160,979
8019	MAXWELL(CEP) SUB	115	0% Subs	-	33,940	479,789
8020	SAVAGE(CEP) SUB	115	0% Subs	-	29,280	1,667,888
8021	PEPPER(CEP) SUB	115	0% Subs	-	17,579	425,103
8022	YUCCA(CEP) SUB	66	0% Subs	-	19,474	605,832
8023	BLACK MOUNTAIN(CEP) SUB	115	0% Subs	-	-	12,014
8024	ALESSANDRO(CEP) SUB	115	0% Subs	-	45,514	2,703,513
8025	BAKER(CEP) SUB	115	0% Subs	-	-	93,573
8026	BANNING(CEP) SUB	115	0% Subs	-	20,210	1,557,931
8027	COTTONWOOD(CEP) SUB	115	0% Subs	-	22,426	1,796,115
8028	EDWARDS(CEP) SUB	115	0% Subs	-	-	37,679
8029	HI DESERT(CEP) SUB	115	0% Subs	-	1,154,541	1,676,980
8030	MOUNTAIN PASS(CEP) SUB	115	0% Subs	-	70,286	15,922
8031	RANDBURG(CEP) SUB	115	0% Subs	-	116	336,971
8032	ROCKET TEST(CEP) SUB	115	0% Subs	-	-	18,045
8033	SEARLES(CEP) SUB	115	0% Subs	-	-	320,157
8035	ZANJA(CEP) SUB	115	0% Subs	-	152,559	1,611,442
8036	SANTA ROSA(CEP) SUB	33	0% Subs	-	44,689	433,444
8038	NELSON(CEP) SUB	115	0% Subs	-	22,819	712,157
8039	HOMART(CEP) SUB	115	0% Subs	-	174,875	393,551
8041	HOLGATE(CEP) SUB	115	0% Subs	-	27,167	347,967
8042	CALECTRIC SUB (CEP)	115	0% Subs	-	27,870	2,318,413
8044	GARNET SUB	115	0% Subs	-	38,081	1,710,498
8045	IID TIE SUB	115	0% Subs	-	39,144	-
8047	TIEFORT SUB	115	0% Subs	-	-	218,704
8048	USBR BLYTHE SUB	161	0% Subs	-	-	64,707
8055	SN ONOFRE SWTHRK-100%SCE	220	0% Subs	-	-	706,644
8059	PUREWATER SUB	115	0% Subs	-	-	172,508
8061	SEAWIND T/S	115	0% Subs	-	2,976	463
8064	TIFFANYWIND SUB	115	0% Subs	-	-	-
8072	CARODEAN	115	0% Subs	-	-	2,036,175
8073	IVYGLEN SUB	115	0% Subs	-	166,697	1,049,253
8074	COOL WATER SWITCHCRACK 1,2	220	0% Subs	-	-	69,954
8075	HIGHGROVE SWITCHCRCK	115	0% Subs	-	7,139	178,624
8079	AQUEDUCT SUB	115	0% Subs	-	2,880	925,853
8082	MENTONE SUB	115	0% Subs	-	161,883	684,537
8086	CAJALCO SUB	115	0% Subs	-	25,836	237,921
8087	HESPERIA SUB	115	0% Subs	-	22,150	329,879
8088	SKYLARK SUB	115	0% Subs	-	81,206	313,715
8089	MAYBERRY SUB	115	0% Subs	-	23,090	358,861

**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	352
8090	PERMANENTE SUB	115	0% Subs	-	-	87,113
8091	ELCENTRO TELEMETERING	161	0% Subs	-	-	15,844
8092	NILAND TELEMETERING	161	0% Subs	-	-	6,807
8093	SHANDIN SUB	115	0% Subs	-	42,272	457,108
8094	ARROWHEAD SUB	115	0% Subs	-	-	402,756
8095	STETSON SUB	115	0% Subs	-	23,493	718,412
8097	DUNN SIDING SUB	115	0% Subs	-	4,913	99,723
8099	TAMARISK SUB	115	0% Subs	-	125,967	379,583
8102	AMARGO SUB	33	0% Subs	-	-	21,140
8104	FARRELL SUB	33	0% Subs	-	-	-
8110	BARSTOW SUB	33	0% Subs	-	-	6,894
8113	BLYTHE SUB	33	0% Subs	-	-	22,511
8117	BRYMAN SUB	33	0% Subs	-	-	-
8120	MILITARY SUB	33	0% Subs	-	-	15,598
8132	CAL CITY SUB	33	0% Subs	-	-	6,894
8137	DOWNES SUB	33	0% Subs	-	82,401	3,680,740
8152	GLEN IVY SUB	33	0% Subs	-	-	15,642
8163	HELENDAL SUB	33	0% Subs	-	-	15,110
8179	Lakeview	115	0% Subs	-	1,488,305	-
8182	BOTTLE SUB	115	0% Subs	-	-	158,075
8190	MINNEOLA SUB	33	0% Subs	-	-	-
8193	MORENO SUB	33	0% Subs	-	104,923	742,093
8195	MURRIETA 2 SUB	33	0% Subs	-	-	-
8197	SOUTHCAP SUB.	115	0% Subs	-	-	-
8198	MUSCOY SUB	33	0% Subs	-	-	-
8204	BELDING SUB	33	0% Subs	-	-	42,109
8212	ORO GRANDE SUB	33	0% Subs	-	-	-
8214	PALM CANYON SUB	33	0% Subs	-	-	30,644
8220	LUCERNE SUB	33	0% Subs	-	-	13,167
8222	RANCHO SUB	33	0% Subs	-	-	6,894
8225	RIALTO SUB	33	0% Subs	-	-	17,716
8226	RIDGECREST SUB	33	0% Subs	-	-	-
8234	SAN JACINTO SUB	33	0% Subs	-	-	-
8250	TEMESCAL SUB	33	0% Subs	-	-	-
8260	VICTORVILLE SUB	33	0% Subs	-	-	6,894
8267	WILDE SUB	33	0% Subs	-	-	-
8268	YERMO SUB	33	0% Subs	-	-	6,894
8270	TENAJA SUBSTATION	115	0% Subs	-	-	-
8273	IRON MT SCE	33	0% Subs	-	-	8,651
8283	GALE SUB	33	0% Subs	-	-	2,638
8294	GOLD HILL SUB	33	0% Subs	-	-	6,894
8301	BUCKWIND	115	0% Subs	-	-	4,640
8302	CAPWIND	115	0% Subs	-	-	29,827
8303	RENWIND	115	0% Subs	-	-	15,102
8304	SANWIND	115	0% Subs	-	-	-
8305	TRANSWIND	115	0% Subs	-	-	25,366
8306	VENWIND	115	0% Subs	-	-	21,039
8308	ALTWIND	115	0% Subs	-	-	1,022
8310	TERAWIND	115	0% Subs	-	-	5,398
8311	INDIGO SUBSTATION	115	0% Subs	-	-	4,899
8312	CALGEN	115	0% Subs	-	532	1,600
8314	MCGEN	115	0% Subs	-	-	112,388
8320	SEGS II	115	0% Subs	-	-	-
8321	SEGS III	115	0% Subs	-	-	-
8322	SEGS IV	115	0% Subs	-	-	-
8323	SEGS V	115	0% Subs	-	-	-

**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	352
8324	SEGS VI	115	0% Subs	-	-	39,130
8325	SEGS VII	115	0% Subs	-	-	119,704
8326	SEGS VIII	220	0% Subs	-	-	83,150
8327	SEGS IX	220	0% Subs	-	-	74,085
8340	SOPORT	115	0% Subs	-	42,538	654,012
8342	NEWCOMB	115	0% Subs	-	51,172	1,226,277
8343	ELSINORE	115	0% Subs	-	20,961	1,539,154
8344	SOUTH BASE SUB	115	0% Subs	-	12,179	143,764
8345	INDIAN WELLS SUB	115	0% Subs	-	222,600	871,289
8346	FOGARTY SUB	66	0% Subs	-	-	4,398,452
8347	PECHANGA SUB	115	0% Subs	-	560,579	844,656
8351	TANKER SUBSTATION	115	0% Subs	-	120	4,440
8353	PLUESS SUBSTATION	115	0% Subs	-	-	-
8354	AFG SUBSTATION	115	0% Subs	-	-	78,655
8357	RECTIFIER SUB	115	0% Subs	-	-	5,170
8359	MOUNTWIND SUBSTATION	66	0% Subs	-	-	-
8361	COSO SUB	115	0% Subs	-	91,119	1,641,131
8362	MOVAL SUBSTATION	115	0% Subs	-	-	127,376
8504	RITTER SUB	66	0% Subs	-	942,487	-
8509	PHARMACY SUBSTATION	66	0% Subs	-	-	-
8511	GLOW SUBSTATION	66	0% Subs	-	-	-
8558	PLASTER SUBSTATION	66	0% Subs	-	4,671	-
8810	ONEIL SUBSTATION	66	0% Subs	-	1,188,142	-
8956	MWD EASTSIDE RES	115	0% Subs	-	-	-
9009	CONSTR FIELD FORCES		0% Subs	-	-	-
9047	TRANS/SUB SUPPORT SERV		0% Subs	-	-	-
9287	REAL PROP-LAND SVCS-STHRN		0% Subs	-	-	12,869
9440	WESTMINSTER FENWICK BLDG		0% Subs	-	-	8,929
9900	PLANT ACCTG-MISC. LEDGER		0% Subs	-	631	-
5110	WABASH (NEW) SUB	66	0% Subs	-	-	24,360
5139	GENAMIC SUB	66	0% Subs	-	-	5,739
5164	REPETTO SUB	66	0% Subs	-	-	17,757
5215	MADRID SUB	33	0% Subs	-	-	17
5221	OCEAN PARK SUB	33	0% Subs	-	-	126
5226	BRIGHTON SUB	66	0% Subs	-	-	115
5229	MOBIL OIL SUB	66	0% Subs	-	-	111
5239	CRATER SUB	66	0% Subs	-	-	-
5242	COLORADO SUB	66	0% Subs	-	-	143
5252	ROLLING HILLS SUB	66	0% Subs	-	-	821
5260	COLOSSUS SUB	66	0% Subs	-	-	-
5268	TOPAZ SUB	66	0% Subs	-	-	886
5271	TAHITI SUB	66	0% Subs	-	-	390
5275	MARYMOUNT SUB	66	0% Subs	-	-	147
5282	PALOGEN SUB	66	0% Subs	-	-	1,296
5302	BIG CREEK 2	33	0% Subs	-	-	-
5320	OCTOL SUB	66	0% Subs	-	-	265
5339	GREENHORN SUB	66	0% Subs	-	-	-
5410	FLOWIND SUB	66	0% Subs	-	-	-
5412	SILVER PEAK SUB	55	0% Subs	-	-	-
5520	MODOC SUB	33	0% Subs	-	-	-
5576	NEWHALL SUB	66	0% Subs	-	-	-
5616	FLANCO SUB	33	0% Subs	-	-	22,342
5618	FIREHOUSE SUB	66	0% Subs	-	-	6,520
5621	HUSTON SUB	33	0% Subs	-	-	45,573
5626	PEDLEY SUB	66	0% Subs	-	-	5,852
5633	SAN DIMAS SUB	66	0% Subs	-	-	19,651

**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Non ISO Account Balances		
				350	352	353
5645	LAYFAIR SUB	66	0% Subs	-	2,166	-
5650	LINDE AIR SUB	66	0% Subs	-	15,935	-
5654	REDUCTION SUB	66	0% Subs	-	34,835	-
5656	BAIN SUB	66	0% Subs	-	704	-
5658	PIPE SUB	66	0% Subs	-	32,989	-
5714	CUDAHY SUB	66	0% Subs	-	32,033	-
5754	SOMERSET SUBSTATION	66	0% Subs	-	33,691	-
5766	DAISY SUBSTATION	33	0% Subs	-	12,646	-
5893	PASSONS SUB	66	0% Subs	-	3,215	-
1860	PALOVERDE NUCL GEN PLT-U1	500	0% Subs	-	-	2,594,553
1864	PALO VERDE-UNIT 2	500	0% Subs	-	-	2,488,614
1866	PALO VERDE-UNIT 3	500	0% Subs	-	-	3,783,320
1867	PALOVERDE-COMMON 1,2,3	500	0% Subs	7,766	-	2,668,495
5832	LA HABRA SUBSTATION	66	0% Subs	-	-	17,125
8078	SUN CITY(NEW)	115	0% Subs	119,513	1,887,934	7,946,019
8096	MARSCHINO SUB	115	0% Subs	27,809	1,611,970	9,280,977
8098	EISENHOWER SUB	115	0% Subs	189,886	813,562	12,009,076
8348	MORAGA	115	0% Subs	40,720	307,859	17,229,485
9310	TELCOMM-ALHAMBRA		0% Subs	327,844	-	-
6011	RIALTO COMB FAC. BLDG B&C		0% Subs	-	2,770	-
8121	CANTIL SUB	33	0% Subs	-	-	7,293
8123	CATHEDRAL CITY SUB	33	0% Subs	-	9,939	-
8136	DESERT OUTPOST SUB	33	0% Subs	-	13,544	-
8159	EL SOBRANTE SUB	33	0% Subs	-	4,126	-
8161	HARVARD SUB	33	0% Subs	-	-	8,458
8170	INYOKERN TOWN SUB	33	0% Subs	-	-	7,735
8172	JOSHUA TREE SUB	33	0% Subs	-	9,177	-
8216	PEERLESS SUB	33	0% Subs	-	-	7,635
8238	SILVER SPUR SUB	33	0% Subs	-	8,994	-
8244	SUNNY DUNES SUB	33	0% Subs	-	13,259	-
8255	TWENTYNINE PALMS SUB	33	0% Subs	-	11,480	-
9077	INFO TECH-GO2		0% Subs	-	-	1,740,166
9235	RP&AS-NRTHSHRE REC AREA		0% Subs	-	-	-
2612	MINARET	33	0% Subs	-	-	-
5120	FEDERALGEN SUB	66	0% Subs	-	6,944	-
5152	JOSE SUB	66	0% Subs	-	56,769	3,887
5175	VAIL SUB	66	0% Subs	-	15,470	-
5188	DALTON SUB	66	0% Subs	-	82,794	-
5201	BEVERLY HILLS SUB	66	0% Subs	-	-	91
5210	HOWARD SUB	66	0% Subs	-	-	17,431
5405	CANWIND SUB	66	0% Subs	-	-	29,390
5406	ENWIND SUB	66	0% Subs	-	11,023	29,526
5409	MORWIND SUB	66	0% Subs	-	-	29,273
5414	DUTCHWIND SUB	66	0% Subs	-	11,023	22,949
5415	OAKWIND SUB	66	0% Subs	-	-	23,342
5424	MIDWIND SUB	66	0% Subs	-	-	23,000
5535	CHARMIN SUB	66	0% Subs	-	-	27,327
5572	GAVIOTA SUB	66	0% Subs	-	-	118,097
5604	TIMOTEO SUB	66	0% Subs	-	1,760	-
5629	REDLANDS SUB	66	0% Subs	-	(1,753)	21,359
5636	YUCAIPA SUB	66	0% Subs	-	31,005	-
5661	RUNNING SPRINGS SUB	33	0% Subs	-	31,398	-
5667	ARCHLINE SUB	66	0% Subs	-	12,856	-
5668	CRESTMORE SUB	66	0% Subs	-	14,975	-
5680	DIAMOND BAR SUB	66	0% Subs	-	-	49,398
5718	FRUITLAND SUB	66	0% Subs	-	12,712	-

**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study	Non ISO Account Balances		
				359	350	352
5720	FREEMONT SUB	66	0% Subs	-	-	6,957
5779	DAVIDSON CITY	33	0% Subs	-	-	6,957
5812	MURPHY SUB	66	0% Subs	-	-	20,469
5886	PIONEER SUB	66	0% Subs	-	-	6,944
8207	HOLIDAY SUB	33	0% Subs	-	-	19,356
8210	OLIVE LAKE SUB	33	0% Subs	-	-	558
8231	RUBIDOUX SUB	33	0% Subs	-	-	6,317
8252	TRONA SUB	33	0% Subs	-	-	6,499
8056		0 115	0% Subs	-	-	9,430,374
8058		0 220	0% Subs	-	-	-
8081		0 115	0% Subs	-	-	21,176
8339		0 115	0% Subs	-	-	10,350
8373		0 115	0% Subs	-	-	463,160
5305	DELANO SUB	66	0% Subs	-	-	1,174
5312	LIBERTY SUB	66	0% Subs	-	-	735
5321	PIXLEY SUB	66	0% Subs	-	-	364
5331	VISALIA SUB	66	0% Subs	-	-	696
1020	STM GEN		0% Subs	-	-	-
0		0	0% Subs	-	-	-
1000	DIV MTCE / OVERHAUL MNGT		Mix Subs	-	-	2,630
1250	MOUNTAINVIEW POWER-COMMON		Mix Subs	-	-	9,868,729
1869	PALOVERDE-SWITCHYARD		Mix Subs	-	-	878,371
1870	PV UNIT 1-INCREMENTAL		Mix Subs	-	-	-
8076 & 1995	San Bernardino-220kv Switchyard & L	220	Mix Subs	-	223,766	3,942,872
2211	BIG CREEK NO.1	220	Mix Subs	-	-	129,296
2212	BIG CREEK NO.2		Mix Subs	-	-	-
2229	BIG CREEK NO.8	220	Mix Subs	-	-	9,495
2230	BIG CREEK NO.3	220	Mix Subs	-	-	379,133
2234	BIG CREEK NO.2A		Mix Subs	-	-	-
5000	SUBSTN DIV		Mix Subs	-	-	-
5011	EAGLE ROCK SUB	220	Mix Subs	-	16,312	4,374,420
5012	MESA SUB	220	Mix Subs	-	1,379,739	7,027,710
5013	RIO HONDO SUB	220	Mix Subs	-	315,729	1,809,567
5023	EL NIDO SUB	220	Mix Subs	-	202,319	5,633,682
5024	LA CIENEGA SUB	220	Mix Subs	-	1,479,974	3,735,962
5025	ALAMITOS SWITCHRACK SUB	220	Mix Subs	-	34,204	1,469,253
5027	LG BCH SWITCHRACK SUB	220	Mix Subs	-	63,602	878,908
5028	REDONDO SWITCHRACK SUB	220	Mix Subs	-	3,978	12,149
5031	MAGUNDEN SUB	220	Mix Subs	-	432	168,773
5033	RECTOR SUB	220	Mix Subs	-	166,513	7,251,639
5035	VESTAL SUB	220	Mix Subs	-	4,140	1,056,722
5038	NO. T/S REG OFC/VALENCIA		Mix Subs	-	31,577	1,326,506
5040	EAGLE MT. SUB	220	Mix Subs	-	-	281,908
5041 & 8041	Inyokern (CEP) & Inyokern	115	Mix Subs	-	4,942	299,087
5042 & 8042	Kramer & Kramer-Radial Line Agmt	220	Mix Subs	-	10,779	510,828
5043	CIMA SUB	220	Mix Subs	-	1,617	15,177
5050	PARDEE SUB	220	Mix Subs	-	105,799	377,656
5055	GOLETA SUB	220	Mix Subs	-	151,736	3,833,763
5056	MOORPARK SUB	220	Mix Subs	-	157,710	5,617,583
5059	BAILEY SUB	220	Mix Subs	-	751	48,850
5060	PADUA SUB	220	Mix Subs	-	89,682	2,903,952
5062	CHINO SUB	220	Mix Subs	-	26,500	2,927,807
5063	JULIAN HINDS SUB	220	Mix Subs	-	-	13,245
5064	VISTA SUB	220	Mix Subs	-	42,430	20,324,324
5067	DEVERS SUB	500	Mix Subs	-	218,479	5,798,296



**SOUTHERN CALIFORNIA EDISON COMPANY**

Transmission Study Results

As of December 2017

Location	Description	Voltage	Study		Non ISO Account Balances		
				359	350	352	353
5070 & 8034	Valley & Valley - CEP	500	Mix Subs	-	202,362	27,223,311	123,201,149
5071	HINSON SUB	220	Mix Subs	-	508,604	457,950	23,075,099
5073	LIGHTHIPE SUB	220	Mix Subs	-	115,591	10,056,405	26,352,315
5075	DEL AMO SUB	220	Mix Subs	-	153,269	5,706,438	49,545,139
5079	WINDHUB SUB	220	Mix Subs	-	148,294	3,728,845	25,482,044
5081	BARRE SUB	220	Mix Subs	-	57,358	2,661,515	39,555,219
5082	VILLA PARK SUB	220	Mix Subs	-	175,219	3,971,566	34,468,540
5084	CENTER SUB	220	Mix Subs	-	62,206	4,509,048	41,455,998
5085 & 588:	JOHANNA SUB	220	Mix Subs	-	427,541	2,910,504	12,498,899
5086	ELLIS SUB	220	Mix Subs	-	44,677	4,176,226	52,911,590
5087	OLINDA SUB	220	Mix Subs	-	330,571	1,890,805	23,518,755
5088	SANTIAGO SUB	220	Mix Subs	-	121,825	2,304,320	28,772,371
5096	ETIWANDA SWITCHRACK SUB	220	Mix Subs	-	141,264	3,017,201	44,619,346
5100	METRO REGION		Mix Subs	-	-	-	131,678
5556	NEENACH SUB		Mix Subs	-	-	-	174,395
8065	ALBERHILL SUB		Mix Subs	-	-	-	-
9339	CONWAY SUMMIT COMM SITE		Mix Subs	-	-	-	6,239
8370	SANDLOT SUB	220	Mix Subs	-	-	34,694	-
8063	CHEVMAIN	220	Mix Subs	-	-	287,409	11,713,255
6072	BARSTOW NO RGN-SAN BERDOO		Mix Subs	-	-	2,714	-
9010	B&A-T/S 3RD FLOOR-GO3		Mix Subs	-	-	-	344
9024	CHINO OFC BLDG (FACILITY)		Mix Subs	-	-	133,084	-
7010	FRESNO COUNTY		Mix Subs	-	-	-	0
7056	VENTURA COUNTY		Mix Subs	-	-	-	31,293
8000	ROADWAY(CEP)	115	Mix Subs	-	86,369	528,590	7,678,110
8006	EL CASCO SUBSTATION	220	Mix Subs	-	-	26,751,919	47,940,635
8037	TORTILLA(CEP) SUB	115	Mix Subs	-	11,669	233,656	9,368,416
8049	VICTOR SUB	220	Mix Subs	-	2,920	1,516,394	14,859,269
9203	FUELS		Mix Subs	-	-	-	143,034
9221	INNOVATION VILLAGE 1		Mix Subs	-	-	-	631,649
9243	CONTROL SYS SEC-ALHAMBRA		Mix Subs	-	-	157,119	1,239,410
9078	IRVINE OPER CENTER		Mix Subs	-	-	2,937	-
9330	TELECOMM-ALHAMBRA		Mix Subs	-	-	-	47,512
2556	CONTROL STATION	115	Mix Subs	-	-	257,632	2,133,341
5014	WALNUT SUB	220	Mix Subs	-	89,560	4,193,311	31,284,275
5015	GOULD SUB	220	Mix Subs	1,511	18,475	681,021	20,045,163
5021	LA FRESA SUB	220	Mix Subs	-	78,417	4,550,999	62,924,693
5052	ANTELOPE SUB	500	Mix Subs	-	0	105	1,536
5053	SANTA CLARA SUB	220	Mix Subs	3,545	103,932	3,453,408	37,687,048
5069	MIRA LOMA SUB	500	Mix Subs	-	71,077	3,896,197	31,262,498
5074	LAGUNA BELL SUB	220	Mix Subs	-	98,405	2,062,534	37,706,446
5083	VIEJO SUBSTATION	220	Mix Subs	-	10,069,630	6,657,640	26,359,909
8012	MIRAGE(CEP) SUB	220	Mix Subs	0	351,001	2,622,459	29,487,378
5034	SRINGVILLE SUB	220	Mix Subs	-	7,929	975,230	22,534,312

805,712

65,533,867

105,601,075

4,845

563,671

131,715

-

**172,640,885**