

SOUTHERN CALIFORNIA EDISON COMPANY

Transmission/Distribution ISO Facilities Study

12-31-2016 Facilities

\$

Transmission

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
Land (Substation and Line)				
350	\$338,945,967	\$338,945,967	\$252,172,630	74.40%
Substation				
352	825,778,508	825,778,508	531,582,611	64.37%
353	5,586,246,880	5,586,246,880	3,249,175,449	58.16%
Total Substation	6,412,025,388	6,412,025,388	3,780,758,060	58.96%
Lines				
354	2,305,498,226	2,305,498,227	2,233,991,232	96.90%
355	1,158,164,968	1,158,164,968	324,258,228	28.00%
356	1,499,811,260	1,499,811,258	1,235,903,790	82.40%
357	253,220,290	253,220,290	185,508,197	73.26%
358	368,734,329	368,734,329	81,951,072	22.22%
359	200,535,234	200,535,236	182,027,087	90.77%
Total Lines	5,785,964,307	5,785,964,308	4,243,639,605	73.34%
Total Transmission	\$12,536,935,662	\$12,536,935,662	\$8,276,570,295	66.02%

Distribution

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
Land:				
360	\$124,672,241	\$124,672,241	-	0.00%
Structures:				
361	611,762,558	611,762,558	(0)	0.00%
362	2,397,308,356	2,397,308,356	-	0.00%
Total Structures	3,009,070,914	3,009,070,914	(0)	0.00%
Total Distribution	\$3,133,743,155	\$3,133,743,155	(0)	0.00%
Total Transmission & Distribution	\$15,670,678,817	\$15,670,678,817	\$8,276,570,295	52.82%

Southern California Edison Company

Summary of ISO Facility Gross Plant
High/Low Voltage Split
12-31-2016 Facilities
(\$)

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
Transmission Lines:								
1000 kV T Lines	58,527,801	-	58,527,801	-	-	58,527,801	-	-
500 kV T Lines	2,523,100,929	124,075,257	2,399,025,672	124,075,257	-	2,399,025,672	-	-
230 kV T Lines	1,783,979,544	83,161,357	1,700,818,187	83,161,357	-	1,700,818,187	-	-
161 kV T Lines	2,939,891	33,283	2,906,608	-	33,283	-	2,906,608	-
115 kV T Lines	76,767,658	5,220,591	71,547,067	-	5,220,591	-	71,547,067	-
66 kV T Lines	6,906,580	216,289	6,690,291	-	216,289	-	6,690,291	-
55 kV T Lines	4,220,876	96,898	4,123,978	-	96,898	-	4,123,978	-
Total Transmission Lines	4,456,443,279	212,803,674	4,243,639,605	207,236,614	5,567,060	4,158,371,661	85,267,944	-
Substations:								
High Voltage Substations (750 kV, 500kV, 220kV)	3,366,536,505	39,025,671	3,327,510,835	39,025,671	-	3,327,510,835	-	-
Straddle Substations:								
Antelope	211,294,367	21,982	211,272,385	19,420	2,563	176,515,165	23,294,148	11,463,072
Bailey	22,179,503	110,312	22,069,191	85,221	25,091	12,794,532	3,766,987	5,507,672
Eagle Mountain	1,545,124	-	1,545,124	-	-	1,403,402	141,356	366
Kramer	36,935,531	38,032	36,897,498	16,545	21,487	7,699,037	9,999,011	19,199,450
Ivanpah	45,416,477	-	45,416,477	-	-	17,469,466	12,083,749	15,863,262
Victor	94,764,342	19,169	94,745,173	1,456	17,712	5,733,854	69,746,259	19,265,060
Total Straddle Substations	412,135,343	189,495	411,945,848	122,642	66,854	221,615,455	119,031,510	71,298,883
Low Voltage Substations (Less Than 220kV)	41,455,168	153,791	41,301,376.87	-	153,791	-	41,301,377	-
Total Substations	3,820,127,016	39,368,957	3,780,758,060	39,148,312	220,644	3,549,126,290	160,332,887	71,298,883
Total Lines and Substations	8,276,570,295	252,172,630	8,024,397,665	246,384,926	5,787,704	7,707,497,951	245,600,831	71,298,883
Plant Total by Account	8,276,570,295	252,172,630	8,024,397,665	-	-	-	-	-

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	246,384,926	5,787,704	252,172,630
Structures	7,707,497,951	245,600,831	7,953,098,782
Total Determined HV/LV	7,953,882,877	251,388,535	8,205,271,412
Percentage:	96.94%	3.06%	100.00%
Transformers	69,114,467	2,184,415	71,298,883
Total HV & LV Gross Plant	8,022,997,344	253,572,951	8,276,570,295

Southern California Edison Company
Summary of ISO Facility Gross Plant
High/Low Voltage Mix Summary
12-31-2016 Facilities
(\$)

Facility:	Location #	Land HV	Land LV	Structures HV	Structures LV	Transformers HV/LV
220 kV Substations						
Antelope	5052	19,420	2,563	176,515,165	23,294,148	11,463,072
Bailey	5059	85,221	25,091	12,794,532	3,766,987	5,507,672
Eagle Mountain	5040	-	-	1,403,402	141,356	366
Ivanpah	8363	-	-	17,469,466	12,083,749	15,863,262
Kramer	5042 & 8046	16,545	21,487	7,699,037	9,999,011	19,199,450
Victor	8049	1,456	17,712	5,733,854	69,746,259	19,265,060
Total Straddle Stations		122,642	66,854	221,615,455	119,031,510	71,298,883

SOUTHERN CALIFORNIA EDISON COMPANY
Transmission/Distribution ISO Facilities Study
12-31-2016 Facilities

2016 Year-End				2015 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
Land (Substation and Line)									
350	338,945,967	252,172,630	74.4%	328,430,728	241,049,135	73.4%	10,515,239	11,123,496	1.0%
Substation									
352	825,778,508	531,582,611	64.4%	686,827,404	470,458,376	68.5%	138,951,104	61,124,235	-4.1%
353	5,586,246,880	3,249,175,449	58.2%	5,247,711,804	3,030,177,247	57.7%	338,535,076	218,998,202	0.4%
Total Substation	6,412,025,388	3,780,758,060	59.0%	5,934,539,208	3,500,635,623	59.0%	477,486,180	280,122,437	0.0%
Lines									
354	\$2,305,498,227	2,233,991,232	96.9%	2,259,972,826	2,164,622,763	95.8%	45,525,401	69,368,470	1.1%
355	1,158,164,968	324,258,228	28.0%	1,008,567,361	310,678,566	30.8%	149,597,607	13,579,661	-2.8%
356	1,499,811,258	1,235,903,790	82.4%	1,482,107,624	1,239,646,181	83.6%	17,703,634	(3,742,391)	-1.2%
357	253,220,290	185,508,197	73.3%	61,087,061	221,416	0.4%	192,133,229	185,286,780	72.9%
358	368,734,329	81,951,072	22.2%	268,612,322	13,011,928	4.8%	100,122,007	68,939,144	17.4%
359	200,535,236	182,027,087	90.8%	194,018,040	187,087,541	96.4%	6,517,196	(5,060,454)	-5.7%
Total Lines	\$5,785,964,308	\$4,243,639,605	73.3%	5,274,365,234	3,915,268,395	74.2%	511,599,074	328,371,210	-0.9%
Total Transmission	12,536,935,662	8,276,570,295	66.0%	11,537,335,169	7,656,953,152	66.4%	999,600,493	619,617,143	-0.3%
Distribution									
	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total
Land:									
360	124,672,241	-	0.0%	115,272,065	-	0.0%	9,400,176	-	0.0%
Structures:									
361	611,762,558	(0)	0.0%	576,705,979	-	0.0%	35,056,579	(0)	0.0%
362	2,397,308,356	-	0.0%	2,244,270,529	-	0.0%	153,037,827	-	0.0%
Total Structures	3,009,070,914	(0)	0.0%	2,820,976,508	-	0.0%	188,094,406	(0)	0.0%
Total Distribution	3,133,743,155	(0)	0.0%	2,936,248,573	-	0.0%	197,494,582	(0)	0.0%
Total Transmission & Distribution	15,670,678,817	8,276,570,295	52.8%	14,473,583,742	7,656,953,152	52.9%	1,197,095,074	619,617,143	-0.1%

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
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

12-31-2016 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	4,204,593	4,492,348	-	287,755	4,204,593	-	-	-
METRO GOM MAINT	5001	500kV	-	-	37,513,479	37,513,479	-	-	37,513,479	-	-	-
HARBORGEN SUB	5019	220kV	-	18,729	3,991,930	4,010,659	-	18,729	3,991,930	-	-	-
EL SEGUNDO SWITCHCRACK SUB	5026	220kV	12,470	53,016	2,245,793	2,311,279	12,470	53,016	2,245,793	-	-	-
MIDWAY SUB	5032	500kV	-	396,821	190,211	587,032	-	396,821	190,211	-	-	-
PASTORIA SUB	5036	220kV	21,435	1,351,472	13,094,594	14,467,502	21,435	1,351,472	13,094,594	-	-	-
CLWTR SWITCHCRACKS 1,2	5044	115kV	-	-	1,476,690	1,476,690	-	-	1,476,690	-	-	-
MOHAVE SWITCHCRACK	5045	500kV	-	3,933,177	8,410,510	12,343,687	-	3,933,177	8,410,510	-	-	-
RANCHO VISTA SUB	5047	500kV	1,844,367	22,781,953	154,022,156	178,648,476	1,844,367	22,781,953	154,022,156	-	-	-
SYLMAR SUB	5058	1000kV	-	19,757	1,948,141	1,967,898	-	19,757	1,948,141	-	-	-
LUGO SUB	5061	500kV	90,983	21,334,708	145,432,973	166,858,664	90,983	21,334,708	145,432,973	-	-	-
PISGAH SUB	5065	220kV	-	97,920	3,814,081	3,912,001	-	97,920	3,814,081	-	-	-
GENE SUB	5066	220kV	-	30,050	2,165,605	2,195,655	-	-	-	-	30,050	2,165,605
WINDHUB SUB	5079	220kV	1,231,926	31,014,618	215,740,686	247,987,230	1,083,632	27,276,201	189,775,772	148,294	3,738,418	25,964,914
SERRANO SUB	5080	500kV	1,226,475	28,287,711	174,118,569	203,632,755	1,226,475	28,287,711	174,118,569	-	-	-
LEWIS SUB	5089	220kV	1,444	611	5,319,154	5,321,210	1,444	611	5,319,154	-	-	-
EL DORADO SUB(NEVADA)	5090	500kV	13,183	30,481,063	192,240,046	222,734,292	13,183	30,481,063	192,240,046	-	-	-
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	-	2,175,294	45,498,247	47,673,542	-	2,175,294	45,498,247	-	-	-
EAST SERIES CAPACITORS 1	5094	500kV	-	857,212	8,215,857	9,073,069	-	857,212	8,215,857	-	-	-
PALO VERDE SWITCHCRACK SUB	5097	500kV	-	47,541	5,869,146	5,916,687	-	47,541	5,869,146	-	-	-
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	1000kV	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	Div Offices & Misc	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	-	-	-	-	-	-	-	-	-	-
PALO VERDE NUCL GEN PLT-U1	1860	500kV	-	-	2,542,931	2,542,931	-	-	-	-	-	2,542,931
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
PALO VERDE-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	33kV & Below	-	-	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	220kV	-	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	-	7,254	-	-	-	-	7,254	-

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
BISHOP CREEK CANYON	2501	Misc	-	-	697,220	697,220	-	-	-	-	-	697,220
MONO BASIN	2503	115kV	-	-	196,344	196,344	-	-	-	-	-	196,344
Lundy	2560 & 2510	55kV	-	317,627	5,816,896	6,134,523	-	-	-	-	317,627	5,816,896
POOLE	2512	115kV	-	-	120,052	120,052	-	-	-	-	-	120,052
RUSH CREEK	2514	115kV	-	-	175,912	175,912	-	-	-	-	-	175,912
BISHOP CREEK NO.2	2522	55kV	-	-	82,629	82,629	-	-	-	-	-	82,629
BISHOP CREEK NO.3	2523	55kV	-	-	1,841,377	1,841,377	-	-	-	-	-	1,841,377
BISHOP CREEK NO.4	2524	55kV	-	-	117,271	117,271	-	-	-	-	-	117,271
BISHOP CREEK NO.5	2525	55kV	-	-	69,769	69,769	-	-	-	-	-	69,769
BISHOP CREEK NO.6	2526	55kV	-	-	65,066	65,066	-	-	-	-	-	65,066
FISH LAKE VALLEY METERING	2553	55kV	-	1,343	12,150	13,493	-	-	-	-	1,343	12,150
CASA DIABLO	2557	115kV	2,119	290,687	3,537,186	3,829,992	-	-	-	2,119	290,687	3,537,186
LEE VINING	2561	115kV	344	261,722	2,091,192	2,353,258	-	-	-	344	261,722	2,091,192
SHERWIN	2571	115kV	-	100,772	1,071,073	1,171,845	-	-	-	-	100,772	1,071,073
ZACK	2582	55kV	5,433	-	654,725	660,159	-	-	-	5,433	-	654,725
MT. TOM	2598	55kV	-	-	(230)	(230)	-	-	-	-	-	(230)
MINARET	2612	33kV & Below	-	-	25,535	25,535	-	-	-	-	-	25,535
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 SWITCHCRACK 3,4 SUB	5046	220kV	48,136	156,227	3,179,929	3,384,292	-	-	-	48,136	156,227	3,179,929
ORMOND BCH SWITCHCRACK 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	3,040,810	63,154,010	66,208,193	-	-	-	13,373	3,040,810	63,154,010
CAMINO SUB	5068	220kV	-	12,697	3,993,261	4,005,957	-	-	-	-	12,697	3,993,261
VELASCO SUB	5072	220kV	-	-	155,442	155,442	-	-	-	-	-	155,442
HUNTINGTON BCH SWITCHCRCK	5078	220kV	21,660	70,925	4,909,619	5,002,204	-	-	-	21,660	70,925	4,909,619
TRITON SUB	5095	115kV	2,415,092	2,377,249	26,463,679	31,256,020	-	-	-	2,415,092	2,377,249	26,463,679
ALHAMBRA SUB	5101	66kV	-	83,447	3,061,167	3,144,615	-	-	-	-	83,447	3,061,167
BANDINI SUB	5107	66kV	4,583	-	-	4,583	-	-	-	4,583	-	-
BICKNELL SUB	5109	33kV & Below	-	-	2,451	2,451	-	-	-	-	-	2,451
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	-	-	17,332	17,332	-	-	-	-	-	17,332
ROSEMEAD SUB	5141	66kV	-	-	22	22	-	-	-	-	-	22
DUARTE SUB	5150	33kV & Below	-	-	18,514	18,514	-	-	-	-	-	18,514
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
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	-	6,944	-	6,944	-	-	-	-	6,944	-
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	-	-	31,589	31,589	-	-	-	-	-	31,589
DALTON SUB	5188	66kV	-	34,443	-	34,443	-	-	-	-	34,443	-
RAILROAD SUB	5196	66kV	-	-	4,078	4,078	-	-	-	-	-	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	-	14,955	-	14,955	-	-	-	-	14,955	-
LENNOX SUB	5213	66kV	-	25,054	17,794	42,848	-	-	-	-	25,054	17,794
PEARL SUB	5224	33kV & Below	-	14,955	-	14,955	-	-	-	-	14,955	-
WINDSOR HILLS SUB	5235	66kV	-	-	1,820,273	1,820,273	-	-	-	-	-	1,820,273
VALDEZ SUB	5236	66kV	-	-	24,146	24,146	-	-	-	-	-	24,146
LAWNDALE SUB	5238	33kV & Below	-	25,201	-	25,201	-	-	-	-	25,201	-
YUKON SUB	5241	66kV	4,415	-	-	4,415	-	-	-	4,415	-	-
TOPANGA SUB	5243	33kV & Below	-	-	24,158	24,158	-	-	-	-	-	24,158

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
SAWTELLE SUB	5250	66kV	-	25,891	-	25,891	-	-	-	-	25,891	-
BRIDGE SUB	5257	66kV	-	14,957	-	14,957	-	-	-	-	14,957	-
STIRRUP SUB	5259	33kV & Below	-	14,955	-	14,955	-	-	-	-	14,955	-
LATIGO SUB	5272	66kV	-	-	24,475	24,475	-	-	-	-	-	24,475
STANHILL SUB	5273	66kV	-	-	0	0	-	-	-	-	-	0
EARLIMART	5306	66kV	-	-	-	-	-	-	-	-	-	-
HAVILAH SUB	5311	66kV	-	-	6,563	6,563	-	-	-	-	-	6,563
LAUREL SUB	5315	66kV	-	-	10,341,594	10,341,594	-	-	-	-	-	10,341,594
POPLAR SUB	5322	66kV	-	-	-	-	-	-	-	-	-	-
STRATHMORE SUB	5325	66kV	-	-	8,744	8,744	-	-	-	-	-	8,744
WOODVILLE SUB	5333	66kV	-	-	74,641	74,641	-	-	-	-	-	74,641
BOXWOOD SUB	5351	66kV	-	-	-	-	-	-	-	-	-	-
LINE CREEK SUB	5352	33kV & Below	-	-	35,819	35,819	-	-	-	-	-	35,819
KERNVILLE SUB	5356	66kV	-	-	26,153	26,153	-	-	-	-	-	26,153
RIVERWAY SUB	5374	66kV	801,825	-	-	801,825	-	-	-	801,825	-	-
MASCOT SUBSTATION	5375	66kV	573,588	-	-	573,588	-	-	-	573,588	-	-
CANWIND SUB	5405	66kV	-	-	22,765	22,765	-	-	-	-	-	22,765
ENWIND SUB	5406	66kV	-	11,023	23,473	34,496	-	-	-	-	11,023	23,473
MORWIND SUB	5409	66kV	-	-	22,887	22,887	-	-	-	-	-	22,887
DUTCHWIND SUB	5414	66kV	-	11,023	22,925	33,948	-	-	-	-	11,023	22,925
OAKWIND SUB	5415	66kV	-	-	23,315	23,315	-	-	-	-	-	23,315
MIDWIND SUB	5424	66kV	-	-	22,975	22,975	-	-	-	-	-	22,975
CASITAS SUB	5504	66kV	-	-	(251)	(251)	-	-	-	-	-	(251)
CHANNEL ISLANDS SUB	5506	66kV	-	116,483	-	116,483	-	-	-	-	116,483	-
ORTEGA SUB	5507	66kV	-	-	50,261	50,261	-	-	-	-	-	50,261
FILLMORE SUB	5510	66kV	-	5,566	-	5,566	-	-	-	-	5,566	-
OJAI SUB	5526	66kV	-	13,050	-	13,050	-	-	-	-	13,050	-
SANTA BARBARA SUB	5531	66kV	-	40,355	-	40,355	-	-	-	-	40,355	-
CHARMIN SUB	5535	66kV	-	-	27,327	27,327	-	-	-	-	-	27,327
VENTURA SUB	5538	33kV & Below	-	250,672	-	250,672	-	-	-	-	250,672	-
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	-	-	2,070	2,070	-	-	-	-	-	2,070
PLAYA SUB	5565	33kV & Below	-	-	-	-	-	-	-	-	-	-
GAVIOTA SUB	5572	66kV	-	-	118,097	118,097	-	-	-	-	-	118,097
POTRERO SUB	5597	66kV	-	-	23,894	23,894	-	-	-	-	-	23,894
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	-
DECLER SUB	5615	66kV	-	-	23,032	23,032	-	-	-	-	-	23,032
REDLANDS SUB	5629	66kV	-	-	21,359	21,359	-	-	-	-	-	21,359
SAN ANTONIO SUB	5631	66kV	-	-	7,606	7,606	-	-	-	-	-	7,606
YUCAIPA SUB	5636	66kV	-	6,317	-	6,317	-	-	-	-	6,317	-
COLTON CEMENT SUB	5646	66kV	-	20,599	-	20,599	-	-	-	-	20,599	-
AMERON SUB	5652	66kV	-	-	531,131	531,131	-	-	-	-	-	531,131
NOGALES SUB	5655	66kV	-	-	525,170	525,170	-	-	-	-	-	525,170
ARCHIBALD SUB	5659	66kV	-	-	1,613	1,613	-	-	-	-	-	1,613
RUNNING SPRINGS SUB	5661	33kV & Below	-	6,317	-	6,317	-	-	-	-	6,317	-
WIMBLEDON SUB	5664	66kV	-	-	17,343	17,343	-	-	-	-	-	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
FRUITLAND SUB	5718	66kV	-	6,944	-	6,944	-	-	-	-	6,944	-
FREMONT SUB	5720	66kV	-	6,957	-	6,957	-	-	-	-	6,957	-
ATHENS SUBSTATION	5727	33kV & Below	-	-	16,863	16,863	-	-	-	-	-	16,863
NAPLES SUBSTATION	5740	33kV & Below	-	-	114,340	114,340	-	-	-	-	-	114,340
WATSON SUBSTATION	5758	66kV	-	-	3,790	3,790	-	-	-	-	-	3,790
DAVIDSON CITY	5779	33kV & Below	-	6,957	-	6,957	-	-	-	-	6,957	-
HEDDA SUB	5784	33kV & Below	-	-	5,598	5,598	-	-	-	-	-	5,598

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
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	-	-	17,658	17,658	-	-	-	-	-	17,658
VERA SUBSTATION	5801	66kV	-	-	104,130	104,130	-	-	-	-	-	104,130
CHIQUEITA SUBSTATION	5811	66kV	-	-	58,207	58,207	-	-	-	-	-	58,207
CARMENITA SUBSTATION	5814	66kV	-	-	146,427	146,427	-	-	-	-	-	146,427
PARKWOOD SUBSTATION	5816	66kV	-	93,280	-	93,280	-	-	-	-	93,280	-
WAVE SUBSTATION	5828	66kV	-	-	17,259	17,259	-	-	-	-	-	17,259
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	1,585,978	2,008,785	-	-	-	-	422,806	1,585,978
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	-	-	14,802	14,802	-	-	-	-	-	14,802
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	-	-	304,027	304,027	-	-	-	-	-	304,027
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
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	-	-	9,498	9,498	-	-	-	-	-	9,498
CENTRAL ORANGE COUNTY DIS	6029	33kV & Below	-	1,636,095	-	1,636,095	-	-	-	-	1,636,095	-
IMPERIAL COUNTY	7013	115kV	-	-	1,702	1,702	-	-	-	-	-	1,702
ROADWAY(CEP)	8000	115kV	110,643	526,562	9,835,972	10,473,176	24,273	115,520	2,157,862	86,369	411,042	7,678,110
PAUBA(CEP) SUB	8003	115kV	106,825	757,631	8,416,892	9,281,348	-	-	-	106,825	757,631	8,416,892
THORNHILL(CEP) SUB	8004	115kV	25,609	976,480	7,949,936	8,952,024	-	-	-	25,609	976,480	7,949,936
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	-	-	641,041	641,041	-	-	-	-	-	641,041
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	-	-	32,369	32,369	-	-	-	-	-	32,369
APPLE VALLEY(CEP) SUB	8013	115kV	-	1,660,601	9,499,703	11,160,304	-	-	-	-	1,660,601	9,499,703
BUNKER(CEP) SUB	8014	115kV	969,397	1,313,737	14,167,555	16,450,689	-	-	-	969,397	1,313,737	14,167,555
FARREL(CEP) SUB	8016	115kV	-	606,817	11,159,579	11,766,395	-	-	-	-	606,817	11,159,579
CONCHO(CEP) SUB	8017	115kV	285,201	672,863	8,140,483	9,098,548	-	-	-	285,201	672,863	8,140,483
AULD(CEP) SUB	8018	33kV & Below	83,538	1,160,979	16,805,911	18,050,427	-	-	-	83,538	1,160,979	16,805,911
MAXWELL(CEP) SUB	8019	115kV	33,940	486,124	8,660,485	9,180,549	-	-	-	33,940	486,124	8,660,485
SAVAGE(CEP) SUB	8020	115kV	29,280	1,667,888	15,013,428	16,710,596	-	-	-	29,280	1,667,888	15,013,428
PEPPER(CEP) SUB	8021	115kV	17,579	425,103	10,104,015	10,546,696	-	-	-	17,579	425,103	10,104,015
YUCCA(CEP) SUB	8022	66kV	19,474	282,743	12,634,546	12,936,763	-	-	-	19,474	282,743	12,634,546
BLACK MOUNTAIN(CEP) SUB	8023	115kV	-	12,014	912,016	924,029	-	-	-	-	12,014	912,016
ALESSANDRO(CEP) SUB	8024	115kV	45,514	3,176,164	23,002,102	26,223,779	-	-	-	45,514	3,176,164	23,002,102
BAKER(CEP) SUB	8025	115kV	-	93,476	2,915,751	3,009,227	-	-	-	-	93,476	2,915,751
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	11,237,730	13,056,271	-	-	-	22,426	1,796,115	11,237,730
EDWARDS(CEP) SUB	8028	115kV	-	37,679	2,858,143	2,895,823	-	-	-	-	37,679	2,858,143
HI DESERT(CEP) SUB	8029	115kV	1,154,541	1,456,820	19,397,836	22,009,197	-	-	-	1,154,541	1,456,820	19,397,836
MOUNTAIN PASS(CEP) SUB	8030	115kV	70,286	15,922	4,666,352	4,752,561	-	-	-	70,286	15,922	4,666,352
RANDSBURG(CEP) SUB	8031	115kV	116	272,791	5,170,025	5,442,932	-	-	-	116	272,791	5,170,025
ROCKET TEST(CEP) SUB	8032	115kV	-	18,045	279,329	297,374	-	-	-	-	18,045	279,329
SEARLES(CEP) SUB	8033	115kV	-	57,062	3,224,442	3,281,504	-	-	-	-	57,062	3,224,442
ZANJA(CEP) SUB	8035	115kV	152,559	1,597,136	9,039,299	10,788,994	-	-	-	152,559	1,597,136	9,039,299
SANTA ROSA(CEP) SUB	8036	33kV & Below	44,689	354,076	14,538,791	14,937,557	-	-	-	44,689	354,076	14,538,791
NELSON(CEP) SUB	8038	115kV	22,819	712,090	13,772,015	14,506,925	-	-	-	22,819	712,090	13,772,015
HOMART(CEP) SUB	8039	115kV	174,875	725,941	5,459,289	6,360,104	-	-	-	174,875	725,941	5,459,289
HOLGATE(CEP) SUB	8041	115kV	27,167	347,967	2,973,102	3,348,235	-	-	-	27,167	347,967	2,973,102
CALECTRIC SUB (CEP)	8042	115kV	27,870	2,411,669	25,577,396	28,016,935	-	-	-	27,870	2,411,669	25,577,396
GARNET SUB	8044	115kV	38,081	1,587,410	13,491,558	15,117,049	-	-	-	38,081	1,587,410	13,491,558
IID TIE SUB	8045	115kV	39,144	-	23,873	63,017	-	-	-	39,144	-	23,873
TIEFORT SUB	8047	115kV	-	218,704	1,499,638	1,718,342	-	-	-	-	218,704	1,499,638
USBR BLYTHE SUB	8048	161kV	-	64,707	7,786,051	7,850,758	-	-	-	-	64,707	7,786,051

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
SN ONOFRE SWTHRK-100%SCE	8055	220kV	-	3,171,841	8,286,902	11,458,743	-	-	-	-	3,171,841	8,286,902
PUREWATER SUB	8059	115kV	-	137,941	1,357,312	1,495,253	-	-	-	-	137,941	1,357,312
WHIRLWIND SUB	8060	500kV	-	36,061,157	148,941,852	185,003,009	-	36,061,157	148,941,852	-	-	-
SEAWIND T/S	8061	115kV	2,976	463	296,638	300,077	-	-	-	2,976	463	296,638
TIFFANYWIND SUB	8064	115kV	-	-	30,176	30,176	-	-	-	-	-	30,176
NUSED GALE	8067	115kV	-	-	-	-	-	-	-	-	-	-
CARODEAN	8072	115kV	-	2,025,328	14,280,215	16,305,543	-	-	-	-	2,025,328	14,280,215
IVYGLEN SUB	8073	115kV	166,697	1,049,253	8,215,000	9,430,950	-	-	-	166,697	1,049,253	8,215,000
COOL WATER SWITCHCRACK 1,2	8074	220kV	-	69,954	2,543,263	2,613,217	-	-	-	-	69,954	2,543,263
HIGHGROVE SWITCHCRCK	8075	115kV	7,139	178,624	1,794,030	1,979,792	-	-	-	7,139	178,624	1,794,030
SUN CITY(NEW)	8078	115kV	119,513	1,887,934	7,918,116	9,925,562	-	-	-	119,513	1,887,934	7,918,116
AQUEDUCT SUB	8079	115kV	2,880	925,853	10,851,942	11,780,675	-	-	-	2,880	925,853	10,851,942
MENTONE SUB	8082	115kV	161,883	690,370	6,340,627	7,192,880	-	-	-	161,883	690,370	6,340,627
HIGHWIND SUB	8084	220kV	-	6,754,542	4,075,116	10,829,658	-	6,754,542	4,075,116	-	-	-
CAJALCO SUB	8086	115kV	25,836	237,921	9,765,111	10,028,868	-	-	-	25,836	237,921	9,765,111
HESPERIA SUB	8087	115kV	22,150	337,820	4,555,347	4,915,318	-	-	-	22,150	337,820	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	12,721,007	13,102,958	-	-	-	23,090	358,861	12,721,007
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	8,919,395	9,418,775	-	-	-	42,272	457,108	8,919,395
ARROWHEAD SUB	8094	115kV	-	303,669	5,071,975	5,375,644	-	-	-	-	303,669	5,071,975
STETSON SUB	8095	115kV	23,493	718,412	7,946,800	8,688,705	-	-	-	23,493	718,412	7,946,800
MARSCHINO SUB	8096	115kV	27,809	1,611,214	9,280,977	10,920,000	-	-	-	27,809	1,611,214	9,280,977
DUNN SIDING SUB	8097	115kV	4,913	99,723	722,099	826,735	-	-	-	4,913	99,723	722,099
EISENHOWER SUB	8098	115kV	189,886	750,021	12,233,350	13,173,258	-	-	-	189,886	750,021	12,233,350
TAMARISK SUB	8099	115kV	125,967	379,583	12,016,715	12,522,265	-	-	-	125,967	379,583	12,016,715
AMARGO SUB	8102	33kV & Below	-	-	20,739	20,739	-	-	-	-	-	20,739
FARRELL SUB	8104	33kV & Below	-	(142)	-	(142)	-	-	-	-	(142)	-
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	-	-	6,703	6,703	-	-	-	-	-	6,703
MILITARY SUB	8120	33kV & Below	-	15,598	-	15,598	-	-	-	-	15,598	-
CAL CITY SUB	8132	33kV & Below	-	6,894	18,165	25,059	-	-	-	-	6,894	18,165
DOWNS SUB	8137	33kV & Below	82,401	3,667,156	21,420,201	25,169,757	-	-	-	82,401	3,667,156	21,420,201
GLEN IVY SUB	8152	33kV & Below	-	15,642	27,225	42,866	-	-	-	-	15,642	27,225
HELENDALE SUB	8163	33kV & Below	-	15,110	59,658	74,768	-	-	-	-	15,110	59,658
Lakeview	8179	115kV	-	-	-	-	-	-	-	-	-	-
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
MORENO SUB	8193	33kV & Below	104,923	744,336	3,946,432	4,795,692	-	-	-	104,923	744,336	3,946,432
MURRIETA 2 SUB	8195	33kV & Below	-	-	21,911	21,911	-	-	-	-	-	21,911
MURRIETA SUB	8196	33kV & Below	-	-	-	-	-	-	-	-	-	-
SOUTHCAP SUB.	8197	115kV	-	-	933,062	933,062	-	-	-	-	-	933,062
MUSCOY SUB	8198	33kV & Below	-	-	132,416	132,416	-	-	-	-	-	132,416
BELDING SUB	8204	33kV & Below	-	19,232	-	19,232	-	-	-	-	19,232	-
NORTH MUROC SUB	8206	33kV & Below	-	-	26,127	26,127	-	-	-	-	-	26,127
HOLIDAY SUB	8207	33kV & Below	-	11,785	-	11,785	-	-	-	-	11,785	-
OLIVE LAKE SUB	8210	33kV & Below	-	558	-	558	-	-	-	-	558	-
ORO GRANDE SUB	8212	33kV & Below	-	-	-	-	-	-	-	-	-	-
PALM CANYON SUB	8214	33kV & Below	-	30,644	-	30,644	-	-	-	-	30,644	-
LUCERNE SUB	8220	33kV & Below	-	13,167	24,130	37,297	-	-	-	-	13,167	24,130
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	-	-	17,456	17,456	-	-	-	-	-	17,456
RUBIDOUX SUB	8231	33kV & Below	-	6,317	-	6,317	-	-	-	-	6,317	-
SAN JACINTO SUB	8234	33kV & Below	-	-	10,232	10,232	-	-	-	-	-	10,232
TEMESCAL SUB	8250	33kV & Below	-	-	4,236	4,236	-	-	-	-	-	4,236
THUNDERBIRD SUB	8251	33kV & Below	-	-	51,765	51,765	-	-	-	-	-	51,765
TRONA SUB	8252	33kV & Below	-	6,499	24,672	31,171	-	-	-	-	6,499	24,672
VICTORVILLE SUB	8260	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-
WILDE SUB	8267	33kV & Below	-	-	47,409	47,409	-	-	-	-	-	47,409
YERMO SUB	8268	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
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	33kV & Below	-	-	3,714,893	3,714,893	-	-	-	-	-	3,714,893
GOLD HILL SUB	8294	33kV & Below	-	6,894	22,963	29,857	-	-	-	-	6,894	22,963
BUCKWIND	8301	115kV	-	4,640	748,412	753,051	-	-	-	-	4,640	748,412
CAPWIND	8302	115kV	-	29,827	84,270	114,097	-	-	-	-	29,827	84,270
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	790,725	816,091	-	-	-	-	25,366	790,725
VENWIND	8306	115kV	-	21,039	2,287,437	2,308,477	-	-	-	-	21,039	2,287,437
ALTWIND	8308	115kV	-	1,022	48,519	49,541	-	-	-	-	1,022	48,519
TERAWIND	8310	115kV	-	5,398	246,548	251,946	-	-	-	-	5,398	246,548
INDIGO SUBSTATION	8311	115kV	-	4,899	85,092	89,991	-	-	-	-	4,899	85,092
CALGEN	8312	115kV	532	1,600	12,970	15,102	-	-	-	532	1,600	12,970
MCGEN	8314	115kV	-	112,388	2,235,784	2,348,171	-	-	-	-	112,388	2,235,784
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	10,912,815	12,190,264	-	-	-	51,172	1,226,277	10,912,815
ELSINORE	8343	115kV	20,961	1,369,324	11,715,650	13,105,935	-	-	-	20,961	1,369,324	11,715,650
SOUTH BASE SUB	8344	115kV	12,179	143,764	2,016,401	2,172,344	-	-	-	12,179	143,764	2,016,401
INDIAN WELLS SUB	8345	115kV	222,600	871,289	12,871,757	13,965,646	-	-	-	222,600	871,289	12,871,757
PECHANGA SUB	8347	115kV	560,579	844,656	11,243,389	12,648,624	-	-	-	560,579	844,656	11,243,389
MORAGA	8348	115kV	40,720	307,859	17,214,781	17,563,360	-	-	-	40,720	307,859	17,214,781
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	1,089,069	1,094,239	-	-	-	-	5,170	1,089,069
MOUNTWIND SUBSTATION	8359	66kV	-	-	53,668	53,668	-	-	-	-	-	53,668
COSO SUB	8361	115kV	91,113	1,641,131	4,595,949	6,328,192	-	-	-	91,113	1,641,131	4,595,949
MOVAL SUBSTATION	8362	115kV	-	102,465	479,881	582,346	-	-	-	-	102,465	479,881
PRIMM SUBSTATION	8372	220kV	-	505,845	30,608,477	31,114,321	-	505,845	30,608,477	-	-	-
BLAST SUBSTATION	8373	115kV	-	463,086	77,172	540,258	-	-	-	-	463,086	77,172
PHARMACY SUBSTATION	8509	66kV	-	-	43,289	43,289	-	-	-	-	-	43,289
GLOW SUBSTATION	8511	66kV	-	-	(2,713)	(2,713)	-	-	-	-	-	(2,713)
PLASTER SUBSTATION	8558	66kV	4,671	-	-	4,671	-	-	-	4,671	-	-
ONEIL SUBSTATION	8810	66kV	1,188,142	-	-	1,188,142	-	-	-	1,188,142	-	-
MWD EASTSIDE RES	8956	115kV	-	-	26,094	26,094	-	-	-	-	-	26,094
WEST TRANSITION	8960	500kV	-	8,341,930	5,320,201	13,662,131	-	8,341,930	5,320,201	-	-	-
CONSTR FIELD FORCES	9009	Div Offices & Misc	-	-	527,316	527,316	-	-	-	-	-	527,316
TRANS/SUB SUPPORT SERV	9047	Div Offices & Misc	-	-	73,641,512	73,641,512	-	-	-	-	-	73,641,512
GENERAL OFFICE #5 - GO5	9201	Div Offices & Misc	-	-	-	-	-	-	-	-	-	-
PROP SVCS-SN GBRL VAL REG	9285	Div Offices & Misc	-	-	24,885	24,885	-	-	-	-	-	24,885
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	-	-	(717)	(717)	-	-	-	-	-	(717)
PLANT ACCTG-MISC. LEDGER	9900	Div Offices & Misc	631	-	-	631	-	-	-	631	-	-
CUMMINGS SUB	5357	66kV	-	-	96,660	96,660	-	-	-	-	-	96,660
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	-	-	1,386,625	1,386,625	-	-	-	-	-	1,386,625
LITTLE ROCK SUB	5518	66kV	-	-	1,690,353	1,690,353	-	-	-	-	-	1,690,353
SHUTTLE SUB	5522	66kV	-	-	914,670	914,670	-	-	-	-	-	914,670
REDMAN WUB	5530	66kV	-	-	282,763	282,763	-	-	-	-	-	282,763
ANAUVERDE SUB	5539	66kV	-	-	76,359	76,359	-	-	-	-	-	76,359

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2016 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
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	-	-	397,187	397,187	-	-	-	-	-	397,187
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
HELIJET 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	9,187,184	9,451,596	-	135,115	4,684,956	-	129,296	4,502,228
BIG CREEK NO.8	2229	220kV	-	282,649	2,438,028	2,720,677	-	273,154	2,327,324	-	9,495	110,705
BIG CREEK NO.3	2230	220kV	-	2,330,458	17,836,764	20,167,222	-	1,951,347	14,825,646	-	379,111	3,011,117
CONTROL STATION	2556	115kV	-	1,517,997	15,429,537	16,947,534	-	1,269,018	13,286,154	-	248,979	2,143,383
T.M. GOODRICH SUB-PASADEN	5010	220kV	-	-	(40,851)	(40,851)	-	-	(40,851)	-	-	-
EAGLE ROCK SUB	5011	220kV	19,613	3,697,936	36,306,957	40,024,507	3,301	397,407	6,335,198	16,312	3,300,529	29,971,759
MESA SUB	5012	220kV	169,249	10,472,703	47,699,294	58,341,246	54,291	3,390,317	15,269,888	114,958	7,082,385	32,429,406
RIO HONDO SUB	5013	220kV	457,530	5,110,703	85,158,222	90,726,455	141,801	3,240,802	24,735,956	315,729	1,869,901	60,422,267
WALNUT SUB	5014	220kV	97,955	3,966,801	35,818,841	39,883,598	8,395	340,499	3,069,229	89,560	3,626,302	32,749,612
GOULD SUB	5015	220kV	29,300	835,039	32,026,706	32,891,046	10,825	314,470	11,826,181	18,475	520,569	20,200,525
DRYCREEKWIND SUB	5018	220kV	-	(0.01)	0.01	-	-	(0.01)	0.01	-	-	-
LA FRESA SUB	5021	220kV	101,370	5,605,918	63,541,487	69,248,775	22,953	1,269,786	14,386,916	78,417	4,336,132	49,154,571
EL NIDO SUB	5023	220kV	285,620	7,171,849	34,332,639	41,790,108	83,301	2,093,108	9,282,923	202,319	5,078,741	25,049,716
LA CIENEGA SUB	5024	220kV	2,100,227	5,456,795	44,795,048	52,352,069	620,253	1,609,050	13,231,664	1,479,974	3,847,744	31,563,383
ALAMITOS SWITCHRACK SUB	5025	220kV	63,557	743,275	14,044,563	14,851,396	29,353	343,271	6,486,281	34,204	400,004	7,558,282
LG BCH SWITCHRACK SUB	5027	220kV	97,213	1,323,464	8,653,383	10,074,060	33,611	457,582	2,991,867	63,602	865,883	5,661,516
REDONDO SWITCHRACK SUB	5028	220kV	13,018	39,761	5,707,969	5,760,749	9,041	27,612	3,963,916	3,978	12,149	1,744,054
MAGUNDEN SUB	5031	220kV	8,363	3,024,266	16,616,396	19,649,025	7,931	2,868,375	15,729,957	432	155,892	886,438
RECTOR SUB	5033	220kV	394,843	18,154,162	114,335,947	132,884,952	228,330	10,749,104	65,824,684	166,513	7,405,059	48,511,262
SPRINGVILLE SUB	5034	220kV	12,198	1,059,635	27,710,985	28,782,818	4,269	321,019	9,747,303	7,929	738,616	17,963,682
VESTAL SUB	5035	220kV	7,243	1,462,566	29,958,021	31,427,830	3,102	626,303	11,929,919	4,140	836,263	18,028,102
EAGLE MT. SUB	5040	220kV	-	336,742	8,234,075	8,570,817	-	60,707	1,484,417	-	276,035	6,749,658
CIMA SUB	5043	220kV	1,824	17,123	3,276,651	3,295,598	207	1,945	372,293	1,617	15,177	2,904,359
MANDALAY SWITCHRACK 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	3,475,540	34,298,053	38,743,857	864,464	3,097,304	30,557,394	105,799	378,236	3,740,660
ANTELOPE SUB	5052	500kV	21,983	6,974,766	204,299,273	211,296,022	21,982	6,974,659	204,297,726	0	108	1,547
SANTA CLARA SUB	5053	220kV	140,739	4,069,681	51,298,867	55,509,287	36,807	733,434	13,746,849	103,932	3,336,247	37,552,018
GOLETA SUB	5055	220kV	236,194	4,811,548	28,490,717	33,538,459	84,457	1,717,195	10,284,956	151,736	3,094,353	18,205,761
MOORPARK SUB	5056	220kV	184,091	6,472,267	58,344,112	65,000,470	26,381	927,492	8,360,858	157,710	5,544,775	49,983,255
BAILEY SUB	5059	220kV	111,063	895,918	21,323,613	22,330,594	110,312	889,856	21,179,335	751	6,062	144,278
PADUA SUB	5060	220kV	149,547	4,484,571	54,789,873	59,423,991	59,865	1,853,758	21,852,353	89,682	2,630,813	32,937,519
CHINO SUB	5062	220kV	34,465	3,827,787	37,958,377	41,820,628	7,965	866,526	8,790,243	26,500	2,961,261	29,168,134
JULIAN HINDS SUB	5063	220kV	-	1,197,187	23,783,629	24,980,816	-	1,186,802	23,577,332	-	10,384	206,297
VISTA SUB	5064	220kV	52,109	24,697,078	70,086,790	94,835,977	9,679	4,648,821	12,956,067	42,430	20,048,257	57,130,723
DEVERS SUB	5067	500kV	1,371,130	23,077,249	203,705,393	228,153,772	1,152,611	19,394,369	171,245,666	218,519	3,682,880	32,459,727
MIRA LOMA SUB	5069	500kV	474,834	26,615,645	212,348,186	239,438,664	403,742	22,744,425	180,441,941	71,092	3,871,219	31,906,245
HINSON SUB	5071	220kV	678,278	607,062	27,204,347	28,489,686	169,673	149,112	6,806,789	508,604	457,950	20,397,558
LIGHTHIPE SUB	5073	220kV	164,680	14,717,731	37,461,968	52,344,379	49,089	4,387,161	11,166,919	115,591	10,330,569	26,295,050
LAGUNA BELL SUB	5074	220kV	131,263	2,816,113	50,945,746	53,893,122	32,857	705,365	12,832,529	98,405	2,110,748	38,113,217
DEL AMO SUB	5075	220kV	185,982	6,431,128	58,312,109	64,929,219	32,713	967,265	10,424,360	153,269	5,463,863	47,887,749
BARRE SUB	5081	220kV	86,188	3,212,558	58,808,997	62,107,743	28,830	1,067,390	19,821,660	57,358	2,145,168	38,987,337
VILLA PARK SUB	5082	220kV	270,570	6,089,941	41,259,116	47,619,626	95,351	2,510,310	14,196,219	175,219	3,579,631	27,062,897
VIEJO SUBSTATION	5083	220kV	13,285,971	8,621,880	35,045,948	56,953,799	3,216,341	2,087,150	8,484,200	10,069,630	6,534,730	26,561,748
CENTER SUB	5084	220kV	71,802	4,363,563	35,670,774	40,106,139	9,595	468,621	4,881,465	62,206	3,894,942	30,789,309
JOHANNA SUB	5085 & 5881	220kV	813,416	4,543,997	21,977,069	27,334,481	385,875	2,154,799	11,316,727	427,541	2,389,197	10,660,342
ELLIS SUB	5086	220kV	59,737	2,975,260	56,625,255	68,660,253	15,061	759,389	16,535,856	44,677	2,215,871	49,089,399
QUINDA SUB	5087	220kV	390,538	2,052,335	27,882,436	30,325,308	59,967	315,136	4,281,346	330,571	1,737,199	23,601,089
SANTIAGO SUB	5088	220kV	557,976	4,432,169	68,988,425	73,978,570	208,705	1,657,801	25,804,319	349,272	2,774,368	43,184,106
ETIWANDA SWITCHRACK SUB	5096	220kV	186,144	3,969,707	48,349,884	52,505,735	44,881	957,125	11,657,499	141,264	3,012,583	36,692,384
EL CASCO SUBSTATION	8006	220kV	-	30,037,141	53,342,381	83,379,523	-	3,286,906	5,837,153	-	26,750,235	47,505,228
MIRAGE(CEP) SUB	8012	220kV	629,541	4,820,045	52,797,428	58,247,013	278,539	2,147,138	23,345,614	351,001	2,672,906	29,451,814
TORTILLA(CEP) SUB	8037	115kV	17,114	374,927	13,709,755	14,101,795	5,444	141,284	4,339,411	11,669	233,643	9,370,344
VICTOR SUB	8049	220kV	22,088	11,545,305	97,630,282	109,197,675	19,169	10,028,905	84,716,268	2,920	1,516,399	12,914,014
LAKEVIEW SUB	8056	115kV	1,488,305	9,426,198	22,705,892	33,620,395	-	-	-	1,488,305	9,426,198	22,705,892
EASTWIND SUB	8058	220kV	-	-	23,403	23,403	-	-	-	-	-	23,403
CHEVMAIN	8063	220kV	-	362,766	15,329,895	15,692,661	-	85,937	3,631,557	-	276,829	11,698,338

SOUTHERN CALIFORNIA EDISON COMPANY
12-31-2016 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
BADLANDS SUB	8081	115kV	-	21,176	-	21,176	-	-	-	-	21,176	-
Inyokern (CEP) & Inyokern	5041 & 8040	115kV	7,964	198,999	12,728,540	12,935,502	3,022	75,553	4,830,379	4,942	123,445	7,898,161
Kramer & Kramer-Radial Line Agmt	5042 & 8046	220kV	48,811	1,934,158	45,420,666	47,403,635	38,032	1,443,822	35,453,676	10,779	490,336	9,966,990
Vincent	5054 & 8954	500kV	17,324,279	17,865,480	219,407,169	254,596,927	17,324,279	17,865,480	219,407,169	-	-	-
Valley & Valley - CEP	5070 & 8034	500kV	311,358	37,566,309	181,291,310	219,168,977	108,995	12,475,905	75,287,005	202,362	25,090,404	106,004,305
San Onofre Switchrack	8051-8055	220kV	-	-	-	-	-	-	-	-	-	-
San Bernardino-220kv Switchyard & 220kv to	8076 & 1999	220kV	302,392	5,085,392	49,330,174	54,717,959	78,627	1,320,828	12,828,095	223,766	3,764,564	36,502,079
GREENWALD SUB	8339	115kV	-	10,350	8,152	18,502	-	-	-	-	10,350	8,152
IVANPAH SUB	8363	220kV	-	13,891,572	31,524,905	45,416,477	-	13,891,572	31,524,905	-	-	-
NEW VICTOR SUB	8364	115kV	-	-	-	-	-	-	-	-	-	-
RED BLUFF SUB	8369	500kV	-	93,403,281	111,627,933	205,031,214	-	93,403,281	111,627,933	-	-	-
COLORADO RIVER SUB	8367	500kV	-	40,042,608	136,193,899	176,236,507	-	40,042,608	136,193,899	-	-	-
FOGARTY SUB	8346	66kV	-	3,978,829	16,655,245	20,634,074	-	-	-	-	3,978,829	16,655,245
INTERNAL ORDER	NTERNALORDEI	Div Offices & Misc	-	-	-	-	-	-	-	-	-	-
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 CELILO-SYLMR LN	4031	1000kV	-	95,841	-	95,841	-	95,841	-	-	-	-
DWP-EDSN CELILO-SYLMR LN	4034	1000kV	-	541	-	541	-	541	-	-	-	-
PARDEE-SYLMAR LINES 1&2	4045	220kV	187,213	26,421	-	213,633	187,213	106,089	-	-	(79,668)	-
EAGLE ROCK-SYLMAR LNE	4046	220kV	-	-	-	186,657	186,657	-	-	-	-	-
PARDEE-VINCENT LINE CONST	4059	220kV	13,002	-	-	13,002	13,002	-	-	-	-	-
RIO HONDO-VINCENT LN 2	4070	220kV	61,040	-	-	61,040	61,040	-	-	-	-	-
MANY TRANSMISSION LINES	4101	220kV	1,449,844	278,181	98,475	1,826,500	1,409,906	893,193	95,762	39,939	(615,012)	2,713
COGEN/RENEWABLE ENERGY SO	4102	220kV	1,466,128	-	-	1,466,128	831,624	-	-	634,504	-	-
ISO 66KV LINES	4103	66kV	(99)	-	-	(99)	-	-	-	(99)	-	-
ISO 66KV T/L	4703	66kV	-	-	163,655	163,655	-	-	-	-	-	163,655
DEVERS-HINS LN, OTHERS	4104	220kV	1,331,335	-	33,436	1,364,771	1,261,091	77,801	31,672	70,245	(77,801)	1,764
33 AND 66 KV LINES	4105	66kV	31,810,540	1,452,749	1,071,634	34,334,924	216,289	60,548	11,285	31,594,252	1,392,201	1,060,350
S/E DIV., 66KV LINES	4805	66kV	-	118,500	-	118,500	-	-	-	-	118,500	-
COGEN/RENEW ENGY SOURCES	4106	115kV	563,121	-	-	563,121	-	-	-	563,121	-	-
ANTELOPE/MESA LINE, OTHER	4107	220kV	4,267,463	310,268	-	4,577,731	4,267,463	1,127,840	-	-	(817,573)	-
CHINO-SERRANO/SN ONFRE LN	4108	220kV	8,067,991	3,035,777	-	11,103,767	8,067,810	3,376,136	-	181	(340,360)	-
VARIOUS 220KV LINES	4808	220kV	-	340,435	-	340,435	-	-	-	-	340,435	-
COACHELLA VALLEY-DEVERS (SCE PORTION)	4109	220kV	-	-	-	-	-	25,255	-	-	(25,255)	-
COACHELLA VALLEY - DEVERS 220 kV Line	4509	220kV	-	25,255	-	25,255	-	-	-	-	25,255	-
BIG CRK 3-BIG CRK 4	4111	220kV	1,944	-	-	1,944	1,944	-	-	-	-	-
BIGCRK-SPRGVL, MGDN-SPRGV	4113	220kV	793,531	-	-	793,531	874,791	23,986	-	(81,260)	(23,986)	-
ALAMITOS-MESA LN, OTHERS	4114	220kV	3,210,534	533,210	661,182	4,404,926	3,063,711	894,286	630,945	146,824	(361,076)	30,237
HINSON-LIGHTHIPE 1&2	4115	220kV	1,607,024	531,635	2,149	2,140,808	1,607,024	596,925	2,149	-	(65,290)	-
HINSON-LIGHTHIPE 1,2	4415	220kV	-	65,290	-	65,290	-	-	-	-	65,290	-
HINSON-LAFRESA, OTHERS	4116	220kV	3,594,552	162,282	2,065	3,758,900	3,594,552	292,663	2,065	-	(130,380)	-
HINSON-LA FRESA	4416	220kV	-	130,380	-	130,380	-	-	-	-	130,380	-
ELDRDO-CIMA-PISGAH LN1,2	4117	220kV	1,005,237	7,084	12,857	1,025,178	917,785	22,179	11,739	87,452	(15,095)	1,119
MRA LMA-VLL PK LNS, OTHR	4118	220kV	5,612,274	86,461	2,260	5,700,994	5,214,419	659,719	2,100	397,855	(573,259)	160
CENTER-MESA LN, OTHERS	4119	220kV	2,101,337	52,418	101	2,153,856	1,892,471	237,647	91	208,866	(185,229)	10
ALAMITOS-CENTER, OTHERS	4120	220kV	4,271,251	292,991	3,380	4,567,622	3,793,556	447,240	26,643	477,695	(154,248)	(23,263)
ALAMITOS-CENTER....	4420	220kV	-	158,526	-	158,526	-	-	-	-	158,526	-
BIG CREEK 4-SPRNGVLL-MGDN	4121	220kV	281,784	-	-	281,784	353,928	55,314	26,465,697	(72,145)	(55,314)	(26,465,697)
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-...-PRTL	4124	Transmission Line	485	-	-	485	-	-	-	485	-	-
GOLETA-SNTA CLARA, OTHERS	4125	220kV	11,478,276	1,064,843	1,918	12,545,036	8,540,243	879,660	1,427	2,938,032	185,182	491
NORTH BOULDER-MEAD, OTHER	4127	220kV	-	-	-	19,842	-	-	-	-	19,842	-
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	-	-	-	3,146	-	-
BOREL-...-WALKER 66KV LN	4133	66kV	50,020	-	-	50,020	-	-	-	-	50,020	-
LUGO-VICTOR LNS, OTHER	4135	220kV	2,211,409	61	-	2,211,471	1,443,217	84,847	-	768,193	(84,786)	-
LUGO-ELDORADO LN	4136	500kV	1,330,373	-	-	1,330,373	1,330,373	-	-	-	-	-
LUGO-ELDORADO LN	4137	500kV	16,589	-	-	16,589	-	-	-	-	-	-
LUGO-MIRA LOMA 2&3	4138	500kV	9,590,970	360,190	98	9,951,258	9,590,970	1,081,212	98	-	(721,021)	-
SPRGVLL-TULE 66KV LN	4139	66kV	-	-	-	517	-	-	-	517	-	-
MOHAVE-LUGO 500 KV LN	4140	500kV	278,112	-	-	278,112	278,112	7,296	-	-	(7,296)	-
MOHAVE-ELDORADO LN	4141	500kV	76,199	-	-	76,199	-	-	-	-	-	-
BOREL-WELDON 66KV LN	4142	66kV	25,409	-	-	25,409	-	-	-	25,409	-	-
ELDORADO-BORDER 500 KV LN	4143	500kV	6,167	-	-	6,167	6,167	-	-	-	-	-

SOUTHERN CALIFORNIA EDISON COMPANY
12-31-2016 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
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	-	-	(4,349)	-	-
SANTA ANA LNS 1,2,3	4149	33kV & Below	232	-	-	232	-	-	-	232	-	-
VINCENT-PEARBLOSSOM LN	4153	220kV	309,032	-	-	309,032	-	-	-	309,032	-	-
LUGO-VICTORVLL EDSON-DWP	4154	500kV	748,912	-	-	748,912	748,912	51,478	-	-	(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	105,605	18,610	-	1,034,166	-	-
LUCERNE-LUGO/MIRA LOMA LN	4158	500kV	498,252	-	-	498,252	498,252	-	-	-	-	-
BIG CRK 2-BIG CRK 8	4166	220kV	(63,110)	-	-	(63,110)	9,034	-	-	(72,145)	-	-
BIG CRK 3-MAMMOTH POOL	4168	220kV	4,331	-	-	4,331	-	-	-	4,331	-	-
BIG CRK 1-RECTOR, OTHER	4169	220kV	11,790,589	-	2,701	11,793,290	11,262,310	-	2,633	528,278	-	68
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	-	-	(32,102)	-
SERRANO-VALLEY LN	4188	500kV	2,855,109	8,043	-	2,863,153	237,613	-	-	-	(229,570)	-
VALLEY-SERRANO 500 KV LN	4988	500kV	-	221,528	-	221,528	-	-	-	-	221,528	-
SERRANO-VILLA PK LN 1,2,3	4189	220kV	78,248	-	-	78,248	78,248	37,274	-	-	(37,274)	-
VARIOUS 66KV LINES	4200	66kV	-	2,897,606	43	2,897,649	-	-	-	2,897,606	-	43
SSAN JOAQUIN REGION 66KV	4205	66kV	-	-	25,221	25,221	-	-	-	-	-	25,221
E.MAGUNDEN-ANTELOPE 220KV	4207	220kV	-	25,798	-	25,798	-	-	-	-	25,798	-
BIG CREEK 3-SPRNGVL-MGNDN	4213	220kV	-	23,989	-	23,989	-	-	-	-	23,989	-
BIG CREEK 3-MAMMOTH POOL	4268	220kV	-	523,515	-	523,515	-	-	-	-	523,515	-
RECTOR-VESTAL #2 220KV	4269	220kV	-	-	-	-	-	-	-	-	-	-
BIG CREEK4-SPRNGVL-MGNDN	4288	220kV	-	8,042	-	8,042	-	-	-	-	8,042	-
ALL 66KV T/L-COASTAL REGN	4405	66kV	-	56,616	-	56,616	-	-	-	-	56,616	-
EAGLE ROCK-MESA 220 KV LN	4301	220kV	-	288	-	288	-	-	-	-	288	-
ALL 66KV T/L-METRO REGION	4305	66kV	-	4,006,737	-	4,006,737	-	-	-	4,006,737	-	-
ANTELOPE-MESA 220 KV LN	4307	220kV	-	-	-	-	-	-	-	-	-	-
CENTER-MESA 220KV LN	4319	220kV	-	37,768	-	37,768	-	-	-	-	37,768	-
MESA VINCENT No 2 220 Kv LINE	4325	220kV	-	10,731	-	10,731	-	-	-	-	10,731	-
MIRA LOMA-SERRANO# 1&2 500KV	4348	500kV	4,349	-	-	4,349	-	-	-	4,349	-	-
MIRA LOMA - VINCENT 500 KV LINE	4360	500kV	24,535,718	1,325,585	-	25,861,303	25,569,884	1,325,585	-	(1,034,166)	-	-
MESA-REDONDO 220KV LN	4414	220kV	-	275,317	-	275,317	-	-	-	-	275,317	-
CENTER MESA&OLINDA 220KV	4419	220kV	-	82,383	-	82,383	-	-	-	-	82,383	-
DEVERS-HINDS 220KV LNS	4504	220kV	-	82,135	-	82,135	-	-	-	-	82,135	-
33 & 66KV LNES IN ESTRN R	4505	66kV	-	87,069	399,316	486,385	-	-	-	-	87,069	399,316
ISO 115KV T/L	4513	115kV	16,850	-	64,711	81,561	-	-	-	16,850	-	64,711
ETIWANDA-PADUA 220KV LN	4518	220kV	-	591,392	-	591,392	-	-	-	-	591,392	-
MIRA LOMA-WALNUT 220KV LN	4519	220kV	-	91,306	-	91,306	-	-	-	-	91,306	-
LUGO-MIRA LOMA NO. 1&2	4538	500kV	-	721,021	-	721,021	-	-	-	-	721,021	-
DESERT REGION 115KV LINES	4570	115kV	-	55,470	-	55,470	-	-	-	-	55,470	-
DEVERS-VALLEY 500 KV LNS	4587	500kV	-	25,661	-	25,661	-	-	-	-	25,661	-
BAILEY-PARDEE 220 KV LN	4601	220kV	-	640,026	-	640,026	-	-	-	-	640,026	-
33&66KV LNS IN NRTHEN T/S	4605	66kV	-	286,764	-	286,764	-	-	-	-	286,764	-
MOORPARK-PARDEE 200KV LN	4625	220kV	-	117,440	-	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	-	-	-	-	79,668	-
CORONA-JEFFERSON 66 KV LN	4705	66kV	243,215	3,296	-	246,510	96,898	1,118,909	-	146,317	(1,115,613)	-
ANTELOPE-WINDHUB 500KV LN	4708	500kV	16,945,980	-	-	16,945,980	16,945,980	-	-	-	-	-
WINDHUB-HIGHWIND 230KV LN	4709	220kV	3,268,655	-	(1)	3,268,654	3,268,655	-	(1)	-	-	-
WHIRLWIND-WINDHUB 500KV L	4711	500kV	71,262	-	-	71,262	-	-	-	-	-	-
ANTELOPE - VINCENT #2 500KV	4712	500kV	11,885,452	-	-	11,885,452	11,885,452	-	-	-	-	-
LAGUNA-BELL 220KV	4714	220kV	-	128,617	-	128,617	-	-	-	-	128,617	-
CIMA-ELDO-PISGH	4717	220kV	-	13,271	-	13,271	-	-	-	-	13,271	-
COLWTR-KRMR,LUGO-VICTR220	4725	220kV	-	98,264	-	98,264	-	-	-	-	98,264	-
LEE VINING-LUNDY 55K 4771	4730	55kV	10,585	-	-	10,585	-	-	-	10,585	-	-
ELDORADO-IVANPAH NO 1&2 - CA	4733	220kV	-	-	23,924	23,924	-	-	23,924	-	-	-
ELDORADO-IVANPAH NO 1&2 - NV	4734	220kV	352,196	-	-	352,196	352,196	-	-	-	-	-
BISHOP CRK5&115KV LINES	4735	115kV	(11)	-	-	(11)	-	-	-	(11)	-	-
LUGO-MOHAVE 500KV	4740	500kV	-	7,296	-	7,296	-	-	-	-	7,296	-
115 KV LNS, ESTN T/S REG	4750	115kV	16,440,849	23,906	173,059	16,637,815	4,625,941	76,918	66,833	11,814,908	(53,012)	106,227
LUGO-VICTORVILLE 500KV	4754	500kV	-	51,478	-	51,478	-	-	-	-	51,478	-

SOUTHERN CALIFORNIA EDISON COMPANY
12-31-2016 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
DEVERS-SN BRDNO 220 KV LN	4756	220kV	1,079,577	16,401	-	1,095,978	1,080,551	16,416	-	(975)	(15)	-
BLYTHE-EAGLE MT 161 KV LN	4759	161kV	33,310	-	-	33,310	33,283	-	-	27	-	-
CONTROL-MORGAN 55 KV LN	4770	55KV	-	2,805,179	-	2,805,179	-	-	-	-	2,805,179	-
HOOVER-CLWTR 115 KV LN	4781	115kV	1,277	-	-	1,277	1,255	-	-	23	-	-
HOOVER-CLWTR 115 KV LN	4782	115kV	165,196	-	-	165,196	165,979	-	-	(783)	-	-
SERRANO-VILLA PARK 220KV	4889	220kV	-	37,274	-	37,274	-	-	-	-	37,274	-
LUGO-VICTOR 220KV LN	4935	220kV	-	31,685	-	31,685	-	-	-	-	31,685	-
SAN JACINTO REGION 115KV	4950	115kV	-	194,275	-	194,275	-	-	-	-	194,275	-
DEVERS-VALLEY 500KV	4987	500kV	-	6,441	-	6,441	-	-	-	-	6,441	-
BIG CREEK 4-MGNDN 220KV	4221	220kV	-	55,314	26,465,697	26,521,010	-	-	-	-	55,314	26,465,697
ANTELOPE-MAGUNDEN 220KV	4707	220kV	-	806,842	-	806,842	-	-	-	-	806,842	-
ANTELOPE-WHIRLWIND 500KV LN	4710	500kV	15,440,367	-	-	15,440,367	15,440,367	-	-	-	-	-
BARRE 1&2-VILLA PARK 220K	4818	220kV	-	32,203	-	32,203	-	-	-	-	32,203	-
ELLIS-HNGTN BCH#1-4 220KV	4820	220kV	-	52,040	26,618	78,657	-	-	-	-	52,040	26,618
TOTAL TRANSMISSION SUBSTATIONS			\$ 338,783,262	\$ 814,527,178	\$ 5,540,672,660	\$ 6,693,983,100	\$ 252,051,580	\$ 524,342,235	\$ 3,222,667,734	\$ 86,731,682	\$ 290,184,943	\$ 2,318,004,925
Recalc based on all other TS locations												
Allocation % to use							74.40%	64.37%	58.16%	25.60%	35.63%	41.84%
DIV MTCE / OVERHAUL MNGT	1000	66kV	-	-	6,285	6,285	-	-	3,656	-	-	2,630
MOUNTAINVIEW POWER-COMMON	1250	220kV	-	-	23,588,992	23,588,992	-	-	13,720,262	-	-	9,868,729
PALOVERDE-SWITCHYARD	1869	500kV	-	2,465,520	7,901,074	10,366,594	-	1,587,149	4,595,568	-	878,371	3,305,506
PV UNIT 1-INCREMENTAL	1870	500kV	-	-	194,959	194,959	-	-	113,395	-	-	81,563
BIG CREEK NO.2	2212	220kV	-	-	1,516,246	1,516,246	-	-	881,907	-	-	634,339
BIG CREEK NO.2A	2234	220kV	-	-	1,031,434	1,031,434	-	-	599,921	-	-	431,512
MET T/S REGION	4300	66kV	-	131,348	15,463	146,811	-	84,554	8,994	-	46,794	6,469
COASTAL T/S REGION	4400	66kV	3,127	433,988	92,729	529,844	2,327	279,374	53,935	801	154,613	38,794
EASTERN T/S REGION	4500	66kV	-	79,366	868,412	947,778	-	51,091	505,102	-	28,275	363,310
NRTHN T/S REGION	4600	66kV	-	1,987,424	-	1,987,424	-	1,279,380	-	-	708,043	-
EASTERN T/S REG	4700	66kV	33,305	181,044	591,382	805,732	24,778	116,545	343,971	8,526	64,499	247,412
HUMAN EXTERNAL CARGO TRAINING SITE	4799	66kV	-	321,805	-	321,805	-	207,158	-	-	114,647	-
VAR. TRANS. LINES-S/E DIV	4800	66kV	2,931	1,534,075	740,608	2,277,614	2,180	987,543	430,766	750	546,532	309,842
SUBSTN DIV	5000	Misc	-	-	3,270,205	3,270,205	-	-	1,902,077	-	-	1,368,128
NO. T/S REG OFC/VALENCIA	5038	Misc	123,342	3,723,403	-	3,846,745	91,765	2,396,896	-	31,577	1,326,506	-
METRO REGION	5100	33kV & Below	-	-	314,746	314,746	-	-	183,068	-	-	131,678
NEENACH SUB	5556	66kV	-	-	424,900	424,900	-	-	247,138	-	-	177,762
BARSTOW NO RGN-SAN BERDOO	6072	CSTMTR SRVC FAC.	-	7,617	-	7,617	-	4,903	-	-	2,714	-
FRESNO COUNTY	7010	-	-	-	1	1	-	-	1	-	-	0
VENTURA COUNTY	7056	-	-	-	74,798	74,798	-	-	43,505	-	-	31,293
B&A-T/S 3RD FLOOR-GO3	9010	Misc	-	-	823	823	-	-	479	-	-	344
CHINO OFC BLDG (FACILITY)	9024	-	-	373,558	-	373,558	-	240,473	-	-	133,084	-
IRVINE OPER CENTER	9078	Misc	-	8,245	-	8,245	-	5,308	-	-	2,937	-
FUELS	9203	Misc	-	-	341,890	341,890	-	-	198,856	-	-	143,034
INNOVATION VILLAGE 1	9221	-	-	-	1,509,815	1,509,815	-	-	878,166	-	-	631,649
CONTROL SYS SEC-ALHAMBRA	9243	Div Offices & Misc	-	-	2,962,532	2,962,532	-	-	1,723,122	-	-	1,239,410
TELECOMM-ALHAMBRA	9330	-	-	-	107,858	107,858	-	-	62,735	-	-	45,124
CONWAY SUMMIT COMM SITE	9339	-	-	-	14,913	14,913	-	-	8,674	-	-	6,239
INTERNAL ORDER	NTERNALORDER	-	-	-	1,868	1,868	-	-	1,086	-	-	781
CHINO-VILLA PARK 220KV LN	4318	220kV	-	3,937	-	3,937	-	-	-	-	3,937	-
CHINO-VILLA PARK 220KV LN	4318-NU	-	-	-	2,288	2,288	-	-	1,331	-	-	957
Total Locations Reclac'd			\$ 162,705	\$ 11,251,329	\$ 45,574,220	\$ 56,988,254	\$ 121,051	\$ 7,240,375	\$ 26,507,715	\$ 41,654	\$ 4,010,954	\$ 19,066,506

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION	Combined	Identifi	CIRCUIT	TOTAL ACCT.	ACCOUNT NO.										TOTAL	
		MILES			CIRCUIT MILES	350	352	353	354	355	356	357	358	359				
MIDWAY-WHIRLWIND (SCE PORTION)		4155	4155		23.7900													
MIDWAY-VINCENT No. 3		4155	4155		60.2449	60.24	5,828,378	-	-	20,892,322	7,352	7,090,695	-	-	187,772	34,006,518		
MIRA LOMA-SERRANO No. 1 & 2		4148	4148		39.4600	39.46	1,700,240	-	-	21,540,648	-	7,820,475	-	-	252,983	31,314,346		
LUCERNE-LUGO/MIRA LOMA LN		4158	4158				498,252	-	-	-	-	-	-	-	-	498,252		
MIRA LOMA-VINCENT		4360	4360		93.6400	93.64	24,575,272	1,274,023	-	359,889,999	71,600,684	154,897,631	178,079,520	62,259,913	34,439,525	887,016,567		
MIRA LOMA-VINCENT		4360	4360		3.7900	3.79	994,612	51,562	-	14,565,486	2,897,826	6,269,024	7,207,243	2,519,786	1,393,838	35,899,378		
SERRANO-VALLEY		4188	4188		40.8000	40.80	2,855,109	237,613	-	23,572,662	515,653	14,833,343	-	-	2,640,525	44,654,906		
WHIRLWIND-WINDHUB		4711	4711		16.1300	16.13	71,262	-	-	58,253,392	(10,509)	18,727,688	-	-	677	77,042,510		
MIRA LOMA SUBSTATION		5069	5069				Refer Substation	Refer Substation	Refer Substation	-	98,999	-	-	-	-	98,999		
VALLEY SUB		5070	5070				Refer Substation	Refer Substation	Refer Substation	-	-	-	-	-	-	-		
SERRANO SUB		5080	5080				Refer Substation	Refer Substation	Refer Substation	-	-	-	-	-	2,236,590	2,236,590		
EL DORADO SUB		5090	5090				Refer Substation	Refer Substation	Refer Substation	-	-	-	-	-	92,479	92,479		
SYLMAR-PAC INTERTIE		8958	8958				Refer Substation	Refer Substation	Refer Substation	2,505,376	-	359,913	-	-	-	2,865,290		
TOTAL 500kV T/Ls							1,635,2413	1,954.30	124,075,257	2,743,749	43,836	1,360,067,232	119,548,713	603,944,374	185,286,763	65,931,360	64,247,231	2,525,888,515
																		(46,801)
<u>220kV TRANSMISSION LINES</u>																		
ANTELOPE-PARDEE		4644	4644		26.3900	26.39	3,934,890	0	0	85,882,547	7,668,801	39,491,922	0	0	3,941,302	140,919,461		
Built as 500kV energized as 220																		
ALAMITOS-BARRE NO. 1		4120	4120		15.3496	150.09	436,810	51,498	3,068	881,731	90,063	720,389	26	-	3,418	2,187,003		
ALAMITOS-BARRE No. 2		4120	4120		15.3995	150.09	438,230	51,665	3,078	884,598	90,356	722,731	26	-	3,429	2,194,113		
ALAMITOS-CENTER		4120	4120		11.4696	150.09	326,395	38,480	2,292	658,852	67,298	538,292	20	-	2,554	1,634,183		
ALAMITOS-LIGHTHIPE		4120	4120		11.8379	150.09	336,876	39,716	2,366	680,008	69,459	555,577	20	-	2,636	1,686,658		
ANTELOPE-MAGUNDEN No. 1		4107	4107		59.2509	185.66	1,361,907	359,936	-	39,848,374	2,292,213	18,460,278	-	-	25,480,569	87,803,276		
ANTELOPE-MAGUNDEN No. 2		4107	4107		59.2683	185.66	1,362,307	360,042	-	39,860,076	2,292,886	18,465,699	-	-	25,488,052	87,829,061		
BAILEY-PARDEE		4101	4101		26.9003	354.28	110,086	69,741	7,477	1,769,827	131,411	2,399,807	-	-	87,459	4,575,808		
BAILEY-PASTORIA		4101	4101		12.3979	354.28	50,737	32,142	3,446	815,684	60,565	1,106,031	-	-	40,308	2,108,914		
BARRE-DEL AMO		4120	4120		9.7000	150.09	276,037	32,543	1,939	557,200	56,915	455,241	17	-	2,160	1,382,051		
BARRE-ELLIS No. 1		4120	4120		12.7415	150.09	362,590	42,747	2,547	731,912	74,760	597,984	22	-	2,837	1,815,399		
BARRE-ELLIS No. 2		4120	4120		12.7415	150.09	362,590	42,747	2,547	731,912	74,760	597,984	22	-	2,837	1,815,399		
BARRE-ELLIS No. 3		4120	4120		12.7320	150.09	362,320	42,716	2,545	731,368	74,705	597,540	22	-	2,835	1,814,050		
BARRE-ELLIS No. 4		4120	4120		12.7225	150.09	362,051	42,684	2,543	730,824	74,649	597,095	22	-	2,833	1,812,701		
BARRE-LEWIS		4118	4118		5.0154	154.94	177,182	22,417	71	579,592	16,398	460,816	-	-	5,688	1,262,164		
BARRE-VILLA PARK		4118	4118		8.9922	154.94	317,672	40,191	128	1,039,162	29,400	826,206	-	-	10,198	2,262,957		
BIG CREEK 1-BIG CREEK 2		4169	4169		4.4926	372.22	139,461	-	33	171,563	215,627	178,929	-	-	15,121	720,734		

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION			CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.									TOTAL
		NO.	Combined	Ident			350	352	353	354	355	356	357	358	359	
BIG CREEK 1-RECTOR		4169	4169		74.3496	372.22	2,307,986	-	540	2,839,257	3,568,492	2,961,153	-	-	250,250	11,927,676
BIG CREEK 2-BIG CREEK 3		4169	4169		7.4074	372.22	229,943	-	54	282,873	355,526	295,018	-	-	24,932	1,188,346
BIG CREEK 2-BIG CREEK 8		4166	4166		1.7038	9.03	1,705	-	-	30,963	-	25,750	-	-	-	58,418
BIG CREEK 3-BIG CREEK 4		4111	4111		5.7906	5.79	1,944	-	-	133,734	-	284,487	-	-	29,429	449,593
BIG CREEK 3-BIG CREEK 8		4166	4166		7.3234	9.03	7,329	-	-	133,088	-	110,681	-	-	-	251,097
BIG CREEK 3-RECTOR No. 1		4169	4169		64.3300											
BIG CREEK 3-RECTOR No. 2		4169	4169		74.5900											
BIG CREEK 3-RECTOR		4169	4169		138.9200	372.22	4,312,402	-	1,008	5,305,066	6,667,620	5,532,825	-	-	467,584	22,286,505
RECTOR-SPRINGVILLE		4113	4113		47.6700	99.30	420,002	11,516	-	10,718,739	21,831,033	13,479,245	-	-	9,224,176	55,684,710
BIG CREEK 4-SPRINGVILLE		4121	4121		83.5204	135.41	218,296	34,116	16,323,500	1,063,556	127,380	(1,236,207)	-	-	88,630	16,619,271
CENTER-DEL AMO		4120	4120		6.1864	150.09	176,049	20,755	1,236	355,367	36,299	290,341	11	-	1,377	881,435
CENTER-MESA		4119	4119		12.4612	131.30	199,436	25,044	10	2,993,739	8,084	2,542,086	-	-	268,613	6,037,012
CENTER-OLINDA		4119	4119		18.7746	131.30	300,479	37,733	14	4,510,501	12,180	3,830,020	-	-	404,705	9,095,631
CHEVMAIN-EL NIDO		4116	4116 OH	OH	1.2466	90.45	49,023	3,991	28	44,331	154,886	92,537	-	-	185	344,981
CHEVMAIN-EL NIDO		4116	4116 UG	UG	0.4763	0.95	18,731	1,525	11	-	-	-	90,294	268,222	71	378,854
TOTAL CHEVMAIN-EL NIDO					1.7229	91.41	67,754	5,516	39	44,331	154,886	92,537	90,294	268,222	256	723,835
CHEVMAIN-EL SEGUNDO		4116	4116 OH		1.7776	90.45	69,905	5,692	40	63,214	220,861	131,953	-	-	264	491,929
CHINO-MIRA LOMA No.1		4117	4117		9.2967	334.26	27,958	676	358	669,251	137,347	335,879	-	-	4,204	1,175,672
CHINO-MIRA LOMA No. 2		4118	4118		6.6849	154.94	236,161	29,879	95	772,524	21,856	614,211	-	-	7,581	1,682,307
CHINO-MIRA LOMA No. 3		4118	4118		6.7911	154.94	239,913	30,353	97	784,797	22,204	623,968	-	-	7,701	1,709,033
CHINO-SERRANO		4108	4108		24.8393	169.56	1,181,888	494,585	-	2,067,731	227,365	2,072,973	-	-	66,526	6,111,067
CHINO-VIEJO		4108	4108		25.6000	169.56	1,218,083	509,731	-	2,131,055	234,328	2,136,457	-	-	68,563	6,298,217
CIMA-ELDORADO-PISGAH No. 1 - CALIF.		4117	4117		82.4176	334.26	247,855	5,990	3,170	5,933,079	1,217,615	2,977,653	-	-	37,271	10,422,633
CIMA-ELDORADO-PISGAH No. 2 - NEVADA		4127	4127		26.9238	53.95	-	-	-	152,253	230,581	156,310	-	-	-	539,143
TOTAL CIMA-ELDORADO-PISGAH No.1					109.3414	388.22	247,855	5,990	3,170	6,085,332	1,448,196	3,133,963	-	-	37,271	10,961,776
CIMA-ELDORADO-PISGAH No. 2 - CALIF.		4117	4117		82.6810	334.26	248,647	6,009	3,180	5,952,041	1,221,506	2,987,169	-	-	37,390	10,455,943
CIMA-ELDORADO-PISGAH No. 2 - NEVADA		4127	4127		27.0283	53.95	-	-	-	152,843	231,476	156,917	-	-	-	541,236
TOTAL CIMA-ELDORADO-PISGAH No.2					109.7093	388.22	248,647	6,009	3,180	6,104,884	1,452,982	3,144,086	-	-	37,390	10,997,179
COACHELLA VALLEY-DEVERS (SCE PORTION)		4109	4109		0.3826	0.38	-	25,255	-	-	-	467,285	-	-	-	492,540
DEL AMO-HINSON		4115	4115		6.0440	27.07	358,848	133,293	480	803,685	111,220	475,028	-	-	6,122	1,888,675
DEL AMO-HINSON		4120	4120		6.2167	150.09	176,911	20,857	1,242	357,108	36,476	291,763	11	-	1,384	885,752
TOTAL DEL AMO-HINSON					12.2607	177.16	535,759	154,150	1,722	1,160,792	147,697	766,790	11	-	7,506	2,774,428
DEL AMO-LAGUNA BELL		4114	4114		6.9956	129.55	173,362	50,604	35,702	730,732	184,141	532,846	-	-	16,425	1,723,811
DEL AMO-LAGUNA BELL		4120	4120		6.2091	150.09	176,695	20,831	1,241	356,671	36,432	291,406	11	-	1,383	884,669
TOTAL DEL AMO-LAGUNA BELL					13.2047	279.65	350,057	71,435	36,943	1,087,403	220,573	824,252	11	-	17,807	2,608,481
DEVERS-MIRAGE No. 1		4104	4104 OH		15.1600	158.71	127,137	7,844	3,193	1,835,693	1,456,765	3,106,471	-	-	248,382	6,785,486
DEVERS-MIRAGE No. 2		4104	4104 OH		15.1600	158.71	127,137	7,844	3,193	1,835,693	1,456,765	3,106,471	-	-	248,382	6,785,486

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION			CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.									TOTAL
		NO.	Combined	Identifi			350	352	353	354	355	356	357	358	359	
DEVERS-SAN BERNARDINO		4104	4104 OH		43.2000	158.71	362,291	22,351	9,099	5,230,999	4,151,205	8,852,214	-	-	707,790	19,335,949
DEVERS-EL CASCO		4104	4104 OH		2.3289	158.71	19,531	1,205	491	282,004	223,792	477,224	-	-	38,157	1,042,404
DEVERS-EL CASCO		4756	4756		27.3011	120.31	244,987	3,722	-	1,579,167	128,936	1,044,900	-	-	27,068	3,028,781
TOTAL DEVERS-EL CASCO					29.6300	279.02	264,518	4,927	491	1,861,171	352,728	1,522,124	-	-	65,225	4,071,185
EL CASCO-SAN BERNARDINO		4104	4104 OH		1.0902	158.71	9,143	564	230	132,008	104,759	223,392	-	-	17,862	487,956
EL CASCO-SAN BERNARDINO		4756	4756		12.7798	120.31	114,680	1,742	-	739,219	60,356	489,125	-	-	12,671	1,417,793
TOTAL EL CASCO-SAN BERNARDINO					13.8700	279.02	123,823	2,306	230	871,227	165,115	712,516	-	-	30,532	1,905,749
DEVERS-VISTA No. 1		4104	4104 OH		4.9871	158.71	41,824	2,580	1,050	603,878	479,224	1,021,918	-	-	81,709	2,232,183
DEVERS-VISTA No. 1		4756	4756		40.2981	120.31	361,616	5,494	-	2,330,949	190,318	1,542,338	-	-	39,955	4,470,670
TOTAL DEVERS-VISTA No. 1					45.2852	279.02	403,440	8,074	1,050	2,934,827	669,542	2,564,256	-	-	121,663	6,702,853
DEVERS-VISTA No. 2		4104	4104 OH		4.9856	158.71	41,811	2,579	1,050	603,696	479,080	1,021,611	-	-	81,684	2,231,512
DEVERS-VISTA No. 2		4756	4756		40.0364	120.31	359,268	5,458	-	2,315,812	189,082	1,532,322	-	-	39,695	4,441,637
TOTAL DEVERS-VISTA No. 2					45.0220	279.02	401,079	8,038	1,050	2,919,508	668,162	2,553,933	-	-	121,379	6,673,149
EAGLE ROCK-MESA		4101	4101		2.5350	354.28	10,374	6,572	705	166,783	12,384	226,150	-	-	8,242	431,210
EAGLE ROCK-MESA		4114	4114		22.0610	129.55	546,707	159,582	112,590	2,304,401	580,698	1,680,358	-	-	51,796	5,436,131
TOTAL EAGLE ROCK-MESA					24.5960	483.83	557,081	166,154	113,294	2,471,184	593,082	1,906,508	-	-	60,038	5,867,341
EAGLE ROCK-PARDEE		4101	4101		46.6608	354.28	190,953	120,971	12,970	3,069,912	227,943	4,162,664	-	-	151,705	7,937,118
EAGLE ROCK-PARDEE		4114	4114		4.6021	129.55	114,047	33,290	23,487	480,716	121,138	350,536	-	-	10,805	1,134,020
TOTAL EAGLE ROCK-PARDEE					51.2629	483.83	305,000	154,261	36,457	3,550,629	349,081	4,513,200	-	-	162,510	9,071,138
EAGLE ROCK-SYLMAR		4046	4046		1.7900	1.79	186,657	-	-	214,409	-	62,108	-	-	-	463,174
EAGLE ROCK-SYLMAR		4101	4101		23.6785	354.28	96,901	61,388	6,582	1,557,858	115,672	2,112,386	-	-	76,984	4,027,772
TOTAL EAGLE ROCK-SYLMAR					25.4685	356.07	283,558	61,388	6,582	1,772,267	115,672	2,174,495	-	-	76,984	4,490,946
EL NIDO-EL SEGUNDO		4116	4116 OH	OH	2.9001	90.45	114,048	9,286	66	103,131	360,329	215,278	-	-	430	802,567
EL NIDO-EL SEGUNDO		4116	4116 UG	UG	0.4763	0.95	18,731	1,525	11	-	-	-	90,294	268,222	71	378,854
TOTAL EL NIDO-EL SEGUNDO					3.3764	91.41	132,778	10,811	76	103,131	360,329	215,278	90,294	268,222	501	1,181,421
EL NIDO-LA CIENEGA		4116	4116 OH		8.7009	90.45	342,167	27,859	197	309,416	1,081,061	645,879	-	-	1,291	2,407,868
EL NIDO-LA FRESA No. 3		4116	4116 OH		3.8702	90.45	152,197	12,392	87	137,630	480,861	287,290	-	-	574	1,071,031
EL NIDO-LA FRESA No. 4		4116	4116 OH		3.9963	90.45	157,156	12,795	90	142,114	496,528	296,650	-	-	593	1,105,927
EL DORADO-IVANPAH No.1 - CALIF.		4733	4733		5.1600	10.32	-	-	11,962	12,641,358	-	10,290,832	-	-	-	22,944,152
EL DORADO-IVANPAH No.2 - CALIF.		4733	4733		5.1600	10.32	-	-	11,962	12,641,358	-	10,290,832	-	-	-	22,944,152
EL DORADO-IVANPAH No.1 - NEVADA		4734	4734		29.2400	58.48	176,098	-	-	24,605,801	302,038	82,214,193	-	-	1,090,756	108,388,887
ELDORADO-IVANPAH No.2 - NEVADA		4734	4734		29.2400	58.48	176,098	-	-	24,605,801	302,038	82,214,193	-	-	1,090,756	108,388,887
TOTAL EL DORADO-IVANPAH					68.8000	68.80	352,196	-	23,924	74,494,318	604,077	185,010,051	-	-	2,181,511	262,666,077
ELDORADO-MEAD No. 1		4144	4144		15.2908	30.64	4,988	-	-	236,417	178,779	214,227	-	-	511	634,923
ELDORADO-MEAD No. 2		4144	4144		15.3451	30.64	5,006	-	-	237,257	179,414	214,988	-	-	513	637,177
ELDORADO-MERCHANT No. 1		4102	4102		0.3028	8.43	52,689	-	-	104,672	19,624	76,874	-	-	-	253,859
ELDORADO-MERCHANT No. 2		4102	4102		0.3098	8.43	53,909	-	-	107,094	20,078	78,653	-	-	-	259,733
ELLIS-JOHANNA		4156	4156		6.3964	29.49	2,606,839	-	-	490,731	1,404,683	644,417	-	-	8,298	5,154,969
ELLIS-SANTIAGO		4156	4156		14.7556	29.49	6,013,613	-	-	1,132,048	3,240,408	1,486,580	-	-	19,143	11,891,791
ETIWANDA-RANCHO VISTA No1		4119	4119		0.4581											
MIRA LOMA-RANCHO VISTA No.1 & 2		4118	4118		13.7800											
ETIWANDA-MIRA LOMA		4119	4119		14.2381	131.30	227,874	28,615	11	3,420,630	9,237	2,904,574	-	-	306,916	6,897,857
ETIWANDA-RANCHO VISTA No2		4118	4118		0.4572											
PADUA-RANCHO VISTA No.1 & 2		4117	4117		29.0800											
ETIWANDA-PADUA		4118	4118		29.5372	154.94	1,043,477	132,019	420	3,413,394	96,572	2,713,887	-	-	33,496	7,433,265

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION NO.	Combined	Identi	CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.									TOTAL
							350	352	353	354	355	356	357	358	359	
ETIWANDA-SAN BERNARDINO		4104	4104 OH		8.3015	158.71	69,619	4,295	1,748	1,005,212	797,714	1,701,080	-	-	136,012	3,715,680
ETIWANDA-SAN BERNARDINO		4118	4118		25.5295	154.94	901,894	114,106	363	2,950,254	83,469	2,345,658	-	-	28,952	6,424,697
TOTAL ETIWANDA-SAN BERNARDINO					33.8310	313.65	971,514	118,401	2,112	3,955,466	881,183	4,046,738	-	-	164,964	10,140,377
ETIWANDA-VISTA		4118	4118		15.3224	154.94	541,303	68,485	218	1,770,696	50,097	1,407,827	-	-	17,376	3,856,001
GOLETA-SANTA CLARA No. 1		4125	4125		49.3959	414.75	1,367,049	140,808	228	3,718,091	239,378	1,701,687	-	-	212,134	7,379,377
GOLETA-SANTA CLARA No. 2		4125	4125		49.3932	414.75	1,366,974	140,801	228	3,717,888	239,365	1,701,594	-	-	212,123	7,378,973
GOODRICH-GOULD		4114	4114		8.6743	129.55	214,963	62,747	44,270	906,082	228,328	660,710	-	-	20,366	2,137,466
GOODRICH-LAGUNA BELL		4114	4114		13.9123	129.55	344,769	100,637	71,002	1,453,222	366,205	1,059,682	-	-	32,664	3,428,181
GOULD-SYLMAR		4101	4101		27.4202	354.28	112,213	71,089	7,622	1,804,033	133,950	2,446,188	-	-	89,149	4,664,244
HARBORGEN-HINSON		4102	4102		3.0157	8.43	524,683	-	-	1,042,323	195,417	765,511	-	-	-	2,527,935
HARBORGEN-LONG BEACH		4102	4102		1.1515	8.43	200,342	-	-	397,995	74,617	292,299	-	-	-	965,254
HINSON-LA FRESA		4115	4115		5.2326	27.07	310,673	115,399	415	695,791	96,289	411,256	-	-	5,300	1,635,123
HINSON-LA FRESA		4116	4116 OH		8.8286	90.45	347,188	28,268	199	313,957	1,096,927	655,358	-	-	1,310	2,443,207
TOTAL HINSON-LA FRESA					14.0612	117.52	657,861	143,666	615	1,009,748	1,193,216	1,066,614	-	-	6,610	4,078,330
HIGHWIND-WINDHUB		4709	4709		9.6000	9.60	3,268,655	-	(1)	33,257,811	-	11,898,019	-	15,096,949	-	63,521,433
HINSON-LIGHTHIPE		4115	4115		6.3531	27.07	377,200	140,110	504	844,786	116,908	499,321	-	-	6,435	1,985,265
HOOVER-MEAD No. 2 (No. Boulder-Mead)		4127	4127		0.0000	31.14	-	-	-	-	-	-	-	-	-	-
HOOVER-MEAD No. 3 (So. Boulder-Mead)		4127	4127		0.0000	31.14	-	-	-	-	-	-	-	-	-	-
JOHANNA-SANTIAGO		4156	4156		8.3410	29.49	3,399,356	-	-	639,921	1,831,728	840,329	-	-	10,821	6,722,155
JULIAN HINDS-MIRAGE		4104	4104 OH		46.8175	158.71	392,629	24,223	9,861	5,669,035	4,498,820	9,593,484	-	-	767,060	20,955,110
KRAMER-LUGO No. 1		4135	4135		47.8634	206.15	414,072	24,343	-	1,932,034	270,196	1,415,886	-	-	22,760	4,079,292
KRAMER-LUGO No. 2		4135	4135		47.8559	206.15	414,007	24,340	-	1,931,731	270,154	1,415,664	-	-	22,757	4,078,653
LA CIENEGA-LA FRESA		4116	4116 OH		11.8874	90.45	467,477	38,061	269	422,732	1,476,974	882,417	-	-	1,763	3,289,693
LA FRESA-LAGUNA BELL		4114	4114		7.0995	129.55	175,937	51,355	36,233	741,585	186,876	540,760	-	-	16,669	1,749,414
LA FRESA-LAGUNA BELL		4116	4116 OH		9.7578	90.45	383,730	31,243	220	347,001	1,212,378	724,334	-	-	1,447	2,700,352
TOTAL LA FRESA-LAGUNA BELL					16.8573	220.01	559,667	82,598	36,453	1,088,585	1,399,253	1,265,093	-	-	18,116	4,449,766
LA FRESA-REDONDO No. 1		4116	4116 OH		4.5290	90.45	178,105	14,501	102	161,057	562,715	336,193	-	-	672	1,253,345
LA FRESA-REDONDO No. 2		4116	4116 OH		4.5295	90.45	178,125	14,503	102	161,075	562,777	336,231	-	-	672	1,253,484
LAGUNA BELL-RIO HONDO		4114	4114		16.0436	129.55	397,586	116,054	81,879	1,675,848	422,306	1,222,020	-	-	37,668	3,953,362
LAGUNA BELL-VELASCO		4114	4114		2.4922	129.55	61,761	18,028	12,719	260,325	65,601	189,828	-	-	5,851	614,112
LEWIS-SERRANO No.1		4118	4118		7.3176	154.94	258,513	32,707	104	845,641	23,925	672,343	-	-	8,298	1,841,531
LEWIS-SERRANO No. 2		4118	4118		7.2975	154.94	257,803	32,617	104	843,318	23,859	670,496	-	-	8,276	1,836,472
LEWIS-VILLA PARK		4118	4118		4.0154	154.94	141,854	17,947	57	464,030	13,128	368,936	-	-	4,554	1,010,507
LIGHTHIPE-LONG BEACH		4115	4115		9.4371	27.07	560,304	208,124	749	1,254,873	173,659	741,708	-	-	9,559	2,948,977
LIGHTHIPE-MESA		4114	4114		12.1787	129.55	301,808	88,097	62,155	1,272,137	320,572	927,636	-	-	28,594	3,000,998

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION			CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.									TOTAL
		NO.	Combined	Identifi			350	352	353	354	355	356	357	358	359	
LIGHTHIPE-REDONDO		4116	4116 OH		14.2136	90.45	558,956	45,509	321	505,455	1,765,997	1,055,093	-	-	2,108	3,933,440
LUGO-PISGAH No. 1		4117	4117		65.6600	334.26	197,460	4,772	2,526	4,726,733	970,043	2,372,220	-	-	29,693	8,303,446
LUGO-PISGAH No. 2		4117	4117		65.1296	334.26	195,865	4,733	2,505	4,688,550	962,207	2,353,058	-	-	29,453	8,236,371
LUGO-VICTOR No. 1		4135	4135		10.8441	206.15	93,814	5,515	-	437,728	61,217	320,788	-	-	5,157	924,219
LUGO-VICTOR No. 2		4135	4135		10.8550	206.15	93,908	5,521	-	438,168	61,278	321,111	-	-	5,162	925,148
MAGUNDEN-PASTORIA No. 1		4101	4101		29.8591	354.28	122,194	77,412	8,300	1,964,493	145,865	2,663,765	-	-	97,079	5,079,107
MAGUNDEN-PASTORIA No. 2		4101	4101		29.8591	354.28	122,194	77,412	8,300	1,964,493	145,865	2,663,765	-	-	97,079	5,079,107
MAGUNDEN-PASTORIA No. 3		4101	4101		29.8727	354.28	122,250	77,447	8,303	1,965,388	145,931	2,664,978	-	-	97,123	5,081,420
MAGUNDEN-SPRINGVILLE No. 1		4113	4113		51.6183	99.30	454,789	12,470	-	11,606,525	23,639,203	14,595,673	-	-	9,988,174	60,296,834
MAGUNDEN-SPRINGVILLE No. 2		4121	4121		51.8933	135.41	135,633	21,197	10,142,196	660,814	79,144	(768,086)	-	-	55,068	10,325,966
MAGUNDEN-VESTAL No. 1		4169	4169		35.6115	372.22	1,105,464	-	258	1,359,929	1,709,213	1,418,314	-	-	119,863	5,713,042
MAGUNDEN-VESTAL No. 2		4169	4169		35.6164	372.22	1,105,616	-	258	1,360,116	1,709,449	1,418,509	-	-	119,880	5,713,829
MESA-REDONDO		4114	4114		12.0899	129.55	299,607	87,454	61,702	1,262,861	318,235	920,872	-	-	28,385	2,979,116
MESA-REDONDO		4116	4116 OH		14.2151	90.45	559,015	45,514	321	505,508	1,766,184	1,055,205	-	-	2,108	3,933,855
TOTAL MESA-REDONDO					26.3050	220.01	858,622	132,968	62,023	1,768,369	2,084,419	1,976,077	-	-	30,494	6,912,972
MESA-RIO HONDO		4107	4107		10.9291 0.1602	185.66	251,210	66,392	-	7,350,215	422,809	3,405,083	-	-	4,700,008	16,195,717
MESA-VINCENT		4107	4107		18.8137	185.66	432,441	114,289	-	12,652,894	727,837	5,861,618	-	-	8,090,743	27,879,821
MESA-VINCENT		4114	4114		17.4792	129.55	433,163	126,439	89,206	1,825,805	460,094	1,331,368	-	-	41,039	4,307,113
TOTAL MESA-VINCENT					36.2929	315.21	865,603	240,728	89,206	14,478,699	1,187,931	7,192,986	-	-	8,131,781	32,186,934
MESA-WALNUT		4119	4119		13.7337	131.30	219,802	27,602	11	3,299,451	8,910	2,801,676	-	-	296,043	6,653,493
MIRA LOMA-OLINDA		4119	4119		24.9716	131.30	399,659	50,187	19	5,999,299	16,200	5,094,208	-	-	538,287	12,097,859
MIRA LOMA-VISTA No. 1		4118	4118		15.6296	154.94	552,155	69,858	222	1,806,197	51,101	1,436,052	-	-	17,725	3,933,310
MIRA LOMA-VISTA No. 2		4118	4118		15.4693	154.94	546,492	69,141	220	1,787,672	50,577	1,421,324	-	-	17,543	3,892,969
MIRA LOMA-WALNUT		4119	4119		27.6524	131.30	442,564	55,575	21	6,643,347	17,939	5,641,092	-	-	596,074	13,396,612
MIRAGE-RAMON (SCE PORTION)		4104	4104 OH		0.0563	158.71	472	29	12	6,811	5,405	11,526	-	-	922	25,177
MOORPARK-PARDEE No. 1		4125	4125		25.9572	414.75	718,375	73,994	120	1,953,831	125,792	894,224	-	-	111,475	3,877,811
MOORPARK-PARDEE No. 2		4125	4125		25.9909	414.75	719,307	74,090	120	1,956,368	125,955	895,385	-	-	111,620	3,882,845
MOORPARK-PARDEE No. 3		4125	4125		25.9958	414.75	719,443	74,104	120	1,956,736	125,979	895,554	-	-	111,641	3,883,577
MOORPARK-SANTA CLARA No. 1		4125	4125		25.5692	414.75	707,637	72,888	118	1,924,626	123,911	880,858	-	-	109,809	3,819,847
MOORPARK-SANTA CLARA No. 2		4125	4125		25.6882	414.75	710,930	73,227	119	1,933,583	124,488	884,957	-	-	110,320	3,837,624
OLINDA-WALNUT		4119	4119		6.4143	131.30	102,658	12,891	5	1,541,003	4,161	1,308,518	-	-	138,266	3,107,502
PARDEE-PASTORIA		4101	4101		38.7677	354.28	158,651	100,508	10,776	2,550,609	189,384	3,458,512	-	-	126,043	6,594,482
PARDEE-PASTORIA-WARNE		4101	4101	*	38.4602	354.28	157,393	99,711	10,690	2,530,377	187,882	3,431,079	-	-	125,043	6,542,175
PARDEE-SANTA CLARA		4125	4125		40.3103	414.75	1,115,602	114,909	186	3,034,207	195,348	1,388,688	-	-	173,116	6,022,056

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.										TOTAL	
		NO.	Combined			Identified	350	352	353	354	355	356	357	358	359		
PARDEE-SYLMAR No. 1		4045	4045	6.4972	13.00	93,593	53,037	-	350,752	-	226,563	-	-	-	19,000	742,945	
PARDEE-SYLMAR No. 1		4101	4101	4.9856	354.28	20,403	12,925	1,386	328,013	24,355	444,771	-	-	-	16,209	848,063	
TOTAL PARDEE-SYLMAR No. 1				11.4828	367.28	113,996	65,962	1,386	678,765	24,355	671,334	-	-	-	35,209	1,591,008	
PARDEE-SYLMAR No. 2		4045	4045	6.4991	13.00	93,620	53,052	-	350,855	-	226,629	-	-	-	19,006	743,162	
PARDEE-SYLMAR No. 2		4101	4101	4.9902	354.28	20,422	12,937	1,387	328,316	24,378	445,182	-	-	-	16,224	848,845	
TOTAL PARDEE-SYLMAR No. 2				11.4893	367.28	114,042	65,990	1,387	679,171	24,378	671,811	-	-	-	35,230	1,592,007	
PARDEE-VINCENT		4051	4051	3.9228	7.35	-	-	-	168,754	-	109,288	-	-	-	77,517	355,559	
PARDEE-VINCENT (IDLE)		4051	4051	3.4311	7.35	-	-	-	147,602	-	95,589	-	-	-	67,801	310,992	
PARDEE-VINCENT		4101	4101	27.9975	354.28	114,576	72,585	7,782	1,842,014	136,770	2,497,689	-	-	-	91,026	4,762,444	
PARDEE-VINCENT (IDLE)		4101	4101	0.1364	354.28	558	354	38	8,974	666	12,168	-	-	-	443	23,202	
TOTAL PARDEE-VINCENT				35.4878	361.63	115,134	72,939	7,820	2,167,345	137,437	2,714,735	-	-	-	236,787	5,452,197	
RECTOR-VESTAL No. 1		4169	4169	33.2042	372.22	1,030,736	-	241	1,267,999	1,593,672	1,322,438	-	-	-	111,760	5,326,847	
RECTOR-VESTAL No. 2		4169	4169	33.2031	372.22	1,030,702	-	241	1,267,957	1,593,620	1,322,394	-	-	-	111,757	5,326,670	
RIO HONDO-VINCENT No. 1		4107	4107	32.3628	185.66	743,872	196,597	-	21,765,154	1,252,005	10,082,991	-	-	-	13,917,469	47,958,088	
RIO HONDO-VINCENT No. 2		4070	4070	4.4240	4.42	61,040	-	-	344,764	-	232,146	-	-	-	11,892	649,842	
RIO HONDO-VINCENT No. 2		4107	4107	5.0348	185.66	115,727	30,585	-	3,386,085	194,779	1,568,648	-	-	-	2,165,192	7,461,016	
RIO HONDO-VINCENT No. 2		4157	4157	48.1822	48.18	105,605	18,610	-	279,715,004	17,020,438	65,025,306	-	-	-	547,507	362,432,471	
TOTAL RIO HONDO-VINCENT No. 2				57.6410	238.27	282,373	49,196	-	283,445,854	17,215,217	66,826,099	-	-	-	2,724,591	370,543,329	
SAN BERNARDINO-VISTA		4104	4104 OH	8.2454	158.71	69,149	4,266	1,737	998,419	792,323	1,689,584	-	-	-	135,093	3,690,570	
SAN BERNARDINO-VISTA (IDLE)		4104	4104 UG	0.0415	0.04	348	21	9	-	-	-	1,480	260,160	680	262,698		
TOTAL SAN BERNARDINO-VISTA				8.2869	158.75	69,497	4,288	1,745	998,419	792,323	1,689,584	1,480	260,160	135,773	3,953,268		
SAN ONOFRE-SANTIAGO No. 1		4108	4108	28.3606	169.56	1,349,436	564,698	-	2,360,859	259,597	2,366,844	-	-	-	75,957	6,977,391	
SAN ONOFRE-SANTIAGO No. 2		4108	4108	28.3580	169.56	1,349,312	564,647	-	2,360,643	259,573	2,366,627	-	-	-	75,950	6,976,752	
SAN ONOFRE-SERRANO		4108	4108	40.3503	169.56	1,919,922	803,430	-	3,358,933	369,344	3,367,449	-	-	-	108,068	9,927,147	
SAN ONOFRE-VIEJO		4108	4108	22.0500	169.56	1,049,169	439,046	-	1,835,537	201,833	1,840,191	-	-	-	59,056	5,424,832	
SANTA CLARA-VINCENT		4059	4059	2.7390	2.74	13,002	-	-	966,737	-	202,343	-	-	-	20,953	1,203,034	
SANTA CLARA-VINCENT		4125	4125	40.2859	414.75	1,114,927	114,839	186	3,032,370	195,230	1,387,848	-	-	-	173,011	6,018,411	
SANTA CLARA-VINCENT		4147	4147	29.6943	29.69	3,884,037	-	1,880	2,765,700	-	15,576,370	-	-	-	145,187	22,373,174	
TOTAL SANTA CLARA-VINCENT				72.7192	447.18	5,011,966	114,839	2,066	6,764,807	195,230	17,166,560	-	-	-	339,150	29,594,620	
SERRANO-VILLA PARK No. 1		4189	4189	3.2422	6.50	39,045	18,599	-	759,195	-	697,163	-	-	-	-	1,514,003	
SERRANO-VILLA PARK No. 2		4189	4189	3.2553	6.50	39,203	18,674	-	762,263	-	699,980	-	-	-	-	1,520,120	
GOULD SUBSTATION		5015	5015			Refer Substation	Refer Substation	Refer Substation	-	-	-	-	-	-	1,418	1,418	
SANTA CLARA SUBSTATION		5053	5053			Refer Substation	Refer Substation	Refer Substation	-	-	-	-	-	-	6,071	6,071	
VIEJO SUBSTATION		5083	5083			Refer Substation	Refer Substation	Refer Substation	-	-	-	2	-	-	-	2	
TOTAL 220kV T/Ls						3,293,1686	26,900.63	83,161,357	9,847,954	27,298,724	832,678,651	144,421,460	591,361,452	182,298	15,893,554	116,280,771	1,821,126,223
161kV TRANSMISSION LINES																	
EAGLE MOUNTAIN-BLYTHE		4759	4759	53.0211	53.06	33,283	0	0	0	2,570,776	330,991	0	0	0	4,841	2,939,891	
TOTAL 161kV T/Ls						53.0211	53.06	33,283	0	0	0	2,570,776	330,991	0	0	4,841	2,939,891

ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2016

CIRCUIT NAME	OPERATING VOLTAGE	LOCATION			CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.										TOTAL
		NO.	Combined	Identi			350	352	353	354	355	356	357	358	359		
115kv TRANSMISSION LINES																	
CONTROL-HAIWEE-INYOKERN		4750	4750 OH	*	125.6203	1,623.69	1,250,551	20,794	18,067	333,188	12,857,266	4,110,137	0	0	140,157	18,730,159	
CONTROL-COSO-HAIWEE-INYOKERN		4750	4750 OH	*	125.6165	1,623.69	1,250,513	20,793	18,067	333,178	12,856,875	4,110,013	-	-	140,152	18,729,591	
CONTROL-INYO (DWP)		4750	4750 OH		2.8670	1,623.69	28,541	475	412	7,604	293,443	93,806	-	-	3,199	427,480	
COOLWATER-SEGS 2-TORTILLA		4750	4750 OH	*	11.2649	1,623.69	112,142	1,865	1,620	29,878	1,152,967	368,574	-	-	12,568	1,679,615	
IVANPAH-BAKER-COOLWATER-DUNN SIDING-MOUNTAIN P		4781	4781	*	20.6228	21.00	1,255	-	-	96,551	42,433	93,272	-	-	1,352	234,863	
IVANPAH-BAKER-COOLWATER-DUNN SIDING-MOUNTAIN P		4782	4782	*	73.0869	72.74	165,979	-	-	329,348	1,724,688	815,215	-	-	21,772	3,057,002	
TOTAL ELDO-BAK-CLWTR-DUNN-MT.PASS					93.7097	93.74	167,234	-	-	425,899	1,767,121	908,487	-	-	23,124	3,291,865	
KRAMER-COOL WATER		4750	4750 OH		44.3188	1,623.69	441,194	7,336	6,374	117,549	4,536,038	1,450,055	-	-	49,447	6,607,992	
KRAMER-INYOKERN-RANDBURG No. 1		4750	4750 OH	*	47.8841	1,623.69	476,686	7,926	6,887	127,005	4,900,946	1,566,707	-	-	53,425	7,139,582	
KRAMER-INYOKERN-RANDBURG No. 3		4135	4135	*	49.4058	206.15	427,416	25,128	-	1,994,294	278,904	1,461,513	-	-	23,494	4,210,748	
KRAMER-ROADWAY		4750	4750 OH	OH	29.6200												
VICTOR-ROADWAY		4750	4750 OH	OH	5.0665												
VICTOR-ROADWAY		4750	4750 UG	UG	0.1328												
KRAMER-ROADWAY-VICTOR		4750	4750 OH	*	34.8192	1,623.69	#####	5,764	5,008	92,353	3,563,756	1,139,241	0	0	38,848	5,191,596	
KRAMER-TORTILLA		4750	4750 OH		37.6233	1,623.69	374,540	6,228	5,411	99,790	3,850,752	1,230,986	-	-	41,977	5,609,684	
KRAMER-VICTOR		4750	4750 OH	OH	34.5508	1,623.69	343,953	5,719	4,969	91,640	3,536,277	1,130,457	-	-	38,549	5,151,564	
KRAMER-VICTOR		4750	4750 UG	UG	0.1200	13.80	1,195	20	17	-	-	-	39,136	126,159	134	166,661	
TOTAL KRAMER-VICTOR					34.6708	1,637.49	345,148	5,739	4,986	91,640	3,536,277	1,130,457	39,136	126,159	38,683	5,318,225	
TOTAL 115kv T/Ls						607.8005	14,926.88	5,220,591	102,046	66,833	3,652,379	49,594,344	17,569,976	39,136	126,159	565,073	76,936,536
66kv TRANSMISSION LINES																	
ANTELOPE-NEENACH		4105	4105 OH		17.3617	4,629.80	111,281	31,152	5,806	131,064	2,529,788	725,136	-	-	56,171	3,590,398	
BAILEY-NEENACH-WESTPAC		4105	4105 OH	*	16.3831	4,629.80	105,008	29,396	5,479	123,676	2,387,188	684,262	-	-	53,005	3,388,014	
TOTAL 66kv T/Ls						33.7448	9,259.60	216,289	60,548	11,285	254,740	4,916,977	1,409,398	-	-	109,176	6,978,412
55kv TRANSMISSION LINES																	
CONTROL-SILVER PEAK "A" - CALIF		4705	4705 OH	*	17.5400	105.29	40,432	466,875	-	-	1,337,715	377,093	-	-	5,959	2,228,075	
CONTROL-SILVER PEAK "C" - CALIF		4705	4705 OH	*	24.4962	105.29	56,466	652,034	-	-	1,868,242	526,645	-	-	8,323	3,111,710	
TOTAL 55kv T/Ls						42.0361	210.58	96,898	1,118,909	-	-	3,205,957	903,739	-	-	14,282	5,339,785
GRAND TOTAL						6,290.9150	53,930.96	212,803,674	13,969,588	27,420,678	2,233,991,232	324,258,228	1,235,903,790	185,508,197	81,951,072	182,027,087	4,497,833,545
Indicates only the portion of the circuit that is considered under ISO control.					EOY 2015	6,278.6217	54,515.45	201,852,710	9,643,205	944,140	2,164,622,763	310,678,566	1,239,646,181	221,416	13,011,928	187,087,541	4,127,708,451
					Incr/ (Decr)	12.2933	(584.4958)	10,950,964	4,326,383	26,476,538	69,368,470	13,579,661	(3,742,391)	185,286,780	68,939,144	(5,060,454)	370,125,094
															Acct 354-359		328,371,210

TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2016

OPERATING VOLTAGE /		ACCOUNT NO.									EOY 2016	
Location	Line Name	350	352	353	354	355	356	357	358	359	TOTAL	CIRCUIT MILES
1000 kV TRANSMISSION LINES												
4031	DWP-EDSN CELILO-SYLMR CA		95,841		29,639,623		14,752,432			136,841	44,624,737	336.18
4034	DWP-EDSN CELILO-SYLMR NV		541		7,698,607		5,631,427			668,871	13,999,446	289.73
TOTAL 1000kV T/L'S		-	96,382	-	37,338,231	-	20,383,859	-	-	805,712	58,624,183	625.90
500 kV TRANSMISSION LINES												
4026	MIDWAY-VINCENT LINES 1&2	2,910,822	8,464	27,105	20,975,418	85,359	22,941,425			795,535	47,744,128	225.49
4123	LUGO-VINCENT LNES 1&2	1,749,466		16,633	10,697,986	103,494	7,195,860			1,891	19,765,330	94.39
4130	MOHAVE-LUGO 500KV	157,990			1,471,682		517,455			19,051	2,166,177	9.85
4136	LUGO-ELDORADO LN	1,330,373			16,364,390	2,050,363	10,609,936			117,747	30,472,809	150.67
4137	LUGO-ELDORADO LN	16,589			3,501,194		4,414,477			20,088	7,952,348	26.51
4138	LUGO-MIRA LOMA 2&3	9,590,970	1,081,212	98	26,789,378	118,240	18,451,745			591,464	56,623,106	97.51
4140	MOHAVE-LUGO 500 KV LN	278,112	7,296		16,558,823	1,513,721	10,310,625			329,333	28,997,909	165.96
4141	MOHAVE-ELDORADO LN	76,199			6,490,784		1,251,359			55,916	7,874,259	59.39
4143	ELDORADO-BORDER 500 KV LN	6,167			3,964,934		1,880,705			145,064	5,996,871	29.65
4148	MIRA LOMA-SERRANO LN	1,700,240			21,540,648		7,820,475			252,983	31,314,346	39.46
4154	LUGO-VICTORVLL EDSON-DWP	748,912	51,478		1,527,713		759,625				3,087,727	7.57
4155	MIDWAY-VINCENT LN 3	5,828,378			20,892,322	7,352	7,090,695			187,772	34,006,518	60.24
4158	LUCERNE-LUGO/MIRA LOMA LN	498,252									498,252	-
4185	DEVERS-PALO VERDE	14,776,950			288,418,707	2,583,691	134,152,951		1,151,660	467,230	441,551,189	243.10
4186	DEVERS-PALO VERDE	1,193,710			21,453,866		24,561,685			147,245	47,356,506	112.30
4187	DEVERS-VALLEY LNS 1,2	10,444,073	32,102		217,488,672	302,978	48,501,669			18,101,880	294,871,374	83.20
4188	SERRANO-VALLEY LN	2,855,109	237,613		23,572,662	515,653	14,833,343			2,640,525	44,654,906	40.80
4191	VALLEY-INLAND 500KV TL				3,058	12,338	4,980				20,377	0.92
4360	OH	24,575,272	1,274,023		359,889,999	71,600,684	154,897,631	178,079,520	62,259,913	34,439,525	887,016,567	93.64
4360	UG	994,612	51,562		14,565,486	2,897,826	6,269,024	7,207,243	2,519,786	1,393,838	35,899,378	3.79
4708	ANTELOPE-WINDHUB 500KV LN	16,945,980			14,032,500	30,806,236	20,048,113				81,832,829	25.45
4710	ANTELOPE-WHIRLWIND 500KV LN	15,440,367			41,343,774		38,017,631			2,209,841	97,011,614	14.49
4711	WHIRLWIND-WINDHUB 500KV L	71,262			58,253,392	(10,509)	18,727,688			677	77,042,510	16.13
4712	ANTELOPE - VINCENT #2 500KV	11,885,452			167,437,605	6,874,626	50,330,343			556	236,528,582	34.82
4716	ANTELOPE-VINCENT #1 500 kV				329,923						329,923	-
5069	MIRA LOMA SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study		123,410					123,410	-
5070	VALLEY-500 KV	Refer Substation Study	Refer Substation Study	Refer Substation Study							-	-
5080	SERRANO SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study						2,236,590	2,236,590	-
5090	EL DORADO SUB(NEVADA)	Refer Substation Study	Refer Substation Study	Refer Substation Study						94,492	94,492	-
8958	SYLMAR-PAC INTERTIE	Refer Substation Study	Refer Substation Study	Refer Substation Study	2,505,376		359,913				2,865,290	-
TOTAL 500kV T/L'S		124,075,257	2,743,749	43,836	1,360,070,290	119,585,462	603,949,354	185,286,763	65,931,360	64,249,244	2,525,935,316	1,635.00
220 kV TRANSMISSION LINES												
4045	PARDEE-SYLMAR LNES 1&2	187,213	106,089		701,607		453,192			38,006	1,486,107	13.00
4046	EAGLE ROCK-SYLMAR LNE	186,657			214,409		62,108				463,174	1.79
4051	PARDEE-VINCENT LN 1				316,356		204,878			145,317	666,551	7.35
4059	PARDEE-VINCENT LINE CONST	13,002			966,737		202,343			20,953	1,203,034	2.74
4070	RIO HONDO-VINCENT LN 2	61,040			344,764		232,146			11,892	649,842	4.42
4101	MANY TRANSMISSION LINES	1,449,844	918,495	98,475	23,308,860	1,730,694	31,605,775			1,151,849	60,263,992	354.28
4102	COGEN/RENEWABLE ENERGY SO	1,466,128			2,912,573	546,056	2,139,076				7,063,832	8.43
4104	OH	1,330,987	82,114	33,428	19,217,686	15,250,728	32,521,332			2,600,286	71,036,560	158.71
4104	UG	348	21	9				1,480	260,160	680	262,698	0.04
4107	ANTELOPE/MESA LINE, OTHER	4,267,463	1,127,840		124,862,797	7,182,529	57,844,317			79,842,033	275,126,979	185.66
4108	CHINO-SERRANO/SN ONFRE LN	8,067,991	3,376,212		14,115,074	1,552,075	14,150,858			454,131	41,716,341	169.56

TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2016

OPERATING VOLTAGE /		ACCOUNT NO.									TOTAL	EOY 2016 CIRCUIT MILES
Location	Line Name	350	352	353	354	355	356	357	358	359		
4109			25,255				467,285				492,540	0.38
4111	BIG CRK 3-BIG CRK 4	1,944			133,734		284,487			29,429	449,593	5.79
4113	BIGCRK-SPRGVL, MGDN-SPRGV	874,872	23,989		22,327,333	45,474,449	28,077,520			19,214,130	115,992,291	99.30
4114	ALAMITOS-MESA LN, OTHERS	3,210,534	937,144	661,182	13,532,584	3,410,146	9,867,891			304,171	31,923,651	129.55
4115	HINSON-LIGHTHIPE 1&2	1,607,024	596,925	2,149	3,599,135	498,077	2,127,313			27,417	8,458,040	27.07
4116	OH	3,557,091	289,613	2,043	3,216,620	11,238,478	6,714,418			13,417	25,031,680	90.45
4116	UG	37,461	3,050	22				180,589	536,444	141	757,707	0.95
4117	ELDRDO-CIMA-PISGAH LN1,2	1,005,237	24,292	12,857	24,063,066	4,938,337	12,076,607			151,162	42,271,558	334.26
4118	*	5,473,772	692,532	2,204	17,905,668	506,590	14,236,254			175,713	38,992,733	154.94
4119	CENTER-MESA LN, OTHERS	2,101,337	263,875	101	31,543,262	85,176	26,784,456			2,830,220	63,608,426	131.30
4120	ALAMITOS-CENTER, OTHERS	4,271,251	503,557	29,998	8,621,812	880,665	7,044,159	256		33,420	21,385,118	150.09
4121	BIG CREEK 4-SPRNGVLL-MGDN	353,928	55,314	26,465,697	1,724,370	206,524	(2,004,293)			143,697	26,945,238	135.41
4125	GOLETA-SNTA CLARA, OTHERS	11,478,276	1,182,283	1,918	31,218,541	2,009,913	14,288,024			1,781,163	61,960,118	414.75
4127	HOOVER-MEAD No. 2 & 3	19,842			342,559		236,576			5,205	604,183	31.14
4127	CIMA-ELDORADO-PISGAH No. 1 & 2				305,096	462,057	313,226				1,080,379	53.95
4135	*	1,783,389	104,846		8,321,178	1,163,723	6,098,154			98,027	17,569,317	206.15
4144	ELDORADO-MEAD LNS 1&2	9,994			473,674	358,194	429,215			1,023	1,272,100	30.64
4147	Designed at 500kV	3,884,037		1,880	2,765,700		15,576,370			145,187	22,373,174	29.69
4153	VINCENT-PEARBLOSSOM LN	309,032			60,375	1,200,430	308,138			23,687	1,901,662	13.13
4156	ELLIS-SANTIAGO LNS 1,2	12,019,808			2,262,700	6,476,819	2,971,326			38,262	23,768,915	29.49
4157	RIO HONDO-VINCENT NO. 2 220/500KV	105,605	18,610		279,715,004	17,020,438	65,025,306			547,507	362,432,471	48.18
4166	BIG CRK 2-BIG CRK 8	9,034			164,051		136,431				309,516	9.03
4168	BIG CRK 3-MAMMOTH POOL	4,331	523,515		262,365		526,631			37,890	1,354,731	6.50
4169	BIG CRK 1-RECTOR, OTHER	11,554,667		2,701	14,214,415	17,865,246	14,824,673			1,252,847	59,714,549	372.22
4189	SERRANO-VILLA PK LN 1,2,3	78,248	37,274		1,521,458		1,397,144				3,034,123	6.50
4193	BIG CRK 1-EASTWOOD				4,152,836	64,888	2,461,080				6,678,804	4.66
4644	ANTELOPE-PARDEE	3,934,890			85,882,547	7,668,801	39,491,922			3,941,302	140,919,461	26.39
4709	WINDHUB-HIGHWIND 230KV LN	3,268,655		(1)	33,257,811		11,898,019		15,096,949		63,521,433	9.60
4733	ELDORADO-IVANPAH NO 1&2 - CA			23,924	25,282,715		20,581,664				45,888,303	10.32
4734	ELDORADO-IVANPAH NO 1&2 - NV	352,196			49,211,603	604,077	164,428,387			2,181,511	216,777,773	58.48
4753	PEARBLOSSOM-VINCNT 220KV										-	
4756	DEVERS-SN BRDNO 220 KV LN	1,079,577	16,401		6,958,865	568,180	4,604,528			119,281	13,346,833	120.31
5015	GOULD SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study						4,090	4,090	-
5053	SANTA CLARA SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study						13,555	13,555	-
5083	VIEJO SUBSTATION	Refer Substation Study	Refer Substation Study	Refer Substation Study				10			10	-
TOTAL 230kV T/L'S		89,416,705	10,909,246	27,338,585	860,001,939	148,963,291	610,688,935	182,335	15,893,554	117,378,600	1,880,773,190	3,646.61
* Cost allocated between operating voltages by pole miles.												
161 kV TRANSMISSION LINES												
4759	BLYTHE-EAGLE MT 161 KV LN	33,310				2,572,895	331,263			4,845	2,942,314	53.06
TOTAL 161kV T/L'S		33,310	-	-	-	2,572,895	331,263	-	-	4,845	2,942,314	53.06

TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2016

OPERATING VOLTAGE /		ACCOUNT NO.										EOY 2016
Location	Line Name	350	352	353	354	355	356	357	358	359	TOTAL	CIRCUIT MILES
<u>115 kV TRANSMISSION LINES</u>												
4106	*OH	196,165			0	4,436,046	1,840,455				6,472,666	20.06
4135	*Designed at 220kV	428,020	25,163		1,997,115	279,298	1,463,581			23,527	4,216,705	49.48
4731	POOLE-LEE VINING 115KV LI					206,907	40,739				247,646	6.34
4732	RUSH CRK-LEE VINING 115KV					481,187	218,075				699,262	15.25
4735	*	(4)			4,008	277,465	18,398			4,903	304,771	4.46
4750	OH*	16,163,822	268,765	233,525	4,306,576	166,184,794	53,125,009			1,811,574	242,094,066	1,623.69
4750	UG*	137,370	2,284	1,985				4,500,369	14,507,310	15,396	19,164,714	13.80
4781	HOOVER-CLWTR 115 KV LN	1,277			98,307	43,204	94,968			1,376	239,133	21.00
4782	HOOVER-CLWTER 115 KV LN	165,196			327,795	1,716,555	811,371			21,669	3,042,586	72.74
TOTAL 115kV T/L'S		17,091,848	296,212	235,509	6,733,801	173,625,457	57,612,595	4,500,369	14,507,310	1,878,445	276,481,548	1,826.81
<u>66 / 55 / 33 kV TRANSMISSION LINES</u>												
4105	OH	29,674,870	8,307,194	1,548,259	34,950,343	674,610,270	193,369,748			14,978,976	957,439,660	4,629.80
4105	UG	2,127,671	595,621	111,009				55,567,381	256,585,527	1,073,984	316,061,193	331.95
4105	UG 33kV	11,523	3,226	601				300,943	1,389,619	5,816	1,711,728	1.80
4106	OH*	310,676			0	7,025,570	2,914,814				10,251,061	31.78
4106	UG*	56,280						1,514,481	3,637,776		5,208,536	5.76
4118	*	138,502	17,523	56	453,063	12,818	360,217			4,446	986,624	3.92
4124	BIG CRK 1-CMP TEN--PRTL	485			48,890	312,251	202,022	1,343	68,591		633,581	-
4128	LYTLE CREEK-POLE 534694E					1,240	1,277				2,517	-
4129	KERN RIVER3-VESTAL 66 KV	38,460			345,087	1,439,382	931,818				2,754,747	88.60
4132	CUMMINGS-KERBN RIV1, OTHE	3,146			60,500	175,424	100,414			40,795	380,280	3.80
4133	BOREL---WALKER 66KV LN	53,165			7,516	10,080,670	588,065			11,455	10,740,870	37.50
4139	SPRGVLL-TULE 66KV LN	517				661,117	157,660				819,294	2.29
4142	BOREL-WELDON 66KV LN	25,409				3,426,807	1,142,783				4,594,999	31.74
4149	SANTA ANA LNS 1,2,3	232				60,363	26,752			1,093	88,440	3.99
4705	OH	242,710	2,802,640			8,030,273	2,263,683			35,775	13,375,080	105.29
4705	UG	505	5,835							74	6,414	0.22
4730	LEE VINING-LUNDY 55K 4771	10,585			160,394	433,240	298,967				903,185	7.22
4735	*Designed at 115kV	(7)			7,669	530,853	35,199			9,381	583,094	8.53
4750	OH*Designed at 115kV	156,507	2,602	2,261	41,699	1,609,088	514,384			17,541	2,344,082	15.72
TOTAL 66 / 55 / 33kV T/L'S		32,851,235	11,734,641	1,662,187	36,075,159	708,409,366	202,907,802	57,384,147	261,681,513	16,179,337	1,328,885,387	5,310.00
TOTAL ALL T/L'S		263,468,355	25,780,230	29,280,117	2,300,219,420	1,153,156,471	1,495,873,809	247,353,614	358,013,737	200,496,183	6,073,641,938	13,097.00
* Cost allocated between operating voltages by pole miles.												
EOY 2015		252,907,802	12,792,530	8,007,740	2,254,729,147	1,003,809,885	1,478,798,389	55,195,401	257,890,517	193,967,333	5,518,098,744	
Difference		10,560,553	12,987,700	21,272,377	45,490,273	149,346,586	17,075,420	192,158,213	100,123,220	6,528,850	555,543,192	

MILES

[illegible]

AS OF DECEMBER 31, 2016

[illegible]

AS OF DECEMBER 31, 2016

[illegible]

MILES

[illegible]

AS OF DECEMBER 31, 2016

[illegible]

TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2016

[illegible]

MILES

[illegible]

MILES

[illegible]

TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2016

OPERATING VOLTAGE /		ACCOUNT NO.									
Location	Line Name	350	352	353	354	355	356	357	358	359	TOTAL
9297		Refer to Substation Study	Refer to Substation Study	Refer to Substation Study							-
9900		Refer to Substation Study	Refer to Substation Study	Refer to Substation Study							-
9999		Refer to Substation Study	Refer to Substation Study	Refer to Substation Study							-
*Rows hidden in Non4xxx Locations		-	-	-	1,521,491	38,647	298,685	251,112	944	3,859	2,114,738
Total exclusions					\$ 5,278,807	\$ 5,008,497	\$ 3,937,450	\$ 5,866,676	\$ 10,720,592	\$ 39,053	\$ 30,851,074
Totals including exclusions					\$ 2,305,498,227	\$ 1,158,164,968	\$ 1,499,811,258	\$ 253,220,290	\$ 368,734,329	\$ 200,535,236	\$ 5,785,964,308
FERC FORM 1 Totals					\$ 2,305,498,226	\$ 1,158,164,968	\$ 1,499,811,260	\$ 253,220,290	\$ 368,734,329	\$ 200,535,234	\$ 5,785,964,307
Difference					\$ (1)	\$ 0	\$ 2	\$ (0)	\$ (0)	\$ (2)	\$ (1)

EOY 2016
CIRCUIT
MILES