

SOUTHERN CALIFORNIA EDISON COMPANY

Transmission/Distribution ISO Facilities Study

12-31-2014 Facilities

TO10 Draft Annual Update

Attachment 4

WP-Schedule 7-Plant Study

Page 1 of 31

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Transmission

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
Land (Substation and Line)				
350	\$320,113,711	\$320,113,712	\$234,181,201	73.2%
Substation				
352	628,958,105	628,958,105	428,326,101	68.1%
353	4,996,027,821	4,996,027,822	2,920,111,450	58.4%
Total Substation	5,624,985,926	5,624,985,926	3,348,437,551	59.5%
Lines				
354	1,883,502,324	1,883,502,324	1,785,929,479	94.8%
355	838,670,098	838,670,098	230,528,301	27.5%
356	1,275,427,830	1,275,427,829	1,044,386,521	81.9%
357	56,304,666	56,304,667	217,201	0.4%
358	248,470,086	248,470,085	12,994,314	5.2%
359	86,695,550	86,695,550	79,700,254	91.9%
Total Lines	4,389,070,554	4,389,070,553	3,153,756,069	71.9%
Total Transmission	\$10,334,170,191	\$10,334,170,191	\$6,736,374,821	65.2%

Distribution

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total
Land:				
360	\$107,597,922	\$107,597,918	-	0.0%
Structures:				
361	523,812,732	523,812,732	-	0.0%
362	2,063,610,308	2,063,610,309	-	0.0%
Total Structures	2,587,423,040	2,587,423,041	-	0.0%
Total Distribution	\$2,695,020,962	\$2,695,020,959	-	0.0%
Total Transmission & Distribution	\$13,029,191,153	\$13,029,191,150	\$6,736,374,821	51.7%

Southern California Edison Company

Summary of ISO Facility Gross Plant
High/Low Voltage Split
12-31-2014 Facilities
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TO10 Draft Annual Update
Attachment 4
WP-Schedule 7-Plant Study
Page 2 of 31

Total ISO Plant				Gross ISO Plant Split into High Voltage, Low Voltage, and Transformers that Straddle HV/LV				
ISO Transmission and Distribut	Total ISO Gross Plant	Land	Structures	Land HV	Land LV	Structures HV	Structures LV	Transformers HV/LV
Transmission Lines:								
1000 kV T Lines	57,999,671	-	57,999,671	-	-	57,999,671	-	-
500 kV T Lines	2,126,962,474	114,069,742	2,012,892,732	114,069,742	-	2,012,892,732	-	-
230 kV T Lines	1,084,932,091	74,317,181	1,010,614,910	74,317,181	-	1,010,614,910	-	-
161 kV T Lines	2,428,403	33,310	2,395,093	-	33,310	-	2,395,093	-
115 kV T Lines	66,928,461	4,615,708	62,312,753	-	4,615,708	-	62,312,753	-
66 kV T Lines	5,314,474	219,035	5,095,439	-	219,035	-	5,095,439	-
55 kV T Lines	2,542,368	96,898	2,445,470	-	96,898	-	2,445,470	-
Total Transmission Lines	3,347,107,943	193,351,874	3,153,756,069	188,386,923	4,964,951	3,081,507,314	72,248,755	-
Substations:								
High Voltage Substations (750 kV, 500kV, 220kV)	2,923,104,322	40,503,768	2,882,600,554	40,503,768	-	2,882,600,554	-	-
Straddle Substations:								
Antelope	208,122,242	21,983	208,100,260	19,499	2,484	174,613,386	22,241,296	11,245,577
Bailey	21,603,144	110,290	21,492,854	91,338	18,952	13,610,314	2,823,994	5,058,545
Eagle Mountain	1,539,362	-	1,539,362	-	-	1,398,423	138,909	2,031
Kramer	18,432,581	33,401	18,399,180	14,448	18,954	6,591,080	8,679,860	3,128,240
Ivanpah	43,494,736	-	43,494,736	-	-	16,730,268	11,572,440	15,192,028
Victor	95,238,634	18,747	95,219,887	1,571	17,176	6,364,769	69,580,005	19,275,113
Total Straddle Substations	388,430,700	184,421	388,246,279	126,856	57,564	219,308,241	115,036,504	53,901,534
Low Voltage Substations (Less Than 220kV)	77,731,856	141,139	77,590,718	-	141,139	-	77,590,718	-
Total Substations	3,389,266,878	40,829,327	3,348,437,551	40,630,624	198,703	3,101,908,795	192,627,222	53,901,534
Total Lines and Substations	6,736,374,821	234,181,201	6,502,193,620	229,017,547	5,163,654	6,183,416,108	264,875,977	53,901,534

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	229,017,547	5,163,654	234,181,201
Structures	6,183,416,108	264,875,977	6,448,292,085
Total Determined HV/LV	6,412,433,656	270,039,631	6,682,473,287
Percentage:	95.96%	4.04%	100.00%
Transformers	51,723,366	2,178,168	53,901,534
Total HV & LV Gross Plant	6,464,157,022	272,217,799	6,736,374,821

Southern California Edison Company

Summary of ISO Facility Gross Plant

High/Low Voltage Mix Summary

12-31-2014 Facilities

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Facility:	Location #	Land HV	Land LV	Structures HV	Structures LV	Transformers HV/LV
230 kV Substations						
Antelope	5052	19,499	2,484	174,613,386	22,241,296	11,245,577
Bailey	5059	91,338	18,952	13,610,314.48	2,823,994.42	5,058,545.35
Eagle Mountain	5040	-	-	1,398,423	138,909	2,031
Ivanpah	8363	-	-	16,730,268	11,572,440	15,192,028
Kramer	5042 & 8046	14,448	18,954	6,591,080	8,679,860	3,128,240
Victor	8049	1,571	17,176	6,364,769	69,580,005	19,275,113
Total Straddle Stations		126,856	57,564	219,308,241	115,036,504	53,901,534

SOUTHERN CALIFORNIA EDISON COMPANY

Transmission/Distribution ISO Facilities Study

12-31-2014 Facilities

2014 Year End Transmission				2013 Year End			Delta		
	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	\$320,113,712	\$234,181,201	73.2%	\$298,877,371	\$212,938,579	71.2%	\$21,236,341	\$21,242,622	1.9%
Substation									
352	628,958,105	428,326,101	68.1%	564,337,780	376,495,331	66.7%	64,620,324	51,830,771	1.4%
353	4,996,027,822	2,920,111,450	58.4%	4,639,419,682	2,708,882,934	58.4%	356,608,140	211,228,515	0.1%
Total Substation	5,624,985,926	3,348,437,551	59.5%	5,203,757,462	3,085,378,265	59.3%	421,228,464	263,059,286	0.2%
Lines									
354	1,883,502,324	1,785,929,479	94.8%	1,521,172,513	1,443,480,699	94.9%	362,329,811	342,448,780	-0.1%
355	838,670,098	230,528,301	27.5%	699,098,442	143,991,959	20.6%	139,571,656	86,536,341	6.9%
356	1,275,427,829	1,044,386,521	81.9%	986,734,476	764,993,254	77.5%	288,693,353	279,393,267	4.4%
357	56,304,667	217,201	0.4%	54,837,628	207,785	0.4%	1,467,039	9,416	0.0%
358	248,470,085	12,994,314	5.2%	226,947,418	12,339,134	5.4%	21,522,667	655,180	-0.2%
359	86,695,550	79,700,254	91.9%	76,476,359	68,770,633	89.9%	10,219,191	10,929,621	2.0%
Total Lines	4,389,070,553	3,153,756,069	71.9%	3,565,266,836	2,433,783,463	68.3%	823,803,717	719,972,606	3.6%
Total Transmission	\$10,334,170,191	\$6,736,374,821	65.2%	\$9,067,901,669	\$5,732,100,307	63.2%	\$1,266,268,522	\$1,004,274,513	2.0%
Distribution									
	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total	Total Plant	ISO Plant	ISO % of Total
Land:									
360	\$107,597,918	-	0.0%	\$106,703,686	-	0.0%	\$894,232	-	0.0%
Structures:									
361	523,812,732	-	0.0%	479,848,347	-	0.0%	43,964,385	-	0.0%
362	2,063,610,309	-	0.0%	1,894,725,397	-	0.0%	168,884,912	-	0.0%
Total Structures	2,587,423,041	-	0.0%	2,374,573,745	-	0.0%	212,849,296	-	0.0%
Total Distribution	\$2,695,020,959	-	0.0%	\$2,481,277,430	-	0.0%	\$213,743,529	-	0.0%
Total Transmission & Distribution	\$13,029,191,150	\$6,736,374,821	51.7%	\$11,549,179,099	\$5,732,100,307	49.6%	\$1,480,012,050	\$1,004,274,513	2.1%

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 current forecast for the EKWRA project's physical work is December 2014. 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

12-31-2014 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	-	-	2,259,292	2,259,292	-	-	2,259,292	-	-	-
INYO	2570	115kV	-	287,755	4,211,836	4,499,592	-	287,755	4,211,836	-	-	-
METRO GOM MAINT	5001	500kV	-	-	48,940,878	48,940,878	-	-	48,940,878	-	-	-
HARBORGEN SUB	5019	220kV	-	18,729	3,938,085	3,956,814	-	18,729	3,938,085	-	-	-
EL SEGUNDO SWITCHRACK SUB	5026	220kV	12,470	7,552	1,159,364	1,179,386	12,470	7,552	1,159,364	-	-	-
MIDWAY SUB	5032	500kV	-	3,616	190,211	193,827	-	3,616	190,211	-	-	-
PASTORIA SUB	5036	220kV	21,435	1,044,516	11,167,564	12,233,516	21,435	1,044,516	11,167,564	-	-	-
CLWTR SWITCHRACKS 1,2	5044	115kV	-	-	1,486,720	1,486,720	-	-	1,486,720	-	-	-
MOHAVE SWITCHRACK	5045	500kV	-	3,070,768	7,655,357	10,726,124	-	3,070,768	7,655,357	-	-	-
RANCHO VISTA SUB	5047	500kV	1,844,367	22,513,721	154,001,387	178,359,475	1,844,367	22,513,721	154,001,387	-	-	-
SYLMAR SUB	5058	1000kV	-	19,757	1,802,143	1,821,901	-	19,757	1,802,143	-	-	-
LUGO SUB	5061	500kV	90,983	8,384,235	133,663,769	142,138,986	90,983	8,384,235	133,663,769	-	-	-
PISGAH SUB	5065	220kV	-	67,311	2,296,053	2,363,364	-	67,311	2,296,053	-	-	-
GENE SUB	5066	220kV	-	30,050	1,938,239	1,968,289	-	30,050	1,938,239	-	-	-
WINDHUB SUB	5079	500kV	1,231,926	32,223,648	214,785,172	248,240,745	1,080,681	28,246,195	188,461,312	151,244	3,977,453	26,323,859
SERRANO SUB	5080	500kV	1,226,475	15,498,111	162,442,181	179,166,766	1,226,475	15,498,111	162,442,181	-	-	-
LEWIS SUB	5089	220kV	1,444	611	3,434,718	3,436,773	1,444	611	3,434,718	-	-	-
EL DORADO SUB(NEVADA)	5090	500kV	13,183	6,194,937	75,407,016	81,615,136	13,183	6,194,937	75,407,016	-	-	-
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	-	2,116,792	45,457,619	47,574,411	-	2,116,792	45,457,619	-	-	-
EAST SERIES CAPACITORS 1	5094	500kV	-	857,212	8,215,857	9,073,069	-	857,212	8,215,857	-	-	-
PALO VERDE SWITCHRACK SUB	5097	500kV	-	4,629	4,658,505	4,663,134	-	4,629	4,658,505	-	-	-
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	7,731,153	119,394,198	127,177,014	51,663	7,731,153	119,394,198	-	-	-
RP&AS,LND&ESMNT REQUIS	9219	Div Offices & Misc	10,906,204	-	-	10,906,204	10,906,204	-	-	-	-	-
EDISON ITAC	1451	Misc	-	-	35,855	35,855	-	-	-	-	-	35,855
SAN ONOFRE-COMMON 1,2,3	1808	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-COMMON 2,3	1809	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 1	1810	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 2	1812	220kV	-	-	-	-	-	-	-	-	-	-
SAN ONOFRE-UNIT 3	1818	220kV	-	-	-	-	-	-	-	-	-	-
SONGS 2,3 SPARE PARTS	1824	220kV	-	-	-	-	-	-	-	-	-	-
SONGS COMMON 2 & 3- (INC)	1839	220kV	-	-	-	-	-	-	-	-	-	-
PALOVERDE NUCL GEN PLT-U1	1860	500kV	-	-	2,542,931	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	-	-	4,849,490	4,849,490	-	-	-	-	-	4,849,490
PALOVERDE-COMMON 1,2,3	1867	500kV	7,766	-	2,674,771	2,682,537	-	-	-	7,766	-	2,674,771
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	-	-	2,838,871	2,838,871	-	-	-	-	-	2,838,871
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
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	-	-	462,406	462,406	-	-	-	-	-	462,406
ONTARIO NO.1	2331	66kV	-	-	205,914	205,914	-	-	-	-	-	205,914
EASTERN HYDRO REGION	2500	55kV	-	7,254	-	7,254	-	-	-	-	7,254	-
BISHOP CREEK CANYON	2501	Misc	-	-	697,220	697,220	-	-	-	-	-	697,220

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
MONO BASIN	2503	115kV	-	-	196,344	196,344	-	-	-	-	-	196,344
Lundy	2560 & 2510	55kV	-	317,627	5,817,879	6,135,506	-	-	-	-	317,627	5,817,879
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	-	-	60,797	60,797	-	-	-	-	-	60,797
BISHOP CREEK NO.3	2523	55kV	-	-	1,841,377	1,841,377	-	-	-	-	-	1,841,377
BISHOP CREEK NO.4	2524	55kV	-	-	88,569	88,569	-	-	-	-	-	88,569
BISHOP CREEK NO.5	2525	55kV	-	-	43,037	43,037	-	-	-	-	-	43,037
BISHOP CREEK NO.6	2526	55kV	-	-	39,098	39,098	-	-	-	-	-	39,098
FISH LAKE VALLEY METERING	2553	55kV	-	1,343	12,150	13,493	-	-	-	-	1,343	12,150
CASA DIABLO	2557	115kV	2,119	290,687	3,525,578	3,818,384	-	-	-	2,119	290,687	3,525,578
LEE VINING	2561	115kV	344	250,528	2,072,018	2,322,890	-	-	-	344	250,528	2,072,018
SHERWIN	2571	115kV	-	100,772	1,046,645	1,147,416	-	-	-	-	100,772	1,046,645
ZACK	2582	55kV	5,433	-	629,851	635,284	-	-	-	5,433	-	629,851
MT. TOM	2598	55kV	-	-	(230)	(230)	-	-	-	-	-	(230)
BRIDGEPORT	2610	33kV & Below	-	-	4,451	4,451	-	-	-	-	-	4,451
DAF INDAL 500KW WND TURBN	3717	33kV & Below	714	-	-	714	-	-	-	714	-	-
LEBEC SUBSTATION	5016	220kV	-	-	15,138	15,138	-	-	-	-	-	15,138
ARCOGEN SUB	5022	220kV	-	-	963,824	963,824	-	-	-	-	-	963,824
CLWTR SWITCHRACK 3,4 SUB	5046	220kV	48,136	156,227	3,179,929	3,384,292	-	-	-	48,136	156,227	3,179,929
ORMOND BCH SWITCHRACK SUB	5049	220kV	158,170	34,483	5,075,770	5,268,423	-	-	-	158,170	34,483	5,075,770
SAUGUS SUB	5051	66kV	13,373	1,576,665	28,425,848	30,015,886	-	-	-	13,373	1,576,665	28,425,848
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 SWITCHRCK	5078	220kV	21,660	24,347	4,642,385	4,688,392	-	-	-	21,660	24,347	4,642,385
TRITON SUB	5095	115kV	2,415,092	2,368,731	26,282,479	31,066,303	-	-	-	2,415,092	2,368,731	26,282,479
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
WABASH (NEW) SUB	5110	66kV	-	-	9,832	9,832	-	-	-	-	-	9,832
THUMSGEN SUBSTATION	5112	66kV	-	-	2,049	2,049	-	-	-	-	-	2,049
RUSH SUB	5116	66kV	-	-	6,165	6,165	-	-	-	-	-	6,165
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
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	-	-	32,136	32,136	-	-	-	-	-	32,136
CORTEZ SUB	5186	66kV	-	-	31,589	31,589	-	-	-	-	-	31,589
RAILROAD SUB	5196	66kV	-	-	4,078	4,078	-	-	-	-	-	4,078
ALHAMBRA DIST SUB TRG FAC	5198	66kV	-	-	2,046,562	2,046,562	-	-	-	-	-	2,046,562
CULVER CITY SUB	5204	66kV	-	-	655	655	-	-	-	-	-	655
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	16kV	-	14,955	-	14,955	-	-	-	-	14,955	-
WINDSOR HILLS SUB	5235	66kV	-	-	1,820,273	1,820,273	-	-	-	-	-	1,820,273
LAWNDALE SUB	5238	16kV	-	25,201	-	25,201	-	-	-	-	25,201	-
YUKON SUB	5241	66kV	4,415	-	-	4,415	-	-	-	4,415	-	-
SAWTELLE SUB	5250	66kV	-	25,891	-	25,891	-	-	-	-	25,891	-
BRIDGE SUB	5257	66kV	-	14,957	-	14,956.64	-	-	-	-	14,957	-
STIRRUP SUB	5259	16kV	-	14,955	-	14,955.44	-	-	-	-	14,955	-
STANHILL SUB	5273	66kV	-	-	0	0.01	-	-	-	-	-	0
HAVILAH SUB	5311	66kV	-	-	6,563	6,562.58	-	-	-	-	-	6,563
LAUREL SUB	5315	66kV	-	-	10,243,653	10,243,653.15	-	-	-	-	-	10,243,653

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
LORAINE SUB	5318	66kV	-	-	6,534	6,534.44	-	-	-	-	-	6,534
OCTOL SUB	5320	66kV	-	-	6,534	6,534.44	-	-	-	-	-	6,534
STRATHMORE SUB	5325	66kV	-	-	8,744	8,744.34	-	-	-	-	-	8,744
WOODVILLE SUB	5333	66kV	-	-	73,841	73,840.84	-	-	-	-	-	73,841
GRANGEVILLE SUB	5342	12kV	-	-	3,628	3,628.21	-	-	-	-	-	3,628
LINE CREEK SUB	5352	33kV & Below	-	-	9,627	9,626.80	-	-	-	-	-	9,627
RIVERWAY SUB	5374	66kV	801,825	-	-	801,825.46	-	-	-	801,825	-	-
CHANNEL ISLANDS SUB	5506	66kV	-	116,483	-	116,483.37	-	-	-	-	116,483	-
FILLMORE SUB	5510	66kV	-	5,566	-	5,565.70	-	-	-	-	5,566	-
VENTURA SUB	5538	16kV	-	72,888	-	72,888.00	-	-	-	-	72,888	-
ELIZABETH LAKE SUB	5546	66kV	-	-	3,072	3,071.64	-	-	-	-	-	3,072
CORUM SUB	5547	66kV	-	-	377,837	377,837.16	-	-	-	-	-	377,837
NEWBURY SUB	5557	66kV	-	-	682,055	682,054.57	-	-	-	-	-	682,055
GRISWOLD SUB	5562	66kV	-	-	6,559	6,558.65	-	-	-	-	-	6,559
GAVIOTA SUB	5572	66kV	-	-	118,097	118,096.82	-	-	-	-	-	118,097
RANDALL SUB	5601	66kV	-	20,403	56,150	76,552.48	-	-	-	-	20,403	56,150
TIMOTEO SUB	5604	66kV	-	1,760	-	1,759.71	-	-	-	-	1,760	-
ORANGE PRODUCTS SUB	5606	66kV	-	13,596	-	13,595.77	-	-	-	-	13,596	-
INLAND CONTAINER SUB	5612	66kV	-	20,750	-	20,750.40	-	-	-	-	20,750	-
DECLEZ SUB	5615	66kV	-	-	23,032	23,032.35	-	-	-	-	-	23,032
FLANCO SUB	5616	12kV	-	-	12,009	12,009.07	-	-	-	-	-	12,009
SAN ANTONIO SUB	5631	66kV	-	-	7,606	7,605.55	-	-	-	-	-	7,606
COLTON CEMENT SUB	5646	66kV	-	20,599	-	20,599.16	-	-	-	-	20,599	-
AMERON SUB	5652	66kV	-	-	531,131	531,131.29	-	-	-	-	-	531,131
NOGALES SUB	5655	66kV	-	-	524,852	524,852.40	-	-	-	-	-	524,852
WIMBLEDON SUB	5664	66kV	-	-	17,343	17,343.27	-	-	-	-	-	17,343
ARCHLINE SUB	5667	66kV	-	12,840	-	12,839.80	-	-	-	-	12,840	-
WHIPPLE SUB	5674	66kV	-	8,714	-	8,714	-	-	-	-	8,714	-
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
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
CHIUQUITA 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
LA VETA SUBSTATION	5835	66kV	-	-	52,151	52,151	-	-	-	-	-	52,151
OCEANVIEW SUBSTATION	5842	66kV	-	-	58,101	58,101	-	-	-	-	-	58,101
ORANGE SUBSTATION	5843	66kV	-	422,681	-	422,681	-	-	-	-	422,681	-
SANTA ANA SUBSTATION	5849	12kV	-	6,882	-	6,882	-	-	-	-	6,882	-
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	-	-
BORREGO SUBSTATION	5887	66kV	-	-	248,896	248,896	-	-	-	-	-	248,896
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	-	-
IMPERIAL COUNTY	7013	115kV	-	-	1,702	1,702	-	-	-	-	-	1,702
ROADWAY(CEP)	8000	115kV	110,643	512,122	10,097,384	10,720,149	23,630	109,374	2,156,490	87,013	402,749	7,940,894
PAUBA(CEP) SUB	8003	115kV	106,825	757,631	8,287,036	9,151,492	-	-	-	106,825	757,631	8,287,036
THORNHILL(CEP) SUB	8004	115kV	25,609	976,480	7,879,328	8,881,416	-	-	-	25,609	976,480	7,879,328
STADLER(CEP) SUB	8005	115kV	139,611	777,018	11,139,319	12,055,948	-	-	-	139,611	777,018	11,139,319
PAN AERO (CEP) SUB	8009	115kV	-	-	641,041	641,041	-	-	-	-	-	641,041
PHELAN(CEP) SUB	8010	115kV	154,446	741,408	5,707,899	6,603,752	-	-	-	154,446	741,408	5,707,899
BANWIND SUBSTATION	8011	115kV	-	-	8,940	8,940	-	-	-	-	-	8,940
APPLE VALLEY(CEP) SUB	8013	115kV	-	480,534	8,336,317	8,816,851	-	-	-	-	480,534	8,336,317

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
BUNKER(CEP) SUB	8014	115kV	969,397	1,286,080	14,052,329	16,307,806	-	-	-	969,397	1,286,080	14,052,329
FARREL(CEP) SUB	8016	115kV	-	606,706	10,812,546	11,419,252	-	-	-	-	606,706	10,812,546
CONCHO(CEP) SUB	8017	115kV	285,201	672,863	8,334,418	9,292,482	-	-	-	285,201	672,863	8,334,418
AULD(CEP) SUB	8018	33kV & Below	83,538	1,160,979	16,580,642	17,825,159	-	-	-	83,538	1,160,979	16,580,642
MAXWELL(CEP) SUB	8019	115kV	33,940	475,983	8,504,766	9,014,689	-	-	-	33,940	475,983	8,504,766
SAVAGE(CEP) SUB	8020	115kV	29,280	705,808	14,385,104	15,120,192	-	-	-	29,280	705,808	14,385,104
PEPPER(CEP) SUB	8021	115kV	17,579	425,246	8,034,729	8,477,553	-	-	-	17,579	425,246	8,034,729
YUCCA(CEP) SUB	8022	66kV	19,474	296,516	2,518,253	2,834,244	-	-	-	19,474	296,516	2,518,253
BLACK MOUNTAIN(CEP) SUB	8023	115kV	-	12,014	912,016	924,029	-	-	-	-	12,014	912,016
ALESSANDRO(CEP) SUB	8024	115kV	45,514	798,484	18,255,894	19,099,891	-	-	-	45,514	798,484	18,255,894
BAKER(CEP) SUB	8025	115kV	-	39,566	2,028,176	2,067,742	-	-	-	-	39,566	2,028,176
BANNING(CEP) SUB	8026	115kV	20,210	1,557,931	16,014,674	17,592,815	-	-	-	20,210	1,557,931	16,014,674
COTTONWOOD(CEP) SUB	8027	115kV	22,426	1,493,620	11,235,706	12,751,752	-	-	-	22,426	1,493,620	11,235,706
EDWARDS(CEP) SUB	8028	115kV	-	37,679	3,105,206	3,142,885	-	-	-	-	37,679	3,105,206
HI DESERT(CEP) SUB	8029	115kV	1,153,569	1,228,736	15,714,752	18,097,057	-	-	-	1,153,569	1,228,736	15,714,752
MOUNTAIN PASS(CEP) SUB	8030	115kV	-	15,922	4,666,035	4,681,958	-	-	-	-	15,922	4,666,035
RANDSBURG(CEP) SUB	8031	115kV	116	254,918	5,160,393	5,415,427	-	-	-	116	254,918	5,160,393
ROCKET TEST(CEP) SUB	8032	115kV	-	18,045	279,329	297,374	-	-	-	-	18,045	279,329
SEARLES(CEP) SUB	8033	115kV	-	50,564	2,909,044	2,959,608	-	-	-	-	50,564	2,909,044
ZANJA(CEP) SUB	8035	115kV	152,559	1,555,796	5,142,044	6,850,398	-	-	-	152,559	1,555,796	5,142,044
SANTA ROSA(CEP) SUB	8036	33kV & Below	44,689	355,051	14,494,518	14,894,258	-	-	-	44,689	355,051	14,494,518
NELSON(CEP) SUB	8038	115kV	22,819	711,129	13,808,987	14,542,935	-	-	-	22,819	711,129	13,808,987
HOMART(CEP) SUB	8039	115kV	174,875	389,821	4,829,423	5,394,119	-	-	-	174,875	389,821	4,829,423
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	2,165,631	23,731,449	25,924,950	-	-	-	27,870	2,165,631	23,731,449
GARNET SUB	8044	115kV	38,081	298,675	7,753,020	8,089,776	-	-	-	38,081	298,675	7,753,020
IID TIE SUB	8045	115kV	39,144	-	23,873	63,017	-	-	-	39,144	-	23,873
TIEFORT SUB	8047	115kV	-	218,704	1,416,998	1,635,702	-	-	-	-	218,704	1,416,998
USBR BLYTHE SUB	8048	161kV	-	64,707	7,781,757	7,846,464	-	-	-	-	64,707	7,781,757
PUREWATER SUB	8059	115kV	-	105,704	1,213,817	1,319,521	-	-	-	-	105,704	1,213,817
WHIRLWIND SUB	8060	500kV	-	36,820,267	149,311,052	186,131,319	-	36,820,267	149,311,052	-	-	-
SEAWIND T/S	8061	115kV	2,976	463	272,456	275,895	-	-	-	2,976	463	272,456
TIFFANYWIND SUB	8064	115kV	-	4,275	4,275	4,275	-	-	-	-	4,275	4,275
NUSED GALE	8067	115kV	-	-	9,758	9,758	-	-	-	-	-	9,758
CARODEAN	8072	115kV	-	2,025,164	10,133,006	12,158,170	-	-	-	-	2,025,164	10,133,006
IVYGLEN SUB	8073	115kV	166,697	1,041,418	7,984,071	9,192,186	-	-	-	166,697	1,041,418	7,984,071
COOL WATER SWITCHRACK 1,2	8074	115kV	-	-	2,531,538	2,531,538	-	-	-	-	-	2,531,538
HIGHGROVE SWITCHCRK	8075	115kV	7,139	178,624	1,866,006	2,051,769	-	-	-	7,139	178,624	1,866,006
SUN CITY(NEW)	8078	115kV	119,513	1,887,934	7,841,624	9,849,071	-	-	-	119,513	1,887,934	7,841,624
AQUEDUCT SUB	8079	115kV	2,880	906,434	9,098,044	10,007,358	-	-	-	2,880	906,434	9,098,044
BADLANDS SUB	8081	115kV	104,923	728,130	3,792,568	4,625,621	-	-	-	104,923	728,130	3,792,568
MENTONE SUB	8082	115kV	161,883	776,418	5,854,825	6,793,125	-	-	-	161,883	776,418	5,854,825
HIGHWIND SUB	8084	220kV	-	5,636,602	4,041,800	9,678,402	-	5,636,602	4,041,800	-	-	-
CAJALCO SUB	8086	115kV	25,836	244,940	9,615,122	9,885,898	-	-	-	25,836	244,940	9,615,122
HESPERIA SUB	8087	115kV	22,150	299,789	4,151,013	4,472,953	-	-	-	22,150	299,789	4,151,013
SKYLARK SUB	8088	115kV	81,206	307,101	9,461,117	9,849,424	-	-	-	81,206	307,101	9,461,117
MAYBERRY SUB	8089	115kV	23,090	358,861	12,641,196	13,023,146	-	-	-	23,090	358,861	12,641,196
PERMANENTE SUB	8090	115kV	-	-	87,113	87,113	-	-	-	-	-	87,113
ELCENTRO TELEMTERING	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	8,523,310	9,022,690	-	-	-	42,272	457,108	8,523,310
ARROWHEAD SUB	8094	115kV	-	297,399	5,006,813	5,304,213	-	-	-	-	297,399	5,006,813
STETSON SUB	8095	115kV	23,493	682,745	7,709,473	8,415,711	-	-	-	23,493	682,745	7,709,473
MARSHINO SUB	8096	115kV	27,809	1,576,175	9,201,331	10,805,316	-	-	-	27,809	1,576,175	9,201,331
DUNN SIDING SUB	8097	115kV	4,913	7,284	803,921	816,118	-	-	-	4,913	7,284	803,921
EISENHOWER SUB	8098	115kV	189,886	751,345	11,486,893	12,428,124	-	-	-	189,886	751,345	11,486,893
TAMARISK SUB	8099	115kV	125,967	379,583	11,997,043	12,502,593	-	-	-	125,967	379,583	11,997,043
AMARGO SUB	8102	33kV	-	-	20,739	20,739	-	-	-	-	-	20,739
BARSTOW SUB	8110	33kV & Below	-	6,894	66,837	73,732	-	-	-	-	6,894	66,837
BLYTHE SUB	8113	33kV & Below	-	8,306	423,685	431,991	-	-	-	-	8,306	423,685
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	-	6,894	-	-	-	-	6,894	-

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
DOWNNS SUB	8137	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-
GLEN IVY SUB	8152	33kV & Below	-	15,642	35,758	51,400	-	-	-	-	15,642	35,758
HELENDALE SUB	8163	33kV & Below	-	15,110	59,658	74,768	-	-	-	-	15,110	59,658
HINKLEY SUB	8167	33kV & Below	-	-	5,533	5,533	-	-	-	-	-	5,533
MINNEOLA SUB	8190	33kV & Below	-	-	5,725	5,725	-	-	-	-	-	5,725
MORENO SUB	8193	33kV & Below	-	16,207	114,338	130,545	-	-	-	-	16,207	114,338
MURRIETA 2 SUB	8195	33kV & Below	-	-	21,180	21,180	-	-	-	-	-	21,180
MURRIETA SUB	8196	33kV & Below	1,616,115	-	-	1,616,115	-	-	-	1,616,115	-	-
SOUTHCAP SUB.	8197	115kV	-	-	935,935	935,935	-	-	-	-	-	935,935
MUSCOY SUB	8198	33kV & Below	-	-	132,416	132,416	-	-	-	-	-	132,416
BELDING SUB	8204	33kV & Below	-	19,232	-	19,232	-	-	-	-	19,232	-
PALM CANYON SUB	8214	33kV & Below	-	30,644	-	30,644	-	-	-	-	30,644	-
LUCERNE SUB	8220	33kV & Below	-	13,167	-	13,167	-	-	-	-	13,167	-
RANCHO SUB	8222	33kV & Below	-	6,894	2,107	9,001	-	-	-	-	6,894	2,107
RIALTO SUB	8225	33kV & Below	-	17,716	30,776	48,492	-	-	-	-	17,716	30,776
RIDGECREST SUB	8226	33kV & Below	-	-	17,438	17,438	-	-	-	-	-	17,438
SAN JACINTO SUB	8234	33kV & Below	-	-	10,232	10,232	-	-	-	-	-	10,232
TEMESCAL SUB	8250	33kV & Below	-	-	4,236	4,236	-	-	-	-	-	4,236
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	-	6,894	20,988	27,882	-	-	-	-	6,894	20,988
GALE SUB	8283	33kV & Below	-	-	3,743,838	3,743,838	-	-	-	-	-	3,743,838
GOLD HILL SUB	8294	33kV & Below	-	6,894	-	6,894	-	-	-	-	6,894	-
TORTILLA SUB	8295	115kV	-	18,641	-	18,641	-	-	-	-	18,641	-
BUCKWIND	8301	115kV	-	4,640	748,412	753,051	-	-	-	-	4,640	748,412
CAPWIHND	8302	115kV	-	17,740	60,322	78,063	-	-	-	-	17,740	60,322
RENWIND	8303	115kV	-	15,102	827,360	842,462	-	-	-	-	15,102	827,360
SANWIND	8304	115kV	-	-	104,029	104,029	-	-	-	-	-	104,029
TRANSWIND	8305	115kV	-	25,366	790,725	816,091	-	-	-	-	25,366	790,725
VENWIND	8306	115kV	-	21,039	2,275,854	2,296,894	-	-	-	-	21,039	2,275,854
ALTWIND	8308	115kV	-	1,022	24,461	25,483	-	-	-	-	1,022	24,461
TERAWIND	8310	115kV	-	5,398	221,599	226,997	-	-	-	-	5,398	221,599
INDIGO SUBSTATION	8311	115kV	-	4,899	84,736	89,635	-	-	-	-	4,899	84,736
CALGEN	8312	115kV	532	1,600	12,970	15,102	-	-	-	532	1,600	12,970
MCGEN	8314	115kV	-	117,019	2,033,228	2,150,247	-	-	-	-	117,019	2,033,228
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	10,744,885	12,022,334	-	-	-	51,172	1,226,277	10,744,885
ELSINORE	8343	115kV	20,961	293,724	11,661,153	11,975,838	-	-	-	20,961	293,724	11,661,153
SOUTH BASE SUB	8344	115kV	12,179	145,172	1,878,913	2,036,264	-	-	-	12,179	145,172	1,878,913
INDIAN WELLS SUB	8345	115kV	222,600	827,991	12,779,243	13,829,834	-	-	-	222,600	827,991	12,779,243
PECHANGA SUB	8347	115kV	560,579	844,656	11,028,203	12,433,438	-	-	-	560,579	844,656	11,028,203
MORAGA	8348	115kV	40,720	147,235	16,988,504	17,176,460	-	-	-	40,720	147,235	16,988,504
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	-	-	29,688	29,688	-	-	-	-	-	29,688
COSO SUB	8361	115kV	91,119	1,641,131	4,571,361	6,303,611	-	-	-	91,119	1,641,131	4,571,361
MOVAL SUBSTATION	8362	115kV	-	27,981	379,782	407,763	-	-	-	-	27,981	379,782
PHARMACY SUBSTATION	8509	66kV	-	-	43,289	43,289	-	-	-	-	-	43,289
PLASTER SUBSTATION	8558	66kV	4,671	-	-	4,671	-	-	-	4,671	-	-
ONEIL SUBSTATION	8810	66kV	1,188,142	-	-	1,188,142	-	-	-	1,188,142	-	-
CONSTR FIELD FORCES	9009	Div Offices & Misc	-	-	527,316	527,316	-	-	-	-	-	527,316
BIRTCHE/GATEWAY BUS CTR	9158	Misc	-	11,424	-	11,424	-	-	-	-	11,424	-
REAL PROP-LAND SVCS-STHRN	9287	Misc	-	12,869	-	12,869	-	-	-	-	12,869	-

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
TELCOMM-ALHAMBRA	9310	Misc	327,844	-	-	327,844	-	-	-	327,844	-	-
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	1,261,408	1,261,642	-	-	-	-	234	1,261,408
ACTON SUB	5365	66kV	24,167	-	-	24,167	-	-	-	24,167	-	-
DEL SUR SUB	5508	66kV	-	-	784,749	784,749	-	-	-	-	-	784,749
GOLDTOWN SUB	5511	66kV	-	-	526,259	526,259	-	-	-	-	-	526,259
LANCASTER SUB	5514	66kV	-	-	1,358,307	1,358,307	-	-	-	-	-	1,358,307
LITTLE ROCK SUB	5518	66kV	-	-	1,715,969	1,715,969	-	-	-	-	-	1,715,969
SHUTTLE SUB	5522	66kV	-	3	1,034,512	1,034,515	-	-	-	-	3	1,034,512
REDMAN WUB	5530	66kV	-	-	276,828	276,828	-	-	-	-	-	276,828
ANAUVERDE SUB	5539	66kV	-	-	74,891	74,891	-	-	-	-	-	74,891
ROSAAMOND SUB	5541	66kV	-	-	653,314	653,314	-	-	-	-	-	653,314
PIUTE SUB	5545	66kV	-	-	140,209	140,209	-	-	-	-	-	140,209
OASIS SUB	5548	66kV	-	-	397,187	397,187	-	-	-	-	-	397,187
CAL CEMENT SUB	5553	66kV	-	4,529	374,460	378,988	-	-	-	-	4,529	374,460
PALMDALE SUB	5564	66kV	-	7	720,467	720,474	-	-	-	-	7	720,467
QUARTZ HILL SUB	5566	66kV	-	-	192,270	192,270	-	-	-	-	-	192,270
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	-	77,314	8,956,265	9,033,579	-	40,694	4,704,703	-	36,620	4,251,562
BIG CREEK NO.8	2229	220kV	-	282,649	2,338,173	2,620,822	-	228,151	1,885,179	-	54,498	452,994
BIG CREEK NO.3	2230	220kV	-	1,711,048	13,386,322	15,097,370	-	1,302,828	11,027,258	-	408,220	2,359,065
CONTROL STATION	2556	115kV	-	1,477,426	15,229,785	16,707,211	-	1,229,049	13,146,342	-	248,377	2,083,443
EAGLE ROCK SUB	5011	220kV	19,613	1,591,244	31,723,110	33,333,967	3,901	318,245	6,307,195	15,713	1,272,999	25,415,914
MESA SUB	5012	220kV	169,249	6,810,187	43,898,772	50,878,208	44,579	1,758,424	11,597,890	124,670	5,051,763	32,300,883
RIO HONDO SUB	5013	220kV	457,530	4,159,488	80,962,289	85,579,306	147,487	2,938,796	24,500,715	310,042	1,220,691	56,461,574
WALNUT SUB	5014	220kV	97,955	2,745,092	28,594,098	31,437,145	11,274	315,944	3,291,013	86,681	2,429,148	25,303,085
GOULD SUB	5015	220kV	29,300	747,406	26,726,415	27,503,121	13,019	332,656	11,874,533	16,282	414,750	14,851,882
LA FRESA SUB	5021	220kV	101,370	4,689,980	60,805,022	65,596,372	21,819	1,000,556	13,096,397	79,551	3,689,425	47,708,626
EL NIDO SUB	5023	220kV	285,620	3,757,980	29,819,687	33,863,287	88,842	1,168,923	8,962,974	196,778	2,589,057	20,856,713
LA CIENEGA SUB	5024	220kV	2,100,227	4,403,244	42,599,766	49,103,236	859,805	1,803,002	17,445,270	1,240,422	2,600,241	25,154,495
ALAMITOS SWITCHRACK SUB	5025	220kV	63,557	607,959	14,300,501	14,972,017	29,278	280,064	6,587,708	34,279	327,895	7,712,793
LG BCH SWITCHRACK SUB	5027	220kV	97,213	1,323,464	7,083,194	8,503,872	53,494	728,270	3,897,709	43,719	595,194	3,185,485
REDONDO SWITCHRACK SUB	5028	220kV	13,018	39,761	5,699,756	5,752,535	9,041	27,612	3,958,216	3,978	12,149	1,741,540
MAGUNDEN SUB	5031	220kV	8,363	2,525,198	15,032,588	17,566,148	7,859	2,373,783	14,125,534	504	151,415	907,054
RECTOR SUB	5033	220kV	394,843	13,236,905	110,277,627	123,909,376	224,486	7,713,378	62,881,794	170,358	5,523,528	47,395,833
SPRINGVILLE SUB	5034	220kV	12,198	970,313	26,487,618	27,470,129	4,190	285,320	9,146,876	8,008	17,340,741	17,340,741
VESTAL SUB	5035	220kV	7,243	1,423,659	28,524,372	29,955,274	2,552	502,052	10,050,258	4,691	921,607	18,474,114
EAGLE MT. SUB	5040	220kV	-	285,217	8,123,391	8,408,608	-	52,215	1,487,148	-	233,002	6,636,243
CIMA SUB	5043	220kV	1,824	17,123	3,069,876	3,088,823	223	2,094	375,376	1,601	15,029	2,694,501
MANDALAY SWITCHRACK SUB	5048	220kV	49,104	22,506	2,764,953	2,836,563	-	-	-	49,104	22,506	2,764,953
PARDEE SUB	5050	220kV	970,263	2,924,996	23,260,465	27,155,724	799,766	2,412,207	19,171,881	170,497	512,789	4,088,583
ANTELOPE SUB	5052	220kV	21,983	5,882,554	202,217,706	208,122,242	21,983	5,882,554	202,217,706	-	-	-
SANTA CLARA SUB	5053	220kV	140,739	2,345,987	45,892,901	48,379,626	37,195	619,954	12,128,607	103,545	1,726,033	33,764,293
GOLETA SUB	5055	220kV	236,194	992,167	25,822,785	27,051,145	94,316	396,150	10,311,508	141,878	596,017	15,511,277
MOORPARK SUB	5056	220kV	184,091	4,123,486	56,568,725	60,876,302	27,007	604,944	8,299,029	157,084	3,518,542	48,269,696
BAILEY SUB	5059	220kV	111,063	895,918	20,747,625	21,754,606	110,290	889,680	20,603,174	773	6,238	144,450
PADUA SUB	5060	220kV	149,547	3,289,869	42,973,614	46,413,031	34,753	758,494	9,992,685	114,794	2,531,375	32,980,929
CHINO SUB	5062	220kV	34,465	2,897,939	36,402,371	39,334,774	8,170	668,402	8,627,666	26,295	2,229,537	27,774,705
JULIAN HINDS SUB	5063	220kV	-	2,215	1,123,985	1,125,985	-	1,741	883,449	-	474	240,321
VISTA SUB	5064	220kV	52,109	8,622,328	65,585,930	74,260,368	9,643	1,645,599	12,093,188	42,466	6,976,729	53,492,742
DEVERS SUB	5067	500kV	286,984	22,106,195	195,934,047	218,327,226	240,928	18,081,260	164,967,079	46,056	4,024,935	30,966,968
MIRA LOMA SUB	5069	500kV	474,834	18,504,992	179,916,961	198,896,787	396,614	15,829,415	149,906,274	78,220	2,675,577	30,010,687
HINSON SUB	5071	220kV	678,278	558,157	24,819,380	26,055,815	156,141	125,962	5,195,069	522,137	432,195	19,624,311
LIGHTHIPE SUB	5073	220kV	164,680	11,010,581	35,797,405	46,972,665	58,199	3,891,190	12,719,124	106,481	7,119,390	23,078,281
LAGUNA BELL SUB	5074	220kV	131,263	1,584,608	50,044,569	51,760,440	33,140	396,304	12,718,322	98,122	1,188,305	37,326,247
DEL AMO SUB	5075	220kV	185,982	2,536,128	57,517,475	60,239,585	29,292	282,464	9,179,498	156,690	2,253,663	48,337,978
BARRE SUB	5081	220kV	86,188	2,791,567	59,128,017	62,005,772	28,441	907,582	19,525,080	57,747	1,883,985	39,602,937
VILLA PARK SUB	5082	220kV	270,570	3,673,686	31,276,819	35,221,075	62,068	841,116	7,218,951	208,502	2,832,571	24,057,868
VIEJO SUBSTATION	5083	220kV	13,285,971	8,577,560	34,709,062	56,572,593	3,190,513	2,059,318	8,335,595	10,095,459	6,518,241	26,373,467
CENTER SUB	5084	220kV	72,253	3,801,100	34,210,618	38,083,971	9,327	379,470	4,527,578	62,926	3,421,631	29,683,040
JOHANNA SUB	5085 & 5881	220kV	813,416	3,995,489	17,140,565	21,949,470	424,421	2,084,218	9,931,682	388,995	1,911,271	7,208,883

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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
ELLIS SUB	5086	220kV	59,737	1,978,234	70,726,716	72,764,688	15,475	490,532	18,385,939	44,262	1,487,702	52,340,777
OLINDA SUB	5087	220kV	390,538	2,059,234	27,097,804	29,547,576	61,761	325,654	4,285,338	328,777	1,733,580	22,812,466
SANTIAGO SUB	5088	220kV	557,976	2,769,966	71,303,787	74,631,729	198,949	1,418,535	24,993,593	359,027	1,351,431	46,310,194
ETIWANDA SWITCHRACK SUB	5096	220kV	186,144	3,872,137	46,975,733	51,034,014	43,562	906,164	10,993,336	142,582	2,965,973	35,982,397
EL CASCO SUBSTATION	8006	220kV	-	30,256,002	52,836,805	83,092,807	-	3,320,407	5,804,539	-	26,935,595	47,032,266
MIRAGE(CEP) SUB	8012	220kV	629,541	4,474,232	51,832,487	56,936,259	271,987	1,947,432	22,379,372	357,553	2,526,800	29,453,115
TORTILLA(CEP) SUB	8037	115kV	17,114	310,279	10,481,828	10,809,221	7,337	251,689	4,507,147	9,777	58,590	5,974,681
VICTOR SUB	8049	220kV	22,088	15,033,829	97,152,332	112,208,249	18,747	12,848,957	82,370,930	3,341	2,184,872	14,781,402
CHEVMAIN	8063	220kV	-	253,369	15,418,292	15,671,661	-	59,654	3,630,154	-	193,715	11,788,137
Inyokern (CEP) & Inyokern	5041 & 8040	115kV	7,964	110,457	11,955,487	12,073,908	3,182	44,138	4,777,250	4,782	66,319	7,178,237
Kramer & Kramer-Radial Line Agmt	5042 & 8046	220kV	48,811	1,013,586	27,842,361	28,904,759	33,401	694,730	17,704,450	15,410	318,856	10,137,911
Vincent	5054 & 8954	500kV	17,326,163	17,728,604	210,881,872	245,936,639	17,326,163	17,728,604	210,881,872	-	-	-
Valley & Valley - CEP	5070 & 8034	500kV	312,762	22,653,116	177,545,899	200,511,777	133,055	7,411,225	74,117,914	179,707	15,241,891	103,427,985
San Onofre Switchrack	8051-8055	220kV	-	-	-	-	-	-	-	-	-	-
San Bernardino-220kv Switchyard & 220kv to t	8076 & 1999	220kV	302,392	3,755,788	39,254,495	43,312,676	42,127	521,766	5,665,449	260,265	3,234,023	33,589,046
GREENWALD SUB	8339	115kV	-	10,350	8,152	18,502	-	-	-	-	10,350	8,152
IVANPAH SUB	8363	220kV	-	7,750,360	35,744,376	43,494,736	-	7,750,360	35,744,376	-	-	-
RED BLUFF SUB	8369	500kV	-	83,344,744	110,477,758	193,822,502	-	83,344,744	110,477,758	-	-	-
COLORADO RIVER SUB	8367	500kV	-	52,166,364	118,846,629	171,012,993	-	52,166,364	118,846,629	-	-	-
FOGARTY SUB	8346	66kV	-	4,309,895	15,675,512	19,985,407	-	-	-	-	4,309,895	15,675,512
MIDWAY-VINCENT LINES 1&2	4026	500kV	2,910,822	-	27,105	2,937,927	2,910,822	-	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	179,131	20,864	-	199,995	179,131	20,864	-	-	-	-
EAGLE ROCK-SYLMAR LNE	4046	220kV	186,657	-	-	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	1,450,194	278,181	98,475	1,826,850	1,410,246	405,910	95,762	39,948	(127,729)	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)	-	-
DEVERS-HINS LN, OTHERS	4104	220kV	1,331,335	-	-	1,331,335	1,261,091	17,428	-	70,245	(17,428)	-
33 AND 66 KV LINES	4105	66kV	32,238,878	1,462,414	1,071,634	34,772,926	219,035	15,957	7,281	32,019,843	1,446,457	1,064,354
COGEN/RENEW ENGY SOURCES	4106	115kV	563,121	-	-	563,121	-	-	-	563,121	-	-
ANTELOPE/MESA LINE, OTHER	4107	220kV	2,639,357	310,268	-	2,949,624	1,809,610	784,947	2,344	829,747	(474,680)	(2,344)
CHINO-SERRANO/SN ONFRE LN	4108	220kV	8,067,991	3,035,777	-	11,103,767	8,067,810	3,036,743	-	181	(967)	-
COACHELLA VALLEY - DEVERS 220 kV Line	4109	220kV	-	-	-	-	-	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	793,457	-	-	74	-	-
ALAMITOS-MESA LN, OTHERS	4114	220kV	3,210,534	533,210	661,182	4,404,926	3,063,711	514,378	630,945	146,824	18,832	30,237
HINSON-LIGHTHIPE 1&2	4115	220kV	1,607,024	531,635	2,149	2,140,808	1,607,024	531,635	2,149	-	-	-
HINSON-LAFRESA, OTHERS	4116	220kV	3,594,552	169,091	2,065	3,765,709	3,594,552	169,091	2,065	-	-	-
ELDRDO-CIMA-PISGAH LN1,2	4117	220kV	1,005,237	7,084	12,857	1,025,178	917,785	18,584	11,739	87,452	(11,500)	1,119
MRA LMA-VLL PK LNS, OTHR	4118	220kV	5,617,930	86,461	2,260	5,706,651	5,219,674	325,904	2,100	398,256	(239,444)	160
CENTER-MESA LN, OTHERS	4119	220kV	2,099,654	28,231	101	2,127,986	1,890,956	88,920	91	208,698	(60,688)	10
ALAMITOS-CENTER, OTHERS	4120	220kV	4,270,112	295,026	3,380	4,568,518	3,792,545	354,895	26,643	477,568	(59,869)	(23,263)
BIG CREEK 4-SPRNGVLL-MGDN	4121	220kV	-	281,784	-	281,784	-	55,314	-	-	(55,314)	-
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	-	485	-	-	485	-	-	-	485	-	-
GOLETA-SNTA CLARA, OTHERS	4125	220kV	11,418,532	1,064,843	1,918	12,485,293	8,495,792	797,524	1,427	2,922,740	267,318	491
NORTH BOULDER-MEAD, OTHER	4127	220kV	19,842	-	-	19,842	19,842	-	-	-	-	-
KERN RIVER3-VESTAL 66 KV	4129	66kV	34,937	-	-	34,937	-	-	-	34,937	-	-
MOHAVE-LUGO 500KV	4130	500kV	157,990	-	-	157,990	157,990	-	-	-	-	-
CUMMINGS-KERBN RIV1, OTHE	4132	-	3,146	-	-	3,146	-	-	-	3,146	-	-
BOREL-...-WALKER 66KV LN	4133	66kV	50,020	-	-	50,020	-	-	-	50,020	-	-
LUGO-VICTOR LNS, OTHER	4135	220kV	2,211,397	61	-	2,211,458	1,443,208	58,714	-	768,188	(58,653)	-
LUGO-ELDORADO LN	4136	500kV	1,330,373	-	-	1,330,373	-	-	-	-	-	-
LUGO-ELDORADO LN	4137	500kV	16,589	-	-	16,589	-	-	-	-	-	-
LUGO-MIRA LOMA 2&3	4138	500kV	9,592,056	364,060	98	9,956,214	9,592,538	1,062,710	98	(482)	(698,650)	(0)
SPRGVLL-TULE 66KV LN	4139	66kV	517	-	-	517	-	-	-	517	-	-
MOHAVE-LUGO 500 KV LN	4140	500kV	278,112	-	-	278,112	278,112	-	-	-	-	-
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

12-31-2014 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	3,855,423	-	1,880	3,857,303	3,855,423	-	1,880	-	-	-
MIRA LOMA-SERRANO LN	4148	500kV	1,695,891	-	-	1,695,891	1,695,891	-	-	-	-	-
SANTA ANA LNS 1,2,3	4149	-	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	-	-	-	-	-
MIDWAY-VINCENT LN 3	4155	500kV	5,826,541	-	-	5,826,541	5,826,541	-	-	-	-	-
ELLIS-SANTIAGO LNS 1,2	4156	220kV	12,019,808	-	-	12,019,808	12,019,808	-	-	-	-	-
RIO HONDO-VINCENT LN 2	4157	220kV	105,605	18,610	-	124,216	105,605	18,610	-	-	-	-
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)	(63,110)	-	-	-	-	-
BIG CRK 3-MAMMOTH POOL	4168	220kV	4,331	-	-	4,331	-	-	-	4,331	-	-
BIG CRK 1-RECTOR, OTHER	4169	220kV	5,655,134	-	2,701	5,657,835	5,512,047	-	2,633	143,086	-	68
DEVERS-PALO VERDE	4185	500kV	13,618,125	-	-	13,618,125	13,618,125	-	-	-	-	-
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	2,855,109	229,571	-	-	(221,528)	-
SERRANO-VILLA PK LN 1,2,3	4189	220kV	78,248	-	-	78,248	78,248	-	-	-	-	-
VARIOUS 66KV LINES	4200	66kV	-	465,310	-	465,310	-	-	-	-	465,310	-
E.MAGUNDEN-ANTELOPE 220KV	4207	220kV	-	25,798	-	25,798	-	-	-	-	25,798	-
EAGLE ROCK-MESA 220 KV LN	4301	220kV	-	288	-	288	-	-	-	-	288	-
ALL 66KV T/L-METRO REGION	4305	66kV	-	196	-	196	-	-	-	-	196	-
ANTELOPE-MESA 220 KV LN	4307	220kV	-	23,142	3,419	26,560	-	-	-	-	23,142	3,419
CENTER-MESA 220KV LN	4319	220kV	-	37,768	-	37,768	-	-	-	-	37,768	-
MIRA LOMA - VINCENT 500 KV LINE	4360	500kV	17,176,971	-	-	17,176,971	17,176,971	-	-	-	-	-
MESA-REDONDO 220KV LN	4414	220kV	-	5,819	-	5,819	-	-	-	-	5,819	-
CENTER MESA&OLINDA 220KV	4419	220kV	-	20,024	-	20,024	-	-	-	-	20,024	-
DEVERS-HINDS 220KV LNS	4504	220kV	-	18,399	-	18,399	-	-	-	-	18,399	-
33 & 66KV LNES IN ESTRN R	4505	66kV	-	56,378	-	56,378	-	-	-	-	56,378	-
ETIWANDA-PADUA 220KV LN	4518	220kV	-	263,373	-	263,373	-	-	-	-	263,373	-
MIRA LOMA-WALNUT 220KV LN	4519	220kV	-	12,710	-	12,710	-	-	-	-	12,710	-
LUGO-MIRA LOMA NO. 1&2	4538	500kV	-	698,596	-	698,596	-	-	-	-	698,596	-
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	-	138,939	-	138,939	-	-	-	-	138,939	-
33&66KV LNS IN NRTHEN T/S	4605	66kV	-	235,738	-	235,738	-	-	-	-	235,738	-
MOORPARK-PARDEE 200KV LN	4625	220kV	-	7,048	-	7,048	-	-	-	-	7,048	-
ANTELOPE-PARDEE	4644	220kV	3,934,890	-	-	3,934,890	3,934,890	-	-	-	-	-
EASTERN T/S REG	4700	500kV	33,305	10,543	1,233	45,081	-	-	-	33,305	10,543	1,233
CORONA-JEFFERSON 66 KV LN	4705	66kV	243,215	3,296	-	246,510	96,898	1,313	-	146,317	1,983	-
ANTELOPE-WINDHUB 500KV LN	4708	500kV	17,600,689	-	-	17,600,689	17,600,689	-	-	-	-	-
WINDHUB-HIGHWIND 230KV LN	4709	220kV	3,268,655	-	-	3,268,655	3,268,655	-	-	-	-	-
ANTELOPE - VINCENT #2 500KV	4712	500kV	11,885,452	-	-	11,885,452	11,885,452	-	-	-	-	-
CIMA-ELDO-PISGH	4717	220kV	-	13,271	-	13,271	-	-	-	-	13,271	-
COLWTR-KRMR;LUGO-VICTR220	4725	220kV	-	89,905	-	89,905	-	-	-	-	89,905	-
LEE VINING-LUNDY 55K 4771	4730	55kV	10,585	-	-	10,585	-	-	-	10,585	-	-
BISHOP CRK55&115KV LINES	4735	115kV	138	-	-	138	-	-	-	138	-	-
115 KV LNS, ESTN T/S REG	4750	115kV	14,304,214	2,902	173,059	14,480,175	4,021,890	68,466	48,602	10,282,324	(65,564)	124,458
DEVERS-SN BRDNO 220 KV LN	4756	220kV	1,079,577	-	-	1,079,577	1,080,551	-	-	(975)	-	-
BLYTHE-EAGLE MT 161 KV LN	4759	161kV	33,310	-	-	33,310	33,310	-	-	-	-	-
HOOVER-CLWTR 115 KV LN	4781	115kV	1,277	-	-	1,277	1,277	-	-	-	-	-
HOOVER-CLWTR 115 KV LN	4782	115kV	165,196	-	-	165,196	165,128	-	-	68	-	-
SAN JACINTO REGION 115KV	4950	115kV	-	185,419	-	185,419	-	-	-	-	185,419	-
DEVERS-VALLEY 500KV	4987	500kV	-	6,441	-	6,441	-	-	-	-	6,441	-
BIG CREEK 4-MGNDN 220KV	4221	220kV	-	55,314	-	55,314	-	-	-	-	55,314	-
COACHELLA VALLEY - DEVERS 220 kv Line	4509	220kV	-	25,255	-	25,255	-	-	-	-	25,255	-
ANTELOPE-MAGUNDEN 220KV	4707	220kV	-	811,454	-	811,454	-	-	-	-	811,454	-
ANTELOPE-WHIRLWIND 500KV LN	4710	500kV	14,906,015	-	-	14,906,015	14,906,015	-	-	-	-	-
BARRE 1&2-VILLA PARK 220K	4818	220kV	-	937	-	937	-	-	-	-	937	-
ELLIS-HNGTN BCH#1-4 220KV	4820	220kV	-	44,239	26,618	70,857	-	-	-	-	44,239	26,618
VALLEY-SERRANO 500 KV LN	4988	500kV	-	221,528	-	221,528	-	-	-	-	221,528	-
TOTAL TRANSMISSION SUBSTATIONS			\$ 319,967,462	\$ 619,674,675	\$ 4,892,229,010	\$ 5,831,871,147	\$ 234,074,212	\$ 422,004,002	\$ 2,859,442,432	\$ 85,893,251	\$ 197,670,673	\$ 2,032,786,577

SOUTHERN CALIFORNIA EDISON COMPANY

12-31-2014 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										
Recalc based on all other TS locations																						
Allocation % to use																						
MOUNTAINVIEW POWER-COMMON	1250	220kV	-	-	23,588,992	23,588,992	73.16%	-	68.10%	58.45%	26.84%	31.90%	41.55%									
PALOVERDE-SWITCHYARD	1869	500kV	-	2,465,520	7,901,074	10,366,594	-	1,679,041	4,618,072	-	-	786,479	3,283,002									
PV UNIT 1-INCREMENTAL	1870	500kV	-	-	194,959	194,959	-	-	113,951	-	-	-	81,008									
BIG CREEK NO.2	2212	220kV	-	-	1,516,246	1,516,246	-	-	886,225	-	-	-	630,020									
BIG CREEK NO.2A	2234	220kV	-	-	1,031,434	1,031,434	-	-	602,859	-	-	-	428,575									
KERN RIVER NO.1	2313	66kV	-	4,184	354,262	358,446	-	2,849	207,062	-	-	1,335	147,201									
White Mountain Radio	2594	55kV	-	-	1,913,162	1,913,162	-	-	1,118,218	-	-	-	794,944									
ELLWD ENGY SPPT FAC-GS TB	3020		-	-	9,063	9,063	-	-	5,297	-	-	-	3,766									
MET T/S REGION	4300	Transmission Line	-	131,348	14,696	146,044	-	89,449	8,589	-	-	41,899	6,106									
COASTAL T/S REGION	4400	Transmission Line	3,127	-	12,363	15,490	2,288	-	7,226	839	-	-	5,137									
ALL 66KV T/L-COASTAL REGN	4405	66kV	-	10,170	-	10,170	-	6,926	-	-	-	3,244	-									
ALAMITOS-CENTER....	4420	220kV	-	60,319	-	60,319	-	41,078	-	-	-	19,241	-									
EASTERN T/S REGION	4500	Transmission Line	-	78,929	21,657	100,585	-	53,751	12,658	-	-	25,178	8,999									
ISO 115KV T/L	4513	115kV	16,850	-	-	16,850	12,326	-	-	4,523	-	-	-									
NRTHN T/S REGION	4600	Transmission Line	-	1,888,842	-	1,888,842	-	1,286,319	-	-	-	602,524	-									
LUGO-VICTORVILLE 500KV	4754	500kV	-	51,478	-	51,478	-	35,057	-	-	-	16,421	-									
HUMAN EXTERNAL CARGO TRAINING SITE	4799		-	321,805	-	321,805	-	219,152	-	-	-	102,653	-									
VAR. TRANS. LINES-S/E DIV	4800	Transmission Line	2,931	48,457	3,630	55,017	2,144	32,999	2,122	787	15,457	-	1,508									
S/E DIV., 66KV LINES	4805	66kV	-	118,500	-	118,500	-	80,700	-	-	-	37,800	-									
VARIOUS 220KV LINES	4808	220kV	-	1,035	-	1,035	-	705	-	-	-	330	-									
SUBSTN DIV	5000	Misc	-	-	3,270,205	3,270,205	-	-	1,911,391	-	-	-	1,358,814									
NO. T/S REG OFC/VALENCIA	5038	Misc	123,342	3,713,424	-	3,836,766	90,232	2,528,875	-	33,110	1,184,549	-	-									
METRO REGION	5100	33kV & Below	-	-	293,239	293,239	-	-	171,394	-	-	-	121,845									
NEENACH SUB	5556	66kV	-	-	424,900	424,900	-	-	248,348	-	-	-	176,552									
BARSTOW NO RGN-SAN BERDOO	6072	CSTM SRVC FAC.	-	7,617	-	7,617	-	5,187	-	-	-	2,430	-									
VENTURA COUNTY	7056		-	-	74,798	74,798	-	-	43,718	-	-	-	31,080									
B&A-T/S 3RD FLOOR-GO3	9010	Misc	-	-	823	823	-	-	481	-	-	-	342									
CHINO OFC BLDG (FACILITY)	9024		-	373,558	-	373,558	-	254,396	-	-	-	119,162	-									
TRANS/SUB SUPPORT SERV	9047	Div Offices & Misc	-	-	58,218,037	58,218,037	-	-	34,027,664	-	-	-	24,190,373									
IRVINE OPER CENTER	9078	Misc	-	8,245	-	8,245	-	5,615	-	-	-	2,630	-									
FUELS	9203	Misc	-	-	341,890	341,890	-	-	199,830	-	-	-	142,060									
INNOVATION VILLAGE 1	9221		-	-	1,509,815	1,509,815	-	-	882,466	-	-	-	627,348									
CONTROL SYS SEC-ALHAMBRA	9243	Div Offices & Misc	-	-	2,962,532	2,962,532	-	-	1,731,560	-	-	-	1,230,971									
TELECOMM-ALHAMBRA	9330		-	-	121,940	121,940	-	-	71,272	-	-	-	50,668									
CONWAY SUMMIT COMM SITE	9339		-	-	14,380	14,380	-	-	8,405	-	-	-	5,975									
CHINO-VILLA PARK 220KV LN	9999	220kV	-	-	4,718	4,718	-	-	2,758	-	-	-	1,960									
Total Locations Reclac'd			\$	146,249	\$	9,283,430	\$	103,798,812	\$	113,228,491	\$	106,990	\$	6,322,099	\$	60,669,017	\$	39,260	\$	2,961,331	\$	43,129,794

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

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CIRCUIT N	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	A C C O U N T N O.										TOTAL
		NO.	Combined			350	352	353	354	355	356	357	358	359		
<u>ANSMISSION LINES</u>																
CELILO-SYLMAR HV DC - CALIF.		4031	4031	336.1775	336.18	0	95,841	0	30,113,750	0	13,750,175	0	0	136,841	44,096,607	
CELILO-SYLMAR HV DC - NEVADA		4034	4034	289.7250	289.73	0	541	0	7,698,607	0	5,631,427	0	0	668,871	13,999,446	
TOTAL CELILO-SYLMAR				625.9025	625.90	0	96,382	0	37,812,357	0	19,381,602	0	0	805,712	58,096,053	
TOTAL 1000kV T/L'S				625.9025	625.90	0	96,382	0	37,812,357	0	19,381,602	0	0	805,712	58,096,053	
<u>ANSMISSION LINES</u>																
ANTELOPE-VINCENT No.1 & 2		4712	4712	34.8200	34.82	11,885,452	0	0	167,403,599	6,869,130	48,167,959	0	0	0	234,326,139	
ANTELOPE-WHIRLWIND		4710	4710	14.4900	14.49	14,906,015	0	0	40,424,916	0	38,323,914	0	0	2,258,042	95,912,887	
ANTELOPE-WINDHUB		4708	4708	25.4500	25.45	17,600,689	0	0	17,224,539	30,818,084	20,217,815	0	0	0	85,861,127	
COLORADO RIVER-PALO VERDE - CALIF.		4185	4185	16.3000	243.10											
COLORADO RIVER-PALO VERDE - ARIZONA		4186	4186	112.3000	112.30											
TOTAL COLORADO RIVER-PALO VERDE				128.6000	355.40											
COLORADO RIVER-RED BLUFF No. 1 & 2		4185	4185	64.2000	243.10											
DEVERS-RED BLUFF No. 1 & 2		4185	4185	162.6000	243.10											
DEVERS-PALO VERDE - CALIF.		4185	4185	243.1000	243.10	13,618,125	0	0	289,852,423	1,124,864	131,800,287	0	1,151,660	466,690	438,014,049	
DEVERS-PALO VERDE - ARIZONA		4186	4186	112.3000	112.30	1,193,710	0	0	21,348,981	0	24,561,685	0	0	147,245	47,251,622	
TOTAL DEVERS-PALO VERDE				355.4000	355.40	14,811,835	0	0	311,201,404	1,124,864	156,361,972	0	1,151,660	613,935	485,265,671	
DEVERS-VALLEY No. 1 & 2		4187	4187	83.2024	83.20	10,444,073	32,102	0	203,213,109	15	66,227,956	0	0	16,001,375	295,918,629	
ELDORADO-LUGO - CALIF.		4136	4136	150.6686	150.67	1,330,373	0	0	15,130,347	2,050,363	10,632,416	0	0	117,747	29,261,246	
ELDORADO-LUGO - NEVADA		4137	4137	26.5090	26.51	16,589	0	0	2,027,936	0	4,417,655	0	0	20,088	6,482,269	
TOTAL ELDORADO-LUGO				177.1776	177.18	1,346,962	0	0	17,158,283	2,050,363	15,050,071	0	0	137,835	35,743,515	
ELDORADO-MCCULLOUGH (SCE PORTION)		N/A	N/A	0.6000											N/A	
ELDORADO-MOENKOPH (SCE PORTION)		4143	4143	29.6458	29.65	6,167	0	0	2,817,441	0	1,880,705	0	0	145,064	4,849,378	
ELDORADO-MOHAVE		4141	4141	59.3947	59.39	76,199	0	0	2,229,841	0	1,251,359	0	0	55,916	3,613,315	
LAUGHLIN-MOHAVE (SCE PORTION)		N/A	N/A	0.2200											N/A	
LUGO-MOHAVE - NEVADA		4130	4130	9.8530	9.85	157,990	0	0	420,632	0	517,455	0	0	19,051	1,115,128	
LUGO-MOHAVE - CALIF.		4140	4140	165.9571	165.96	278,112	0	0	11,654,656	1,513,721	10,310,625	0	0	329,333	24,086,446	
TOTAL LUGO-MOHAVE				175.8101	175.81	436,101	0	0	12,075,288	1,513,721	10,828,080	0	0	348,384	25,201,574	
LUGO-MIRA LOMA No.2		4138	4138	30.5887	97.51	3,009,130	333,367	31	8,266,895	37,093	5,788,508	0	0	185,548	17,620,572	
LUGO-MIRA LOMA No. 3		4138	4138	31.4223	97.51	3,091,134	342,452	32	8,492,183	38,104	5,946,256	0	0	190,605	18,100,766	
LUGO-RANCHO VISTA		4138	4138	27.7600	97.51	2,730,863	302,539	28	7,502,421	33,663	5,253,221	0	0	168,390	15,991,126	
MIRA LOMA-RANCHO VISTA		4138	4138	7.7400	97.51	761,410	84,353	8	2,091,800	9,386	1,464,686	0	0	46,950	4,458,593	
TOTAL LUGO-MIRA LOMA				97.5110	97.51	9,592,538	1,062,710	98	26,353,300	118,246	18,452,672	0	0	591,493	56,171,057	
LUGO-VICTORVILLE (SCE PORTION)		4154	4154	7.5735	7.57	748,912	0	0	1,302,220	0	759,625	0	0	0	2,810,757	
LUGO-VINCENT No. 1		4123	4123	47.1644	94.39	874,196	0	8,311	4,124,144	48,774	3,595,719	0	0	945	8,652,089	
LUGO-VINCENT No. 2		4123	4123	47.2224	94.39	875,271	0	8,322	4,129,215	48,834	3,600,141	0	0	946	8,662,729	
MIDWAY-VINCENT No. 1		4026	4026	112.6978	225.49	1,454,773	0	13,546	9,948,741	42,661	11,465,681	0	0	397,593	23,322,995	
MIDWAY-VINCENT No. 2		4026	4026	112.7967	225.49	1,456,049	0	13,558	9,957,471	42,698	11,475,743	0	0	397,942	23,343,463	

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

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CIRCUIT NAME	OPERATING VOLTAGE	LOCATION		CIRCUIT	TOTAL ACCT.	ACCOUNT NO.										TOTAL			
		NO.	Combined	Ident	MILES	CIRCUIT MILES	350	352	353	354	355	356	357	358	359				
VINCENT-WHIRLWIND		4155	4155			36.4549													
MIDWAY-WHIRLWIND (SCE PORTION)		4155	4155			23.7900													
MIDWAY-VINCENT No. 3		4155	4155			60.2449	60.24			5,826,541	0	0	20,227,372	442	7,791,159	0	0	187,772	34,033,286
MIRA LOMA-SERRANO No. 1 & 2		4148	4148			39.4600	39.46			1,695,891	0	0	19,866,140	0	7,820,475	0	0	252,983	29,635,489
MIRA LOMA-VINCENT		4360	4360			48.6100	48.61			17,176,971	0	0	374,187,261	28,765,053	111,669,956	0	0	23,610,004	555,409,244
SERRANO-VALLEY		4188	4188			40.5209	40.52			2,855,109	229,571	0	23,191,181	768,917	14,833,343	0	0	2,513,624	44,391,746
WHIRLWIND-WINDHUB		4711	4711			16.1300	16.13			0	0	0	58,252,715	-10,509	16,963,397	0	0	0	75,205,603
MIRA LOMA SUBSTATION		5069	5069							Refer Substation Study	Refer Substation Study	Refer Substation Study	0	98,999	0	0	0	0	98,999
VALLEY SUB		5070	5070							Refer Substation Study	Refer Substation Study	Refer Substation Study	0	0	0	0	0	0	0
SERRANO SUB		5080	5080							Refer Substation Study	Refer Substation Study	Refer Substation Study	0	0	0	0	0	2,236,590	2,236,590
EL DORADO SUB		5090	5090							Refer Substation Study	Refer Substation Study	Refer Substation Study	0	0	0	0	0	92,479	92,479
SYLMAR-PAC INTERTIE		8958	8958							Refer Substation Study	Refer Substation Study	Refer Substation Study	2,505,376	0	359,913	0	0	0	2,865,290
TOTAL 500kV T/L/S						1,586,1422	2,331,1537	114,069,742	1,324,383	43,836	1,325,288,180	72,201,294	566,737,745	0	1,151,660	47,513,853	2,128,330,694		
220kV TRANSMISSION LINES																			
ANTELOPE-PARDEE		4644	4644			26.3900	26.39			3,934,890	0	0	85,892,178	7,668,801	39,517,961	0	0	3,093,212	140,107,042
<i>Built as 500kV energized as 220</i>																			
ALAMITOS-BARRE No. 1		4120	4120			15.3496	150.09			436,694	40,864	3,068	936,227	90,507	829,427	26	0	3,418	2,340,231
ALAMITOS-BARRE No. 2		4120	4120			15.3995	150.09			438,114	40,997	3,078	939,271	90,801	832,123	26	0	3,429	2,347,839
ALAMITOS-CENTER		4120	4120			11.4696	150.09			326,308	30,535	2,292	699,572	67,629	619,768	20	0	2,554	1,748,678
ALAMITOS-LIGHTHIPE		4120	4120			11.8379	150.09			336,787	31,515	2,366	722,036	69,800	639,670	20	0	2,636	1,804,830
ANTELOPE-MAGUNDEN No. 1		4107	4107			59.2509	270.79			577,514	250,506	748	1,792,335	0	1,447,902	0	0	183,022	4,252,027
ANTELOPE-MAGUNDEN No. 2		4107	4107			59.2683	270.79			577,684	250,580	748	1,792,862	0	1,448,327	0	0	183,075	4,253,276
BAILEY-PARDEE		4101	4101			26.9003	354.28			110,112	31,694	7,477	1,697,099	115,554	2,358,470	0	0	87,459	4,407,864
BAILEY-PASTORIA		4101	4101			12.3979	354.28			50,749	14,607	3,446	782,164	53,257	1,086,979	0	0	40,308	2,031,511
BARRE-DEL AMO		4120	4120			9.7000	150.09			275,964	25,824	1,939	591,638	57,195	524,147	17	0	2,160	1,478,881
BARRE-ELLIS No. 1		4120	4120			12.7415	150.09			362,493	33,921	2,547	777,148	75,128	688,495	22	0	2,837	1,942,591
BARRE-ELLIS No. 2		4120	4120			12.7415	150.09			362,493	33,921	2,547	777,148	75,128	688,495	22	0	2,837	1,942,591
BARRE-ELLIS No. 3		4120	4120			12.7320	150.09			362,224	33,896	2,545	776,571	75,072	687,984	22	0	2,835	1,941,147
BARRE-ELLIS No. 4		4120	4120			12.7225	150.09			361,954	33,871	2,543	775,993	75,017	687,472	22	0	2,833	1,939,704
BARRE-LEWIS		4118	4118			5.0154	154.94			177,360	11,074	71	581,015	16,398	461,388	0	0	5,688	1,252,994
BARRE-VILLA PARK		4118	4118			8.9922	154.94			317,992	19,855	128	1,041,712	29,400	827,230	0	0	10,198	2,246,515
BIG CREEK 1-BIG CREEK 2		4169	4169			4.4926	372.22			68,256	0	33	169,550	188,277	171,586	0	0	1,281	598,982
BIG CREEK 1-RECTOR		4169	4169			74.3496	372.22			1,129,584	0	540	2,805,947	3,115,863	2,839,633	0	0	21,203	9,912,770
BIG CREEK 2-BIG CREEK 3		4169	4169			7.4074	372.22			112,540	0	54	279,555	310,431	282,911	0	0	2,112	987,602

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**
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CIRCUIT N	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	A C C O U N T N O.										TOTAL	
		NO.	Combined			Ident	350	352	353	354	355	356	357	358	359		
BIG CREEK 2-BIG CREEK 8		4166	4166		1.7038	9.03		-11,911	0	0	30,963	0	25,750	0	0	0	44,802
BIG CREEK 3-BIG CREEK 4		4111	4111		5.7906	5.79		1,944	0	0	133,734	0	284,487	0	0	29,429	449,593
BIG CREEK 3-BIG CREEK 8		4166	4166		7.3234	9.03		-51,199	0	0	133,088	0	110,681	0	0	0	192,569
BIG CREEK 3-RECTOR No. 1 BIG CREEK 3-RECTOR No. 2 BIG CREEK 3-RECTOR		4169	4169		64.3300												
		4169	4169		74.5900												
		4169	4169		138.9200	372.22		2,110,594	0	1,008	5,242,828	5,821,896	5,305,769	0	0	39,618	18,521,713
RECTOR-SPRINGVILLE		4113	4113		47.6700	99.30		380,952	0	0	10,069,451	20,386,140	12,491,555	0	0	8,632,263	51,960,361
BIG CREEK 4-SPRINGVILLE		4121	4121		83.5204	135.41		173,799	34,116	0	1,234,281	114,861	1,266,069	0	0	88,630	2,911,756
CENTER-DEL AMO		4120	4120		6.1864	150.09		176,002	16,470	1,236	377,331	36,477	334,287	11	0	1,377	943,191
CENTER-MESA		4119	4119		12.4612	131.30		199,276	9,371	10	1,909,875	8,084	1,811,326	0	0	181,014	4,118,955
CENTER-OLINDA		4119	4119		18.7746	131.30		300,238	14,118	14	2,877,503	12,180	2,729,025	0	0	272,724	6,205,802
CHEVMAIN-EL NIDO		4116	4116 OH OH		1.2466	90.45		49,023	2,306	28	44,331	150,931	94,176	0	0	185	340,980
CHEVMAIN-EL NIDO		4116	4116 UG UG		0.4763	0.95		18,731	881	11	0	0	0	90,294	228,414	71	338,402
TOTAL CHEVMAIN-EL NIDO					1.7229	91.41		67,754	3,187	39	44,331	150,931	94,176	90,294	228,414	256	679,381
CHEVMAIN-EL SEGUNDO		4116	4116 OH		1.7776	90.45		69,905	3,288	40	63,214	215,221	134,290	0	0	264	486,223
CHINO-MIRA LOMA No.1		4117	4117		9.2967	334.26		27,958	566	358	669,466	146,555	335,920	0	0	4,204	1,185,026
CHINO-MIRA LOMA No. 2		4118	4118		6.6849	154.94		236,399	14,760	95	774,420	21,856	614,972	0	0	7,581	1,670,084
CHINO-MIRA LOMA No. 3		4118	4118		6.7911	154.94		240,155	14,995	97	786,723	22,204	624,742	0	0	7,701	1,696,616
CHINO-SERRANO		4108	4108		24.8393	169.56		1,181,888	444,865	0	2,067,731	227,365	2,072,962	0	0	66,526	6,061,337
CHINO-VIEJO		4108	4108		25.6000	169.56		1,218,083	458,489	0	2,131,055	234,328	2,136,446	0	0	68,563	6,246,964
CIMA-ELDORADO-PISGAH No. 1 - CALIF.		4117	4117		82.4176	334.26		247,855	5,019	3,170	5,934,982	1,299,244	2,978,017	0	0	37,271	10,505,559
CIMA-ELDORADO-PISGAH No. 1 - NEVADA		4127	4127		26.9238	85.09		6,279	0	0	204,931	131,853	173,969	0	0	1,647	518,679
TOTAL CIMA-ELDORADO-PISGAH No.1					109.3414	419.35		254,134	5,019	3,170	6,139,914	1,431,097	3,151,986	0	0	38,918	11,024,237
CIMA-ELDORADO-PISGAH No. 2 - CALIF.		4117	4117		82.6810	334.26		248,647	5,035	3,180	5,953,950	1,303,396	2,987,535	0	0	37,390	10,539,134
CIMA-ELDORADO-PISGAH No. 2 - NEVADA		4127	4127		27.0283	85.09		6,303	0	0	205,726	132,365	174,644	0	0	1,653	520,692
TOTAL CIMA-ELDORADO-PISGAH No.2					109.7093	419.35		254,950	5,035	3,180	6,159,677	1,435,761	3,162,178	0	0	39,044	11,059,825
COACHELLA VALLEY-DEVERS (SCE PORTION)		4109	4109		0.3826	0.38		0	25,255	0	0	0	0	0	0	0	25,255
DEL AMO-HINSON		4115	4115		6.0440	27.07		358,848	118,714	480	803,685	111,220	475,028	0	0	6,122	1,874,096
DEL AMO-HINSON		4120	4120		6.2167	150.09		176,864	16,550	1,242	379,179	36,656	335,924	11	0	1,384	947,811
TOTAL DEL AMO-HINSON					12.2607	177.16		535,712	135,264	1,722	1,182,863	147,876	810,952	11	0	7,506	2,821,907
DEL AMO-LAGUNA BELL		4114	4114		6.9956	129.55		173,362	29,106	35,702	730,732	7,987	522,813	0	0	16,425	1,516,127
DEL AMO-LAGUNA BELL		4120	4120		6.2091	150.09		176,648	16,530	1,241	378,715	36,611	335,513	11	0	1,383	946,652
TOTAL DEL AMO-LAGUNA BELL					13.2047	279.65		350,010	45,637	36,943	1,109,447	44,598	858,326	11	0	17,807	2,462,779
DEVERS-MIRAGE No. 1		4104	4104 OH		15.1600	158.71		127,137	1,757	0	1,363,223	1,457,339	1,255,081	0	0	28,969	4,233,506

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

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CIRCUIT NAME	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	ACCOUNT NO.										TOTAL
		NO.	Combined			350	352	353	354	355	356	357	358	359		
DEVERS-MIRAGE No. 2		4104	4104 OH	15.1600	158.71	127,137	1,757	0	1,363,223	1,457,339	1,255,081	0	0	28,969	4,233,506	
DEVERS-SAN BERNARDINO		4104	4104 OH	43.2000	158.71	362,291	5,007	0	3,884,646	4,152,839	3,576,485	0	0	82,549	12,063,817	
DEVERS-EL CASCO		4104	4104 OH	2.3289	158.71	19,531	270	0	209,422	223,880	192,809	0	0	4,450	650,362	
DEVERS-EL CASCO		4756	4756	27.3011	120.31	244,987	0	0	1,579,167	128,936	1,044,900	0	0	27,068	3,025,059	
TOTAL DEVERS-EL CASCO				29.6300	279.02	264,518	270	0	1,788,589	352,817	1,237,709	0	0	31,519	3,675,421	
EL CASCO-SAN BERNARDINO		4104	4104 OH	1.0902	158.71	9,143	126	0	98,032	104,800	90,255	0	0	2,083	304,439	
EL CASCO-SAN BERNARDINO		4756	4756	12.7798	120.31	114,680	0	0	739,219	60,356	489,125	0	0	12,671	1,416,050	
TOTAL EL CASCO-SAN BERNARDINO				13.8700	279.02	123,823	126	0	837,250	165,156	579,380	0	0	14,754	1,720,489	
DEVERS-VISTA No. 1		4104	4104 OH	4.9871	158.71	41,824	578	0	448,452	479,413	412,877	0	0	9,530	1,392,673	
DEVERS-VISTA No. 1		4756	4756	40.2981	120.31	361,616	0	0	2,330,949	190,318	1,542,338	0	0	39,955	4,465,176	
TOTAL DEVERS-VISTA No. 1				45.2852	279.02	403,440	578	0	2,779,401	669,731	1,955,215	0	0	49,484	5,857,849	
DEVERS-VISTA No. 2		4104	4104 OH	4.9856	158.71	41,811	578	0	448,317	479,268	412,753	0	0	9,527	1,392,254	
DEVERS-VISTA No. 2		4756	4756	40.0364	120.31	359,268	0	0	2,315,812	189,082	1,532,322	0	0	39,695	4,436,179	
TOTAL DEVERS-VISTA No. 2				45.0220	279.02	401,079	578	0	2,764,129	668,351	1,945,075	0	0	49,222	5,828,433	
EAGLE ROCK-MESA		4101	4101	2.5350	354.28	10,377	2,987	705	159,929	10,889	222,255	0	0	8,242	415,383	
EAGLE ROCK-MESA		4114	4114	22.0610	129.55	546,707	91,789	112,590	2,304,401	25,189	1,648,718	0	0	51,796	4,781,189	
TOTAL EAGLE ROCK-MESA				24.5960	483.83	557,084	94,775	113,294	2,464,331	36,078	1,870,973	0	0	60,038	5,196,572	
EAGLE ROCK-PARDEE		4101	4101	46.6608	354.28	190,999	54,975	12,970	2,943,758	200,438	4,090,961	0	0	151,705	7,645,806	
EAGLE ROCK-PARDEE		4114	4114	4.6021	129.55	114,047	19,148	23,487	480,716	5,255	343,936	0	0	10,805	997,394	
TOTAL EAGLE ROCK-PARDEE				51.2629	483.83	305,046	74,123	36,457	3,424,475	205,692	4,434,897	0	0	162,510	8,643,200	
EAGLE ROCK-SYLMAR		4046	4046	1.7900	1.79	186,657	0	0	214,409	0	62,108	0	0	0	463,174	
EAGLE ROCK-SYLMAR		4101	4101	23.6785	354.28	96,924	27,898	6,582	1,493,840	101,714	2,076,000	0	0	76,984	3,879,942	
TOTAL EAGLE ROCK-SYLMAR				25.4685	356.07	283,581	27,898	6,582	1,708,249	101,714	2,138,108	0	0	76,984	4,343,117	
EL NIDO-EL SEGUNDO		4116	4116 OH OH	2.9001	90.45	114,048	5,365	66	103,131	351,127	219,091	0	0	430	793,258	
EL NIDO-EL SEGUNDO		4116	4116 UG UG	0.4763	0.95	18,731	881	11	0	0	90,294	228,414	71	338,402	0	
TOTAL EL NIDO-EL SEGUNDO				3.3764	91.41	132,778	6,246	76	103,131	351,127	219,091	90,294	228,414	501	1,131,659	
EL NIDO-LA CIENEGA		4116	4116 OH	8.7009	90.45	342,167	16,096	197	309,416	1,053,454	657,318	0	0	1,291	2,379,937	
EL NIDO-LA FRESA No. 3		4116	4116 OH	3.8702	90.45	152,197	7,160	87	137,630	468,581	292,378	0	0	574	1,058,607	
EL NIDO-LA FRESA No. 4		4116	4116 OH	3.9963	90.45	157,156	7,393	90	142,114	483,849	301,904	0	0	593	1,093,099	
EL DORADO-IVANPAH No.1 - CALIF.		4733	4733	5.1600	10.32	0	0	0	12,641,358	0	10,286,746	0	0	0	22,928,104	
EL DORADO-IVANPAH No.2 - CALIF.		4733	4733	5.1600	10.32	0	0	0	12,641,358	0	10,286,746	0	0	0	22,928,104	
EL DORADO-IVANPAH No.1 - NEVADA		4734	4734	29.2400	58.48	0	0	0	24,283,335	0	82,062,363	0	0	1,081,721	107,427,419	
ELDORADO-IVANPAH No.2 - NEVADA		4734	4734	29.2400	58.48	0	0	0	24,283,335	0	82,062,363	0	0	1,081,721	107,427,419	
TOTAL EL DORADO-IVANPAH				68.8000	68.80	0	0	0	73,849,384	0	184,698,217	0	0	2,163,443	260,711,044	
ELDORADO-MEAD No. 1		4144	4144	15.2908	30.64	4,988	0	0	236,417	152,095	214,227	0	0	511	608,238	
ELDORADO-MEAD No. 2		4144	4144	15.3451	30.64	5,006	0	0	237,257	152,635	214,988	0	0	513	610,398	
ELDORADO-MERCHANT No. 1		4102	4102	0.3028	8.43	52,689	0	0	146,266	19,438	107,923	0	0	0	326,317	
ELDORADO-MERCHANT No. 2		4102	4102	0.3098	8.43	53,909	0	0	149,651	19,888	110,420	0	0	0	333,868	
ELLIS-JOHANNA		4156	4156	6.3964	29.49	2,606,839	0	0	490,731	1,404,683	644,417	0	0	8,298	5,154,969	
ELLIS-SANTIAGO		4156	4156	14.7556	29.49	6,013,613	0	0	1,132,048	3,240,408	1,486,580	0	0	19,143	11,891,791	
ETIWANDA-RANCHO VISTA No.1		4119	4119	0.4581												
MIRA LOMA-RANCHO VISTA No.1 & 2		4118	4118	13.7800												
ETIWANDA-MIRA LOMA		4119	4119	14.2381	131.30	227,692	10,707	11	2,182,213	9,237	2,069,612	0	0	206,826	4,706,296	
ETIWANDA-RANCHO VISTA No.2		4118	4118	0.4572												
PADUA-RANCHO VISTA No.1 & 2		4117	4117	29.0800												
ETIWANDA-PADUA		4118	4118	29.5372	154.94	1,044,528	65,218	420	3,421,771	96,572	2,717,252	0	0	33,496	7,379,258	
ETIWANDA-SAN BERNARDINO		4104	4104 OH	8.3015	158.71	69,619	962	0	746,490	798,028	687,273	0	0	15,863	2,318,236	
ETIWANDA-SAN BERNARDINO		4118	4118	25.5295	154.94	902,803	56,369	363	2,957,495	83,469	2,348,566	0	0	28,952	6,378,017	
TOTAL ETIWANDA-SAN BERNARDINO				33.8310	313.65	972,423	57,331	363	3,703,985	881,497	3,035,839	0	0	44,815	8,696,253	
ETIWANDA-VISTA		4118	4118	15.3224	154.94	541,848	33,832	218	1,775,041	50,097	1,409,572	0	0	17,376	3,827,984	
GOLETA-SANTA CLARA No. 1		4125	4125	49.3959	414.75	1,359,934	127,661	228	3,716,152	58,611	1,644,289	0	0	212,134	7,119,010	
GOLETA-SANTA CLARA No. 2		4125	4125	49.3932	414.75	1,359,859	127,654	228	3,715,949	58,608	1,644,200	0	0	212,123	7,118,621	
GOODRICH-GOULD		4114	4114	8.6743	129.55	214,963	36,091	44,270	906,082	9,904	648,269	0	0	20,366	1,879,945	
GOODRICH-LAGUNA BELL		4114	4114	13.9123	129.55	344,769	57,885	71,002	1,453,222	15,885	1,039,729	0	0	32,664	3,015,155	

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

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CIRCUIT N	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	A C C O U N T N O.										TOTAL
		NO.	Combined			Ident	350	352	353	354	355	356	357	358	359	
GOULD-SYLMAR		4101	4101	27.4202	354.28	112,240	32,306	7,622	1,729,898	117,787	2,404,052	0	0	89,149	4,493,055	
HARBORGEN-HINSON		4102	4102	3.0157	8.43	524,683	0	0	1,456,523	193,566	1,074,701	0	0	0	3,249,474	
HARBORGEN-LONG BEACH		4102	4102	1.1515	8.43	200,342	0	0	556,151	73,910	410,359	0	0	0	1,240,763	
HINSON-LA FRESA		4115	4115	5.2326	27.07	310,673	102,777	415	695,791	96,289	411,256	0	0	5,300	1,622,501	
HINSON-LA FRESA		4116	4116 OH	8.8286	90.45	347,188	16,332	199	313,957	1,068,915	666,965	0	0	1,310	2,414,867	
TOTAL HINSON-LA FRESA				14.0612	117.52	657,861	119,109	615	1,009,748	1,165,204	1,078,221	0	0	6,610	4,037,367	
HIGHWIND-WINDHUB		4709	4709	9.6000	9.60	3,268,655	0	0	33,222,617	0	12,131,835	0	11,017,487	0	59,640,593	
HINSON-LIGHTHIPE		4115	4115	6.3531	27.07	377,200	124,785	504	844,786	116,908	499,321	0	0	6,435	1,969,940	
HOOVER-MEAD No. 2 (No. Boulder-Mead)		4127	4127	15.7220	85.09	3,666	0	0	119,668	76,995	101,588	0	0	962	302,879	
HOOVER-MEAD No. 3 (So. Boulder-Mead)		4127	4127	15.4147	85.09	3,595	0	0	117,329	75,490	99,602	0	0	943	296,959	
JOHANNA-SANTIAGO		4156	4156	8.3410	29.49	3,399,356	0	0	639,921	1,831,728	840,329	0	0	10,821	6,722,155	
JULIAN HINDS-MIRAGE		4104	4104 OH	46.8175	158.71	392,629	5,426	0	4,209,940	4,500,592	3,875,974	0	0	89,462	13,074,022	
KRAMER-LUGO No. 1		4135	4135	47.8634	206.15	414,070	16,846	0	1,932,034	238,504	1,415,886	0	0	22,760	4,040,100	
KRAMER-LUGO No. 2		4135	4135	47.8559	206.15	414,005	16,843	0	1,931,731	238,467	1,415,664	0	0	22,757	4,039,467	
LA CIENEGA-LA FRESA		4116	4116 OH	11.8874	90.45	467,477	21,991	269	422,732	1,439,257	898,045	0	0	1,763	3,251,533	
LA FRESA-LAGUNA BELL		4114	4114	7.0995	129.55	175,937	29,539	36,233	741,585	8,106	530,578	0	0	16,669	1,538,645	
LA FRESA-LAGUNA BELL		4116	4116 OH	9.7578	90.45	383,730	18,051	220	347,001	1,181,417	737,162	0	0	1,447	2,669,029	
TOTAL LA FRESA-LAGUNA BELL				16.8573	220.01	559,667	47,590	36,453	1,088,585	1,189,523	1,267,740	0	0	18,116	4,207,674	
LA FRESA-REDONDO No. 1		4116	4116 OH	4.5290	90.45	178,105	8,378	102	161,057	548,345	342,148	0	0	672	1,238,807	
LA FRESA-REDONDO No. 2		4116	4116 OH	4.5295	90.45	178,125	8,379	102	161,075	548,405	342,185	0	0	672	1,238,944	
LAGUNA BELL-RIO HONDO		4114	4114	16.0436	129.55	397,586	66,752	81,879	1,675,848	18,318	1,199,010	0	0	37,668	3,477,063	
LAGUNA BELL-VELASCO		4114	4114	2.4922	129.55	61,761	10,369	12,719	260,325	2,846	186,253	0	0	5,851	540,124	
LEWIS-SERRANO No.1		4118	4118	7.3176	154.94	258,773	16,157	104	847,716	23,925	673,177	0	0	8,298	1,828,151	
LEWIS-SERRANO No. 2		4118	4118	7.2975	154.94	258,063	16,113	104	845,387	23,859	671,328	0	0	8,276	1,823,129	
LEWIS-VILLA PARK		4118	4118	4.0154	154.94	141,997	8,866	57	465,169	13,128	369,394	0	0	4,554	1,003,165	
LIGHTHIPE-LONG BEACH		4115	4115	9.4371	27.07	560,304	185,360	749	1,254,873	173,659	741,708	0	0	9,559	2,926,213	
LIGHTHIPE-MESA		4114	4114	12.1787	129.55	301,808	50,672	62,155	1,272,137	13,905	910,169	0	0	28,594	2,639,439	
LIGHTHIPE-REDONDO		4116	4116 OH	14.2136	90.45	558,956	26,294	321	505,455	1,720,900	1,073,780	0	0	2,108	3,887,813	
LUGO-PISGAH No. 1		4117	4117	65.6600	334.26	197,460	3,998	2,526	4,728,249	1,035,075	2,372,510	0	0	29,693	8,369,511	
LUGO-PISGAH No. 2		4117	4117	65.1296	334.26	195,865	3,966	2,505	4,690,054	1,026,713	2,353,345	0	0	29,453	8,301,902	
LUGO-VICTOR No. 1		4135	4135	10.8441	206.15	93,813	3,817	0	437,728	54,036	320,788	0	0	5,157	915,339	
LUGO-VICTOR No. 2		4135	4135	10.8550	206.15	93,907	3,820	0	438,168	54,091	321,111	0	0	5,162	916,259	
MAGUNDEN-PASTORIA No. 1		4101	4101	29.8591	354.28	122,224	35,180	8,300	1,883,765	128,264	2,617,881	0	0	97,079	4,892,691	

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**
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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	
MAGUNDEN-PASTORIA No. 2		4101	4101	29.8591	354.28	122,224	35,180	8,300	1,883,765	128,264	2,617,881	0	0	97,079	4,892,691	
MAGUNDEN-PASTORIA No. 3		4101	4101	29.8727	354.28	122,279	35,196	8,303	1,884,623	128,322	2,619,073	0	0	97,123	4,894,920	
MAGUNDEN-SPRINGVILLE No. 1		4113	4113	51.6183	99.30	412,505	0	0	10,903,460	22,074,636	13,526,176	0	0	9,347,236	56,264,013	
MAGUNDEN-SPRINGVILLE No. 2		4121	4121	51.8933	135.41	107,985	21,197	0	766,890	71,366	786,640	0	0	55,068	1,809,146	
MAGUNDEN-VESTAL No. 1		4169	4169	35.6115	372.22	541,041	0	258	1,343,975	1,492,416	1,360,109	0	0	10,156	4,747,955	
MAGUNDEN-VESTAL No. 2		4169	4169	35.6164	372.22	541,115	0	258	1,344,160	1,492,621	1,360,296	0	0	10,157	4,748,609	
MESA-REDONDO		4114	4114	12.0899	129.55	299,607	50,302	61,702	1,262,861	13,804	903,533	0	0	28,385	2,620,194	
MESA-REDONDO		4116	4116 OH	14.2151	90.45	559,015	26,297	321	505,508	1,721,081	1,073,893	0	0	2,108	3,888,224	
TOTAL MESA-REDONDO				26.3050	220.01	858,622	76,599	62,023	1,768,369	1,734,885	1,977,426	0	0	30,494	6,508,418	
MESA-RIO HONDO		4107	4107	10.9291	270.79	106,525	46,207	138	330,604	0	267,072	0	0	33,759	784,306	
MESA-VINCENT		4107	4107	18.8137	270.79	183,376	79,542	238	569,113	0	459,747	0	0	58,114	1,350,129	
MESA-VINCENT		4114	4114	17.4792	129.55	433,163	72,725	89,206	1,825,805	19,957	1,306,299	0	0	41,039	3,788,195	
TOTAL MESA-VINCENT				36.2929	400.34	616,538	152,268	89,444	2,394,918	19,957	1,766,046	0	0	99,153	5,138,324	
MESA-WALNUT		4119	4119	13.7337	131.30	219,626	10,328	11	2,104,905	8,910	1,996,294	0	0	199,499	4,539,571	
MIRA LOMA-OLINDA		4119	4119	24.9716	131.30	399,339	18,778	19	3,827,290	16,200	3,629,804	0	0	362,743	8,254,174	
MIRA LOMA-VISTA No. 1		4118	4118	15.6296	154.94	552,712	34,510	222	1,810,629	51,101	1,437,833	0	0	17,725	3,904,732	
MIRA LOMA-VISTA No. 2		4118	4118	15.4693	154.94	547,043	34,156	220	1,792,059	50,577	1,423,086	0	0	17,543	3,864,684	
MIRA LOMA-WALNUT		4119	4119	27.6524	131.30	442,210	20,794	21	4,238,165	17,939	4,019,478	0	0	401,684	9,140,292	
MIRAGE-RAMON (SCE PORTION)		4104	4104 OH	0.0563	158.71	472	7	0	5,058	5,407	4,657	0	0	107	15,708	
MOORPARK-PARDEE No. 1		4125	4125	25.9572	414.75	714,636	67,085	120	1,952,812	30,800	864,063	0	0	111,475	3,740,990	
MOORPARK-PARDEE No. 2		4125	4125	25.9909	414.75	715,563	67,172	120	1,955,347	30,840	865,184	0	0	111,620	3,745,847	
MOORPARK-PARDEE No. 3		4125	4125	25.9958	414.75	715,698	67,185	120	1,955,716	30,846	865,347	0	0	111,641	3,746,553	
MOORPARK-SANTA CLARA No. 1		4125	4125	25.5692	414.75	703,953	66,082	118	1,923,622	30,339	851,147	0	0	109,809	3,685,071	
MOORPARK-SANTA CLARA No. 2		4125	4125	25.6882	414.75	707,230	66,390	119	1,932,575	30,481	855,108	0	0	110,320	3,702,221	
OLINDA-WALNUT		4119	4119	6.4143	131.30	102,576	4,823	5	983,092	4,161	932,365	0	0	93,175	2,120,198	
PARDEE-PASTORIA		4101	4101	38.7677	354.28	158,690	45,676	10,776	2,445,795	166,532	3,398,938	0	0	126,043	6,352,448	
PARDEE-PASTORIA-WARNE		4101	4101 *	38.4602	354.28	157,431	45,313	10,690	2,426,395	165,211	3,371,978	0	0	125,043	6,302,061	
PARDEE-SANTA CLARA		4125	4125	40.3103	414.75	1,109,795	104,180	186	3,032,624	47,831	1,341,848	0	0	173,116	5,809,580	
PARDEE-SYLMAR No. 1		4045	4045	6.4972	13.00	89,553	10,430	0	350,752	0	226,563	0	0	19,000	696,298	
PARDEE-SYLMAR No. 1		4101	4101	4.9856	354.28	20,408	5,874	1,386	314,534	21,416	437,110	0	0	16,209	816,937	
TOTAL PARDEE-SYLMAR No. 1				11.4828	367.28	109,960	16,304	1,386	665,286	21,416	663,673	0	0	35,209	1,513,235	
PARDEE-SYLMAR No. 2		4045	4045	6.4991	13.00	89,579	10,434	0	350,855	0	226,629	0	0	19,006	696,502	
PARDEE-SYLMAR No. 2		4101	4101	4.9902	354.28	20,427	5,879	1,387	314,824	21,436	437,513	0	0	16,224	817,691	
TOTAL PARDEE-SYLMAR No. 2				11.4893	367.28	110,005	16,313	1,387	665,679	21,436	664,142	0	0	35,230	1,514,192	
PARDEE-VINCENT		4051	4051	3.9228	7.35	0	0	0	168,754	0	109,288	0	0	77,517	355,559	
PARDEE-VINCENT (IDLE)		4051	4051	3.4311	7.35	0	0	0	147,602	0	95,589	0	0	67,801	310,992	
PARDEE-VINCENT		4101	4101	27.9975	354.28	114,604	32,986	7,782	1,766,319	120,267	2,454,666	0	0	91,026	4,587,651	

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

\$

CIRCUIT N	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	A C C O U N T N O.										TOTAL				
		NO.	Combined			Ident	350	352	353	354	355	356	357	358	359					
PARDEE-VINCENT (IDLE)		4101	4101		0.1364	354.28		558		161		38	8,605		586	11,959	0	0	443	22,350
TOTAL PARDEE-VINCENT					35.4878	361.63		115,162		33,147		7,820	2,091,281		120,853	2,671,502	0	0	236,787	5,276,552
RECTOR-VESTAL No. 1		4169	4169		33.2042	372.22		504,467		0		241	1,253,123		1,391,530	1,268,167	0	0	9,469	4,426,999
RECTOR-VESTAL No. 2		4169	4169		33.2031	372.22		504,450		0		241	1,253,082		1,391,484	1,268,125	0	0	9,469	4,426,852
RIO HONDO-VINCENT No. 1		4107	4107		32.3628	270.79		315,438		136,826		409	978,972		0	790,843	0	0	99,966	2,322,454
RIO HONDO-VINCENT No. 2		4070	4070		4.4240	4.42		61,040		0		0	344,764		0	232,146	0	0	11,892	649,842
RIO HONDO-VINCENT No. 2		4107	4107		5.0348	270.79		49,074		21,287		64	152,302		0	123,034	0	0	15,552	361,313
RIO HONDO-VINCENT No. 2		4157	4157		20.5722	20.57		105,605		18,610		0	1,994,781		0	3,584,786	0	0	537,026	6,240,809
TOTAL RIO HONDO-VINCENT No. 2					30.0310	295.78		215,719		39,897		64	2,491,847		0	3,939,966	0	0	564,471	7,251,964
SAN BERNARDINO-VISTA		4104	4104 OH OH		8.2454	158.71		69,149		956		0	741,446		792,635	682,628	0	0	15,756	2,302,569
SAN BERNARDINO-VISTA (IDLE)		4104	4104 UG UG		0.0415	0.04		348		5		0	0		0	0	1,480	260,160	79	262,072
TOTAL SAN BERNARDINO-VISTA					8.2869	158.75		69,497		960		0	741,446		792,635	682,628	1,480	260,160	15,835	2,564,641
SAN ONOFRE-SANTIAGO No. 1		4108	4108		28.3606	169.56		1,349,436		507,931		0	2,360,859		259,597	2,366,832	0	0	75,957	6,920,612
SAN ONOFRE-SANTIAGO No. 2		4108	4108		28.3580	169.56		1,349,312		507,884		0	2,360,643		259,573	2,366,615	0	0	75,950	6,919,977
SAN ONOFRE-SERRANO		4108	4108		40.3503	169.56		1,919,922		722,663		0	3,358,933		369,344	3,367,431	0	0	108,068	9,846,363
SAN ONOFRE-VIEJO		4108	4108		22.0500	169.56		1,049,169		394,910		0	1,835,537		201,833	1,840,181	0	0	59,056	5,380,686
SANTA CLARA-VINCENT		4059	4059		2.7390	2.74		13,002		0		0	333,663		0	202,343	0	0	20,953	569,961
SANTA CLARA-VINCENT		4125	4125		40.2859	414.75		1,109,123		104,117		186	3,030,789		47,802	1,341,036	0	0	173,011	5,806,063
SANTA CLARA-VINCENT		4147	4147		27.4832	27.48		3,855,423		0		1,880	2,767,070		0	1,983,887	0	0	145,187	8,753,447
TOTAL SANTA CLARA-VINCENT					70.5081	444.97		4,977,548		104,117		2,066	6,131,522		47,802	3,527,266	0	0	339,150	15,129,471
SERRANO-VILLA PARK No. 1		4189	4189		3.2422	6.50		39,045		0		0	759,195		0	697,163	0	0	0	1,495,404
SERRANO-VILLA PARK No. 2		4189	4189		3.2553	6.50		39,203		0		0	762,263		0	699,980	0	0	0	1,501,446
GOULD SUBSTATION		5015	5015					Refer Substation Study	Refer Substation Study	Refer Substation Study		0			0	0	0	0	1,418	1,418
SANTA CLARA SUBSTATION		5053	5053					Refer Substation Study	Refer Substation Study	Refer Substation Study		0			0	0	0	0	6,071	6,071
VIEJO SUBSTATION		5083	5083					Refer Substation Study	Refer Substation Study	Refer Substation Study		0			0	0	2	0	0	2
TOTAL 220kV T/L'S					3,433,2439	27,551.76		74,317,181		7,207,330		779,776	418,779,075		109,775,865	439,360,565	182,298	11,734,475	30,782,633	1,092,919,198
161kV TRANSMISSION LINES																				
EAGLE MOUNTAIN-BLYTHE		4759	4759		53.0211	53.02		33,310		0		0	0		2,058,985	331,263	0	0	4,845	2,428,403
TOTAL 161kV T/L'S					53.0211	53.02		33,310		0		0	0		2,058,985	331,263	0	0	4,845	2,428,403
115kV TRANSMISSION LINES																				
CONTROL-HAIWEE-INYOKERN		4750	4750 OH *		125.6203	1,626.86		1,086,097		18,489		13,125	332,499		10,675,576	3,860,824	0	0	139,886	16,126,496
CONTROL-COSO-HAIWEE-INYOKERN		4750	4750 OH *		125.6165	1,626.86		1,086,064		18,488		13,124	332,489		10,675,252	3,860,707	0	0	139,882	16,126,006
CONTROL-INYO (DWP)		4750	4750 OH		2.8636	1,626.86		24,758		421		299	7,580		243,357	88,010	0	0	3,189	367,614
COOLWATER-SEGS 2-TORTILLA		4750	4750 OH *		11.2649	1,626.86		97,395		1,658		1,177	29,817		957,326	346,217	0	0	12,544	1,446,133
IVANPAH-BAKER-COOLWATER-DUNN SIDING-MOUNTAIN PASS		4781	4781 *		20.6228	20.62		1,277		0		0	98,307		43,204	94,968	0	0	1,376	239,133
IVANPAH-BAKER-COOLWATER-DUNN SIDING-MOUNTAIN PASS		4782	4782 *		73.0869	73.12		165,128		0		0	327,659		1,573,271	719,393	0	0	21,660	2,807,111
TOTAL ELDO-BAK-CLWTR-DUNN-MT.PASS					93.7097	93.74		166,405		0		0	425,966		1,616,475	814,361	0	0	23,037	3,046,243
KRAMER-COOL WATER		4750	4750 OH		44.3188	1,626.86		383,175		6,523		4,630	117,305		3,766,339	1,362,097	0	0	49,352	5,689,421
KRAMER-INYOKERN-RANDBURG No. 1		4750	4750 OH *		48.3831	1,626.86		418,314		7,121		5,055	128,063		4,111,735	1,487,010	0	0	53,878	6,211,175
KRAMER-INYOKERN-RANDBURG No. 3		4135	4135 *		49.4058	206.15		427,413		17,389		0	1,994,294		246,190	1,461,513	0	0	23,494	4,170,293
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	1,626.86		301,043		5,125		3,638	92,161		2,959,039	1,070,137	0	0	38,773	4,469,916

**ISO TRANSMISSION LINES BY
OPERATING VOLTAGE / CIRCUIT NAME
AS OF DECEMBER 31, 2014**

\$

CIRCUIT N	OPERATING VOLTAGE	LOCATION		CIRCUIT MILES	TOTAL ACCT. CIRCUIT MILES	A C C O U N T N O.									TOTAL
		NO.	Combined			350	352	353	354	355	356	357	358	359	
KRAMER-TORTILLA		4750	4750 OH	37.6233	1,626.86	325,286	5,537	3,931	99,583	3,197,336	1,156,317	0	0	41,896	4,829,886
KRAMER-VICTOR		4750	4750 OH OH	34.5508	1,626.86	298,721	5,085	3,610	91,451	2,936,223	1,061,885	0	0	38,474	4,435,450
KRAMER-VICTOR		4750	4750 UG UG	0.1200	13.80	1,038	18	13	0	0	0	34,903	108,178	134	144,283
TOTAL KRAMER-VICTOR				34.6708	1,640.66	299,759	5,103	3,622	91,451	2,936,223	1,061,885	34,903	108,178	38,608	4,579,732
TOTAL 115kV T/L/S						608,2961	14,955.44	4,615,708	85,854	48,602	3,651,208	41,384,847	16,569,079	34,903	67,062,917
66kV TRANSMISSION LINES															
ANTELOPE-NEENACH		4105	4105 OH	17.3617	4,636.32	112,693	8,210	3,746	205,110	1,798,727	610,366	0	0	7,404	2,746,257
BAILEY-NEENACH-WESTPAC		4105	4105 OH *	16.3831	4,636.32	106,341	7,747	3,535	193,549	1,697,335	575,961	0	0	6,987	2,591,455
TOTAL 66kV T/L/S				33.7448	9,272.64	219,034.64	15,957.42	7,280.83	398,658.80	3,496,061.93	1,186,326.92	0.00	0.00	14,391.46	5,337,712
55kV TRANSMISSION LINES															
CONTROL-SILVER PEAK "A" - CALIF		4705	4705 OH *	17.5400	105.29	40,432	548	0	0	672,308	342,128	0	0	5,959	1,061,374
CONTROL-SILVER PEAK "C" - CALIF		4705	4705 OH *	24.4962	105.29	56,466	765	0	0	938,939	477,812	0	0	8,323	1,482,306
TOTAL 55kV T/L/S				42.0361	210.58	96,898	1,313	0	0	1,611,247	819,940	0	0	14,282	2,543,680
GRAND TOTAL				6,382,3868	55,000.49	193,351,874	8,731,219	879,495	1,785,929,479	230,528,301	1,044,386,531	217,201	12,994,314	79,700,254	3,356,718,657

Indicates only the portion of the circuit that is considered under ISO control.

**TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2014**

OPERATING VOLTAGE /		ACCOUNT NO.										TOTAL	CIRCUIT MILES						
Location	Line Name	350	352	353	354	355	356	357	358	359									
<u>1000 kV TRANSMISSION LINES</u>																			
4031	DWP-EDSN CELILO-SYLMR LN		\$95,841	\$	30,113,750	\$	13,750,175		\$	136,841	\$	44,096,607	336.18						
4034	DWP-EDSN CELILO-SYLMR LN		\$541	\$	7,698,607	\$	5,631,427		\$	668,871	\$	13,999,446	289.73						
TOTAL 1000kV T/L'S		\$0	\$96,382	\$0	\$	37,812,357	\$	-	\$	19,381,602	\$	-	\$	805,712	\$	58,096,053	625.90		
<u>500 kV TRANSMISSION LINES</u>																			
4026	MIDWAY-VINCENT LINES 1&2	\$2,910,822		\$27,105	\$	19,906,212	\$	85,359	\$	22,941,425		\$	795,535	\$	46,666,458	225.49			
4123	LUGO-VINCENT LINES 1&2	\$1,749,466		\$16,633	\$	8,253,359	\$	97,609	\$	7,195,860		\$	1,891	\$	17,314,818	94.39			
4130	MOHAVE-LUGO 500KV	\$157,990		\$		420,632	\$		\$	517,455		\$	19,051	\$	1,115,128	9.85			
4136	LUGO-ELDORADO LN	\$1,330,373		\$		15,130,347	\$	2,050,363	\$	10,632,416		\$	117,747	\$	29,261,246	150.67			
4137	LUGO-ELDORADO LN	\$16,589		\$		2,027,936	\$		\$	4,417,655		\$	20,088	\$	6,482,269	26.51			
4138	LUGO-MIRA LOMA 2&3	\$9,592,056	\$1,062,657	\$98	\$	26,351,975	\$	118,240	\$	18,451,745		\$	591,464	\$	56,168,234	97.51			
4140	MOHAVE-LUGO 500 KV LN	\$278,112		\$		11,654,656	\$	1,513,721	\$	10,310,625		\$	329,333	\$	24,086,446	165.96			
4141	MOHAVE-ELDORADO LN	\$76,199		\$		2,229,841	\$		\$	1,251,359		\$	55,916	\$	3,613,315	59.39			
4143	ELDORADO-BORDER 500 KV LN	\$6,167		\$		2,817,441	\$		\$	1,880,705		\$	145,064	\$	4,849,378	29.65			
4148	MIRA LOMA-SERRANO LN	\$1,695,891		\$		19,866,140	\$		\$	7,820,475		\$	252,983	\$	29,635,489	39.46			
4154	LUGO-VICTORVLL EDSON-DWP	\$748,912		\$		1,302,220	\$		\$	759,625		\$		\$	2,810,757	7.57			
4155	VINCENT-WHIRLWIND & MIDWAY-WHIRL	\$5,826,541		\$		20,227,372	\$	442	\$	7,791,159		\$	187,772	\$	34,033,286	60.24			
4158	LUCERNE-LUGO/MIRA LOMA LN	\$498,252										\$		\$	498,252	-			
4185	DEVERS-PALO VERDE	\$13,618,125		\$		289,852,423	\$	1,124,864	\$	131,800,287		\$	1,151,660	\$	466,690	\$	438,014,049	243.10	
4186	DEVERS-PALO VERDE	\$1,193,710		\$		21,348,981	\$		\$	24,561,685		\$	147,245	\$	47,251,622	112.30			
4187	DEVERS-VALLEY LNS 1,2	\$10,444,073	\$32,102	\$		203,213,109	\$	15	\$	66,227,956		\$	16,001,375	\$	295,918,629	83.20			
4188	SERRANO-VALLEY LN	\$2,855,109	\$229,571	\$		23,191,181	\$	768,917	\$	14,833,343		\$	2,513,624	\$	44,391,746	40.52			
4191	VALLEY-INLAND 500KV TL			\$		3,058	\$	12,338	\$	4,980		\$		\$	20,377	0.92			
4360	MIRA LOMA - VINCENT 500 KV LINE	\$17,176,971		\$		374,187,261	\$	28,765,053	\$	111,669,956		\$	23,610,004	\$	555,409,244	48.61			
4708	ANTELOPE-WINDHUB 500KV LN	\$17,600,689		\$		17,224,539	\$	30,818,084	\$	20,217,815		\$		\$	85,861,127	25.45			
4710	ANTELOPE-WHIRLWIND 500KV LN	\$14,906,015		\$		40,424,916	\$		\$	38,323,914		\$	2,258,042	\$	95,912,887	14.49			
4711	WHIRLWIND-WINDHUB 500KV L			\$		58,252,715	\$	(\$10,509)	\$	16,963,397		\$		\$	75,205,603	16.13			
4712	ANTELOPE - VINCENT #2 500KV	\$11,885,452		\$		167,403,599	\$	6,869,130	\$	48,167,959		\$		\$	234,326,139	34.82			
4716	ANTELOPE-VINCENT #1 500KV											\$		\$	-	-			
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		\$114,567,512	\$1,324,330	\$43,836	\$	1,327,795,291	\$	72,337,036	\$	567,101,711	\$	-	\$	1,151,660	\$	49,844,905	\$	2,134,166,281	1,586.00
<u>220 kV TRANSMISSION LINES</u>																			
4045		\$179,131	\$20,864	\$		701,607	\$		\$	453,192		\$	38,006	\$	1,392,800	13.00			
4046		\$186,657		\$		214,409	\$		\$	62,108		\$		\$	463,174	1.79			
4051				\$		316,356	\$		\$	204,878		\$	145,317	\$	666,551	7.35			
4059		\$13,002		\$		333,663	\$		\$	202,343		\$	20,953	\$	569,961	2.74			
4070		\$61,040		\$		344,764	\$		\$	232,146		\$	11,892	\$	649,842	4.42			
4101		\$1,450,194	\$417,408	\$98,475	\$	22,351,012	\$	1,521,861	\$	31,061,355		\$	1,151,849	\$	58,052,154	354.28			
4102		\$1,466,128		\$		4,069,976	\$	540,884	\$	3,003,048		\$		\$	9,080,036	8.43			
4104	OH	\$1,330,987	\$18,394	\$		14,271,443	\$	15,256,734	\$	13,139,317		\$	303,270	\$	44,320,146	158.71			
4104	UG	\$348	\$5						\$		1,480	\$	260,160	\$	79	\$	262,072	0.04	
4107		\$2,639,357	\$1,144,863	\$3,419	\$	8,191,338	\$		\$	6,617,209		\$	836,446	\$	19,432,632	270.79			
4108		\$8,067,991	\$3,036,811	\$		14,115,074	\$	1,552,075	\$	14,150,785		\$	454,131	\$	41,376,866	169.56			
4109			\$25,255									\$		\$	25,255	0.38			
4111		\$1,944		\$		133,734	\$		\$	284,487		\$	29,429	\$	449,593	5.79			
4113		\$793,531		\$		20,974,854	\$	42,464,711	\$	26,020,142		\$	17,981,165	\$	108,234,403	99.30			
4114		\$3,210,534	\$539,029	\$661,182	\$	13,532,584	\$	147,920	\$	9,682,086		\$	304,171	\$	28,077,506	129.55			
4115		\$1,607,024	\$531,635	\$2,149	\$	3,599,135	\$	498,077	\$	2,127,313		\$	27,417	\$	8,392,750	27.07			
4116	OH	\$3,557,091	\$167,329	\$2,043	\$	3,216,620	\$	10,951,485	\$	6,833,334		\$	13,417	\$	24,741,320	90.45			
4116	UG	\$37,461	\$1,762	\$22					\$		180,589	\$	456,828	\$	141	\$	676,803	0.95	
4117		\$1,005,237	\$20,355	\$12,857	\$	24,070,785	\$	5,269,405	\$	12,078,083		\$	151,162	\$	42,607,884	334.26			
4118	*	\$5,479,289	\$342,114	\$2,204	\$	17,949,610	\$	506,590	\$	14,253,906		\$	175,713	\$	38,709,426	154.94			
4119		\$2,099,654	\$98,733	\$101	\$	20,123,222	\$	85,176	\$	19,084,876		\$	1,907,237	\$	43,398,999	131.30			
4120		\$4,270,112	\$399,584	\$29,998	\$	9,154,684	\$	884,998	\$	8,110,366	\$	256	\$	33,420	\$	22,883,418	150.09		
4121		\$281,784	\$55,314	\$		2,001,171	\$	186,227	\$	2,052,709		\$	143,697	\$	4,720,902	135.41			
4125		\$11,418,532	\$1,071,890	\$1,918	\$	31,202,259	\$	492,123	\$	13,806,094		\$	1,781,163	\$	59,773,979	414.75			
4127		\$19,842		\$		647,655	\$	416,703	\$	549,803		\$	5,205	\$	1,639,209	85.09			

**TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2014**

OPERATING VOLTAGE /		ACCOUNT NO.										TOTAL	CIRCUIT MILES
Location	Line Name	350	352	353	354	355	356	357	358	359			
4135	*	\$1,783,379	\$72,553		\$ 8,321,178	\$ 1,027,227	\$ 6,098,154		\$	98,027	\$	17,400,518	206.15
4144		\$9,994			\$ 473,674	\$ 304,730	\$ 429,215		\$	1,023	\$	1,218,636	30.64
4147	Designed at 500kV	\$3,855,423		\$1,880	\$ 2,767,070	\$	1,983,887		\$	145,187	\$	8,753,447	27.48
4153		\$309,032			\$ 60,375	\$ 863,814	\$ 308,138		\$	23,687	\$	1,565,047	13.13
4156		\$12,019,808			\$ 2,262,700	\$ 6,476,819	\$ 2,971,326		\$	38,262	\$	23,768,915	29.49
4157		\$105,605	\$18,610		\$ 1,994,781		\$ 3,584,786		\$	537,026	\$	6,240,809	20.57
4166		(\$63,110)			\$ 164,051		\$ 136,431				\$	237,371	9.03
4168		\$4,331			\$ 262,365		\$ 526,631		\$	37,890	\$	831,217	6.50
4169		\$5,655,134		\$2,701	\$ 14,047,654	\$ 15,599,211	\$ 14,216,298		\$	106,152	\$	49,627,151	372.22
4189		\$78,248			\$ 1,521,458		\$ 1,397,144				\$	2,996,850	6.50
4193					\$ 4,152,836	\$ 64,888	\$ 2,461,080				\$	6,678,804	4.66
4644	ANTELOPE-PARDEE	\$3,934,890			\$ 85,892,178	\$ 7,668,801	\$ 39,517,961			\$ 3,093,212	\$	140,107,042	26.39
4709	WINDHUB-HIGHWIND 230KV LN	\$3,268,655			\$ 33,222,617		\$ 12,131,835	\$	11,017,487		\$	59,640,593	9.60
4733	ELDORADO-IVANPAH NO 1&2 - CA				\$ 25,282,715		\$ 20,573,492				\$	45,856,207	10.32
4734	ELDORADO-IVANPAH NO 1&2 - NV				\$ 48,566,669		\$ 164,124,726				\$	214,854,837	58.48
4756		\$1,079,577			\$ 6,958,865	\$ 568,180	\$ 4,604,528				\$	13,330,432	120.31
5015	GOULD SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study							\$	4,090	-
5053	SANTA CLARA SUB	Refer Substation Study	Refer Substation Study	Refer Substation Study							\$	13,555	-
5083	VIEJO SUBSTATION	Refer Substation Study	Refer Substation Study	Refer Substation Study				\$ 10			\$	10	-
TOTAL 230kV T/L'S		\$81,217,835	\$7,982,511	\$818,948	\$447,467,142	\$113,348,642	\$459,075,210	\$182,335	\$11,734,475	\$31,896,116	\$1,153,723,215	3,701.92	
* Cost allocated between operating voltages by pole miles.													
161 kV TRANSMISSION LINES													
4759		\$33,310				\$ 2,058,985	\$ 331,263			\$ 4,845	\$	2,428,403	53.02
TOTAL 161kV T/L'S		\$33,310	\$0	\$0	\$0	\$2,058,985	\$331,263	\$0	\$0	\$4,845	\$2,428,403	53.02	
115 kV TRANSMISSION LINES													
4106	*OH	\$206,405				\$ 3,043,771	\$ 2,026,520				\$	5,276,696	21.59
4135	*Designed at 220kV	\$428,018	\$17,413		\$ 1,997,115	\$ 246,539	\$ 1,463,581		\$	23,527	\$	4,176,192	49.48
4731						\$ 206,907	\$ 40,739				\$	247,646	6.34
4732						\$ 432,933	\$ 87,312				\$	520,245	15.25
4735	*	\$47			\$ 4,008	\$ 52,451	\$ 18,395			\$ 4,737	\$	79,638	4.46
4750	OH*	\$14,065,631	\$239,443	\$169,973	\$ 4,306,066	\$ 138,255,369	\$ 50,000,081			\$ 1,811,611	\$	208,848,173	1,626.86
4750	UG*	\$119,276	\$2,030	\$1,441				\$ 4,012,606	\$ 12,436,632	\$ 15,362	\$	16,587,348	13.80
4781		\$1,277			\$ 98,307	\$ 43,204	\$ 94,968			\$ 1,376	\$	239,133	20.62
4782		\$165,196			\$ 327,795	\$ 1,573,923	\$ 719,691			\$ 21,669	\$	2,808,275	73.12
TOTAL 115kV T/L'S		\$14,985,850	\$258,886	\$171,414	\$6,733,290	\$143,855,096	\$54,451,287	\$4,012,606	\$12,436,632	\$1,878,283	\$238,783,345	1,831.51	
66 / 55 / 33 kV TRANSMISSION LINES													
4105	OH	\$30,093,920	\$2,192,445	\$1,000,338	\$ 54,773,099	\$ 480,335,930	\$ 162,993,522		\$	1,977,292	\$	733,366,546	4,636.32
4105	UG	\$2,133,189	\$155,410	\$70,908				\$ 46,229,684	\$ 208,718,605	\$ 140,159	\$	257,447,956	328.64
4105	UG 33kV	\$11,669	\$850	\$388				\$ 252,894	\$ 1,141,770	\$ 767	\$	1,408,338	1.80
4106	OH*	\$302,095				\$ 4,454,878	\$ 2,966,026				\$	7,722,999	31.59
4106	UG*	\$54,621						\$ 1,292,809	\$ 3,627,970		\$	4,975,400	5.71
4118	*	\$138,641	\$8,656	\$56	\$ 454,175	\$ 12,818	\$ 360,663			\$ 4,446	\$	979,456	3.92
4124		\$485			\$ 48,890	\$ 312,251	202,022	\$ 1,343	\$ 68,591		\$	633,581	-
4128	Lytle Creek 12kV Line					\$ 1,240	\$ 1,277				\$	2,517	-
4129		\$34,937			\$ 345,087	\$ 1,242,325	\$ 928,435				\$	2,550,784	88.58
4132		\$3,146			\$ 60,500	\$ 94,037	\$ 37,257			\$ 40,795	\$	235,736	3.80
4133		\$50,020			\$ 7,516	\$ 6,882,278	\$ 559,106			\$ 11,455	\$	7,510,373	37.94
4139		\$517				\$ 185,950	\$ 136,870				\$	323,337	2.29
4142		\$25,409				\$ 2,981,718	\$ 1,142,783				\$	4,149,910	31.95
4149		\$232				\$ 60,363	\$ 26,752			\$ 1,093	\$	88,440	3.99
4705	OH	\$242,710	\$3,289			\$ 4,035,848	\$ 2,053,784			\$ 35,775	\$	6,371,404	105.29
4705	UG	\$505	\$7							\$ 74	\$	587	0.22
4730		\$10,585			\$ 1,069,493	\$ 433,240	\$ 298,967				\$	1,812,284	7.22
4735	*Designed at 115kV	\$90			\$ 7,669	\$ 100,373	\$ 35,202			\$ 9,065	\$	152,399	8.53
4750	OH*Designed at 115kV	\$136,157	\$2,318	\$1,645	\$41,683	\$1,338,327	\$484,006			\$17,537	\$	2,021,673	15.75
TOTAL 66 / 55 / 33kV T/L'S		\$33,238,929	\$2,362,975	\$1,073,336	\$56,808,112	\$502,471,577	\$172,226,671	\$47,776,730	\$213,556,936	\$2,238,457	\$1,031,753,723	5,313.54	
TOTAL ALL T/L'S		\$244,043,436	\$12,025,084	\$2,107,534	\$1,876,616,192	\$834,071,336	\$1,272,567,744	\$51,971,671	\$238,879,703	\$86,668,318	\$4,618,951,020	13,112.00	

**TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2014**

OPERATING VOLTAGE /		A C C O U N T N O.										CIRCUIT MILES
Location	Line Name	350	352	353	354	355	356	357	358	359	TOTAL	
* Cost allocated between operating voltages by pole miles.												
EOY 2013		\$227,044,185	\$10,607,545	\$6,841,207	\$ 1,512,661,055	\$ 694,957,253	\$ 981,836,723	\$ 50,154,325	\$ 214,898,536	\$ 76,414,776	\$ 3,775,415,605	12,940.00
Difference		\$16,999,251	\$1,417,539	(\$4,733,673)	\$363,955,137	\$139,114,083	\$290,731,021	\$1,817,346	\$23,981,167	\$10,253,542	\$843,535,415	172.00

4xxx locns excluded from Study

4207	E.MAGUNDEN-ANTELOPE 220KV			\$25,798												\$	25,798	
4300	MET T/S REGION			\$131,348		\$14,696	\$		274,449	\$		103,541	\$		439,317	\$	963,351	
4400	COASTAL T/S REGION	\$3,127				\$12,363	\$		663,525	\$	96,096	\$	1,437,204	\$	2,604,512	\$	4,816,827	
4500	EASTERN T/S REGION			\$78,929		\$21,657	\$	19,403	\$	305,790	\$	70,339				\$	496,117	
4600	Northern T/S Region			\$1,888,842			\$		408,641							\$	2,297,483	
4700	Eastern T/S Region	\$33,305		\$10,543		\$1,233	\$		210,658				290,840	\$	786,043	\$	1,332,622	
4799	HUMAN EXTERNAL CARGO TRAINING SIT			\$321,805		\$	2,640,369	\$		548,749						\$	3,510,922	
4800	VAR. TRANS. LINES-S/E DIV	\$2,931		\$48,457		\$3,630	\$	559,885	\$	1,145,743	\$	1,226,842	\$	2,243,712	\$	5,759,467	\$	10,990,666
4900	NORTHEASTERN T/S DIV.						\$		1,551,239	\$	205,618					\$	1,756,857	
		\$39,363		\$2,505,722		\$53,578	\$3,219,657	\$4,560,044	\$2,147,645	\$4,075,297	\$9,589,339		\$0			\$26,190,643		

Non 4xxx locns excluded from Study*

1089	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study	\$	10	\$	10
1250	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1451	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1808	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1809	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1810	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1812	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1818	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1824	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1839	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1860	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study	\$	232,241	\$	84,727
1864	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study	\$	181,545	\$	96,210
1866	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study	\$	253,332	\$	92,249
1867	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study	\$	854,373	\$	
1869	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1870	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
1999	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2150	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2202	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2211	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2212	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2229	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2230	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2234	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2236	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2237	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2238	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2239	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2300	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2301	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2303	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2305	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2307	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2309	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2313	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2314	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2315	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2317	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2318	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2319	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2324	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2325	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2326	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2327	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2328	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2331	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2500	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2501	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2503	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2510	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2512	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-
2514	Refer to Substation Study	Refer to Substation Study	Refer to Substation Study			\$	-

[illegible]

[illegible]

[illegible]

Location	Line Name	350	352	353	354	355	356	357	358	359	TOTAL
8025	Refer to Substation Study									\$	-
8026	Refer to Substation Study									\$	-
8027	Refer to Substation Study									\$	-
8028	Refer to Substation Study									\$	-
8029	Refer to Substation Study									\$	-
8030	Refer to Substation Study									\$	-
8031	Refer to Substation Study									\$	-
8032	Refer to Substation Study									\$	-
8033	Refer to Substation Study									\$	-
8034	Refer to Substation Study									\$	-
8035	Refer to Substation Study									\$	-
8036	Refer to Substation Study									\$	-
8037	Refer to Substation Study									\$	-
8038	Refer to Substation Study									\$	-
8039	Refer to Substation Study									\$	-
8040	Refer to Substation Study									\$	-
8041	Refer to Substation Study									\$	-
8042	Refer to Substation Study									\$	-
8044	Refer to Substation Study									\$	-
8045	Refer to Substation Study									\$	-
8046	Refer to Substation Study									\$	-
8047	Refer to Substation Study									\$	-
8048	Refer to Substation Study									\$	-
8049	Refer to Substation Study									\$	-
8051	Refer to Substation Study									\$	-
8052	Refer to Substation Study									\$	-
8053	Refer to Substation Study									\$	-
8054	Refer to Substation Study									\$	-
8055	Refer to Substation Study									\$	-
8059	Refer to Substation Study									\$	-
8060	Refer to Substation Study									\$	-
8061	Refer to Substation Study									\$	-
8063	Refer to Substation Study									\$	-
8064	Refer to Substation Study									\$	-
8067	Refer to Substation Study									\$	-
8072	Refer to Substation Study									\$	-
8073	Refer to Substation Study									\$	-
8074	Refer to Substation Study									\$	-
8075	Refer to Substation Study									\$	-
8076	Refer to Substation Study									\$	-
8078	Refer to Substation Study							\$	203,176	\$	203,176
8079	Refer to Substation Study									\$	-
8081	Refer to Substation Study									\$	-
8082	Refer to Substation Study									\$	-
8086	Refer to Substation Study									\$	-
8087	Refer to Substation Study									\$	-
8088	Refer to Substation Study									\$	-
8089	Refer to Substation Study									\$	-
8090	Refer to Substation Study									\$	-
8091	Refer to Substation Study									\$	-
8092	Refer to Substation Study									\$	-
8093	Refer to Substation Study									\$	-
8094	Refer to Substation Study									\$	-
8095	Refer to Substation Study									\$	-
8096	Refer to Substation Study							\$	36,281	\$	36,281
8097	Refer to Substation Study									\$	-
8098	Refer to Substation Study							\$	3,254	\$	4,297
8099	Refer to Substation Study								1,043	\$	-
8102	Refer to Substation Study									\$	-
8110	Refer to Substation Study									\$	-
8113	Refer to Substation Study									\$	-
8117	Refer to Substation Study									\$	-
8120	Refer to Substation Study									\$	-
8132	Refer to Substation Study									\$	-
8137	Refer to Substation Study									\$	-
8152	Refer to Substation Study									\$	-
8163	Refer to Substation Study									\$	-
8167	Refer to Substation Study									\$	-
8190	Refer to Substation Study									\$	-
8193	Refer to Substation Study									\$	-
8195	Refer to Substation Study									\$	-
8196	Refer to Substation Study									\$	-
8197	Refer to Substation Study									\$	-
8198	Refer to Substation Study									\$	-
8204	Refer to Substation Study									\$	-

*Rows hidden in Non4xxx Locations

**TRANSMISSION LINE COST BY
OPERATING VOLTAGE / LOCATION NO.
AS OF DECEMBER 31, 2014**

OPERATING VOLTAGE /		A C C O U N T N O.									TOTAL
Location	Line Name	350	352	353	354	355	356	357	358	359	
Total exclusions					\$6,886,132	\$4,598,762	\$2,860,085	\$4,332,996	\$9,590,382	\$27,232	\$28,295,589
Totals including exclusions					\$1,883,502,324	\$838,670,098	\$1,275,427,829	\$56,304,667	\$248,470,085	\$86,695,550	\$4,389,070,553
FERC FORM 1 Totals					\$1,883,502,325	\$838,670,098	\$1,275,427,829	\$56,304,666	\$248,470,086	\$86,695,550	\$4,389,070,554
Difference					\$ (1)	\$ 0	\$ (0)	\$ 1	\$ (1)	\$ 0	(1)

EOY 2014
CIRCUIT
MILES