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2016 ISO Study with Incentive Plant

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Total Transmission Plant & Reserve Activity

Plant-In-Service

	350.1	350.2	352	353	354	355	356	357	358	359	Total
BOY Balance	121,657,932	206,772,796	686,827,404	5,247,711,807	2,259,972,826	1,008,567,359	1,482,107,624	61,087,062	268,612,323	194,018,041	11,537,335,173
Jan-16	(1,616,115)	21,089	16,509,109	13,622,375	7,105,317	10,706,736	8,816,323	938,443	1,701,955	230,848	
Feb-16	(1,086)	(4,136)	(6,131,852)	23,249,856	2,203,121	10,870,939	1,086,601	(24,970)	103,305	304,748	
Mar-16	9,933,998	82,797	14,032,187	30,194,226	1,257,328	25,150,863	9,930,133	27,210	1,421,895	8,994,215	
Apr-16	10,154	45,962	36,561,503	19,937,831	523,231	13,223,623	343,204	2,327,053	9,963,639	699,509	
May-16	8,353	8,958	1,116,903	2,255,074	3,687,881	8,660,482	692,271	240,024	1,939,124	1,165,179	
Jun-16	(521,704)	(405,606)	9,431,414	49,945,067	(19,249,957)	17,906,003	2,166,188	3,250,929	24,254,225	3,309,862	
Jul-16	3,784	7,647	11,806,970	85,469,419	(120,947)	7,925,201	(507,970)	608,007	995,354	523,200	
Aug-16	(3,065)	19,834	(825,894)	472,730	20,517,538	10,119,719	(5,524,589)	662,022	(1,129,298)	(14,009,678)	
Sep-16	13,905	2,729,137	2,183,478	5,988,417	1,246,025	10,505,217	9,122,891	179,139,286	62,761,244	(13,869)	
Oct-16	(801)	118,272	33,890,663	24,855,909	8,899,691	9,450,956	7,535,391	(3,792,760)	2,091,679	578,813	
Nov-16	7,474	29,811	6,765,256	20,988,399	5,002,898	10,535,333	(2,223,627)	8,351,174	(3,876,918)	199,970	
Dec-16	24,326	2,251	13,611,369	61,555,772	14,453,276	14,542,538	(13,733,180)	406,813	(104,199)	4,534,397	
End Balance	129,517,154	209,428,813	825,778,508	5,586,246,880	2,305,498,226	1,158,164,968	1,499,811,260	253,220,290	368,734,329	200,535,234	12,536,935,662

Accumulated Depreciation

	350.1	350.2	352	353	354	355	356	357	358	359	Total
BOY Balance	-	22,226,285	110,602,068	649,885,227	470,289,550	181,285,765	581,070,811	18,077,102	92,843,637	15,351,645	2,141,632,090
Jan-16	-	289,288	649,410	5,708,405	1,645,879	1,292,629	2,296,432	8,551	404,805	84,278	
Feb-16	-	290,018	2,113,530	15,928,508	963,659	3,466,152	1,008,281	83,349	627,308	413,955	
Mar-16	-	290,119	967,344	1,708,974	3,728,083	1,124,654	3,225,443	89,995	615,758	166,455	
Apr-16	-	290,112	979,181	8,836,311	4,049,186	(1,241,700)	3,266,264	91,784	391,955	278,327	
May-16	-	94,545	(276,599)	2,518,174	4,200,291	(4,772,281)	1,125,071	100,923	146,216	207,785	
Jun-16	-	343,517	1,977,587	4,838,429	5,845,988	(739,022)	5,155,167	93,497	432,662	458,756	
Jul-16	-	294,037	186,382	19,507,615	4,746,409	(387,581)	3,173,577	98,561	609,360	449,656	
Aug-16	-	266,507	2,600,075	10,414,145	2,923,787	(1,623,791)	2,345,373	90,890	269,519	(125,484)	
Sep-16	-	191,222	1,424,732	10,301,749	4,496,703	(1,091,552)	3,432,886	99,266	340,986	251,247	
Oct-16	-	282,954	1,514,812	9,805,967	4,254,603	(1,472,413)	3,297,227	345,942	703,798	232,061	
Nov-16	-	290,067	1,319,523	8,211,278	3,243,281	(2,965,227)	2,279,355	341,321	833,988	164,777	
Dec-16	-	290,081	1,288,871	5,253,401	3,306,389	(2,240,824)	2,067,857	351,047	(409,725)	187,598	
End Balance	-	25,438,753	125,346,914	752,918,183	513,693,806	170,634,809	613,743,743	19,872,229	97,810,267	18,121,057	2,337,579,761

Incentive Plant In Service Activity

	350.1	350.2	352	353	354	355	356	357	358	359	Total
Jan-16	-	-	101,880	(9,349)	1,209,250	1,072,936	(603,133)	-	-	274,785	
Feb-16	-	-	(8,631,505)	16,522,096	2,191,991	329,244	852,598	-	-	299,244	
Mar-16	9,932,171	-	2,080	60,898	555,488	155,258	318,975	-	-	174,958	
Apr-16	11,156	40,960	(2,030,729)	2,463,489	1,787,068	227,930	578,610	-	1,693,868	279,665	
May-16	7,352	457	(54,582)	(161,954)	924,608	111,054	215,647	-	344,050	154,736	
Jun-16	(523,033)	530,821	71,058	(105,463)	2,433,751	(448,179)	517,712	-	1,299	368,779	
Jul-16	9,500	3,532	4,831	41,520	498,325	95,818	290,532	-	594	169,986	
Aug-16	(1,271)	1,656	253,565	(172,264)	19,190,528	(178,070)	(5,946,067)	-	(846)	(13,988,911)	
Sep-16	15,309	(18)	1,282,269	62,016	723,525	(60,735)	1,508,426	178,296,084	62,336,396	(22,925)	
Oct-16	(801)	16,333	20,241	(1,193,771)	7,598,895	181,307	5,980,518	2,374,644	2,869,951	675,684	
Nov-16	7,474	18,595	27,945	100,724	516,812	30,123	761,453	3,466,677	1,212,015	209,960	
Dec-16	24,326	71	8,803,346	27,931,366	14,321,981	1,140,994	(16,163,768)	1,149,358	401,837	2,079,115	
End Balance	18,676,991	94,873,060	264,612,613	1,133,695,495	1,757,159,286	151,903,903	815,549,135	185,286,763	79,876,649	138,148,965	4,639,782,859

SOUTHERN CALIFORNIA EDISON COMPANY
Transmission/Distribution ISO Facilities Study
December 2016 Plant

\$						
Transmission						
	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total	Incentive Plant	ISO % Net of Incentive Plant
Substation 1						
352	825,778,508	825,778,508	531,582,611	64.4%	264,612,613	47.6%
353	5,586,246,880	5,586,246,880	3,249,175,449	58.2%	1,133,695,495	47.5%
Total Substation	\$ 6,412,025,387	\$ 6,412,025,388	\$ 3,780,758,060	59.0%	\$ 1,398,308,108	47.5%
Land						
350	338,945,967	338,945,967	252,172,630	74.4%	113,550,050	61.5%
Total Substation and Land	\$ 6,750,971,354	\$ 6,750,971,354	\$ 4,032,930,690	59.7%	\$ 1,511,858,158	48.1%
Lines						
354	2,305,498,226	2,305,498,227	2,233,991,232	96.9%	1,757,159,286	87.0%
355	1,158,164,968	1,158,164,968	324,258,228	28.0%	151,903,903	17.1%
356	1,499,811,260	1,499,811,258	1,235,903,790	82.4%	815,549,135	61.4%
357	253,220,290	253,220,290	185,508,197	73.3%	185,286,763	0.3%
358	368,734,329	368,734,329	81,951,072	22.2%	79,876,649	0.7%
359	200,535,234	200,535,236	182,027,087	90.8%	138,148,965	70.3%
Total Lines	5,785,964,308	5,785,964,308	\$4,243,639,605	73.3%	\$3,127,924,701	42.0%
Total Transmission	\$12,536,935,662	\$12,536,935,662	\$8,276,570,295	66.0%	\$4,639,782,859	46.1%
Distribution						
	Total Plant	ISO Plant	ISO % of Total			
Land:						
360	124,672,241	124,672,241	-	0.0%	-	0.0%
Structures:						
361	611,762,558	611,762,558	-	0.0%	-	0.0%
362	2,397,308,356	2,397,308,356	-	0.0%	-	0.0%
Total Structures	\$ 3,009,070,914	\$ 3,009,070,914	\$ -	0.0%	\$ -	0.0%
Total Distribution (Land & Structures)	\$ 3,133,743,155	\$ 3,133,743,155	\$ -	0.0%	\$ -	0.0%
Total Transmission & Distribution	\$ 15,670,678,816	\$ 15,670,678,817	\$ 8,276,570,295	52.8%	\$ 4,639,782,859	33.0%

SOUTHERN CALIFORNIA EDISON COMPANY
Transmission/Distribution ISO Facilities Study
December 2015 Plant

0

\$

Transmission

	Total Plant FERC Form 1	Total Plant	ISO Plant	ISO % of Total	Incentive Plant	ISO % Net of Incentive Plant
Substation 1						
352	686,827,403	686,827,404	470,458,376	68.5%	264,762,214	48.7%
353	5,247,711,806	5,247,711,807	3,030,177,247	57.7%	1,088,156,186	46.7%
Total Substation	\$ 5,934,539,209	\$ 5,934,539,211	\$ 3,500,635,623	59.0%	\$ 1,352,918,400	46.9%
Land						
350	328,430,727	328,430,728	241,049,135	73.4%	103,455,460	61.2%
Total Substation and Land	\$ 6,262,969,936	\$ 6,262,969,939	\$ 3,741,684,757	59.7%	\$ 1,456,373,860	47.5%
Lines						
354	2,259,972,825	2,259,972,826	2,164,622,763	95.8%	1,705,207,064	82.8%
355	1,008,567,359	1,008,567,359	310,678,566	30.8%	149,246,224	18.8%
356	1,482,107,625	1,482,107,624	1,239,646,181	83.6%	827,237,632	63.0%
357	61,087,062	61,087,062	221,416	0.4%	-	0.4%
358	268,612,323	268,612,323	13,011,928	4.8%	11,017,487	0.8%
359	194,018,041	194,018,041	187,087,541	96.4%	147,473,890	85.1%
Total Lines	5,274,365,235	5,274,365,234	\$3,915,268,395	74.2%	\$2,840,182,297	44.2%
Total Transmission	\$11,537,335,171	\$11,537,335,173	\$7,656,953,152	66.4%	\$4,296,556,157	46.4%

Distribution

	Total Plant	ISO Plant	ISO % of Total		
Land:					
360	115,272,068	115,272,068	-	0.0%	-
Structures:					
361	576,705,979	576,705,979	-	0.0%	-
362	2,244,270,529	2,244,270,529	-	0.0%	-
Total Structures	\$ 2,820,976,508	\$ 2,820,976,508	-	0.0%	\$ -
Total Distribution (Land & Structures)	\$ 2,936,248,576	\$ 2,936,248,576	-	0.0%	\$ -
Total Transmission & Distribution	\$ 14,473,583,747	\$ 14,473,583,749	\$ 7,656,953,152	52.9%	\$ 4,296,556,157
					33.0%

BOY/EOY ISO Transmission Accumulated Depreciation

Total Company									
Dec-15					Dec-16				
	Incentive Accumulated Depreciation	Accum. CPUC / FERC Depreciation Rate Differential	Other	Total Reserve		Incentive Accumulated Depreciation	Accum. CPUC / FERC Depreciation Rate Differential	Other	Total Reserve
350	5,256,283	(479,095)	17,449,098	22,226,285	350	6,825,977	(501,928)	19,114,703	25,438,753
352	19,176,689	(1,724,024)	93,149,403	110,602,068	352	25,774,571	(1,688,101)	101,260,444	125,346,914
353	94,941,616	34,659,083	520,284,528	649,885,227	353	122,191,685	33,898,698	596,827,800	752,918,183
354	96,628,212	4,638,576	369,022,761	470,289,550	354	138,586,485	4,418,873	370,688,448	513,693,806
355	10,971,150	4,146,495	166,168,120	181,285,765	355	16,498,586	3,812,465	150,323,758	170,634,809
356	53,721,031	478,674	526,871,106	581,070,811	356	78,974,458	636,224	534,133,061	613,743,743
357	-	66,794	18,010,308	18,077,102	357	746,768	30,650	19,094,811	19,872,229
358	811,992	103,595	91,928,050	92,843,637	358	1,915,385	294,168	95,600,713	97,810,267
359	5,125,901	158,501	10,067,243	15,351,645	359	7,373,856	(73,685)	10,820,885	18,121,057
Transmission	286,632,875	42,048,600	1,812,950,616	2,141,632,090	Transmission	398,887,772	40,827,365	1,897,864,624	2,337,579,761
360	-	-	9,068,513	9,068,513	360	-	-	10,128,117	10,128,117
361	-	-	177,122,143	177,122,143	361	-	-	188,774,453	188,774,453
362	-	-	39,405,085	39,405,085	362	-	-	71,725,879	71,725,879
Distribution	-	-	225,595,740	225,595,740	Distribution	-	-	270,628,450	270,628,450
Total	286,632,875	42,048,600	2,038,546,356	2,367,227,831	Total	398,887,772	40,827,365	2,168,493,073	2,608,208,211

ISO

Dec-15					Dec-16						
	Incentive Accumulated Depreciation	Accum. CPUC / FERC Depreciation Rate Differential	Other	Total Reserve		Incentive Accumulated Depreciation	Accum. CPUC / FERC Depreciation Rate Differential	Other	Total Reserve		
350	61.2%	5,256,283	(479,095)	10,671,775	15,448,963	350	61.5%	6,825,977	(501,928)	11,755,889	18,079,939
352	48.7%	19,176,689	(1,724,024)	45,396,955	62,849,620	352	47.6%	25,774,571	(1,688,101)	48,173,812	72,260,283
353	46.7%	94,941,616	34,659,083	242,911,408	372,512,107	353	47.5%	122,191,685	33,898,698	283,562,645	439,653,028
354	82.8%	96,628,212	4,638,576	305,597,175	406,863,964	354	87.0%	138,586,485	4,418,873	322,348,243	465,353,602
355	18.8%	10,971,150	4,146,495	31,216,396	46,334,041	355	17.1%	16,498,586	3,812,465	25,747,742	46,058,792
356	63.0%	53,721,031	478,674	331,800,435	386,000,140	356	61.4%	78,974,458	636,224	328,127,644	407,738,326
357	0.4%	-	66,794	65,280	132,074	357	0.3%	746,768	30,650	62,241	839,659
358	0.8%	811,992	103,595	711,758	1,627,345	358	0.7%	1,915,385	294,168	686,554	2,896,108
359	85.1%	5,125,901	158,501	8,568,214	13,852,616	359	70.3%	7,373,856	(73,685)	7,610,650	14,910,822
Transmission		286,632,875	42,048,600	976,939,396	1,305,620,870	Transmission		398,887,772	40,827,365	1,028,075,421	1,467,790,558
360	0.0%	-	-	-	-	360	0.0%	-	-	-	-
361	0.0%	-	-	-	-	361	0.0%	-	-	-	-
362	0.0%	-	-	-	-	362	0.0%	-	-	-	-
Distribution		-	-	-	-	Distribution		-	-	-	-
Total		286,632,875	42,048,600	976,939,396	1,305,620,870	Total		398,887,772	40,827,365	1,028,075,421	1,467,790,558

Incentive Reserve Balances		FERC Rate Differential Balance		Total Reserve	
Dec-15	Dec-16	Dec-15	Dec-16	Dec-15	Dec-16
350.1	-	-	-	242,836	484,056
350.2	5,256,283	6,825,977	(479,095)	21,983,449	24,954,697
352	19,176,689	25,774,571	(1,724,024)	110,602,068	125,346,914
353	94,941,616	122,191,685	34,659,083	649,885,227	752,918,183
354	96,628,212	138,586,485	4,638,576	470,289,550	513,693,806
355	10,971,150	16,498,586	4,146,495	181,285,765	170,634,809
356	53,721,031	78,974,458	478,674	581,070,811	613,743,743
357	-	746,768	66,794	18,077,102	19,872,229
358	811,992	1,915,385	103,595	92,843,637	97,810,267
359	5,125,901	7,373,856	158,501	15,351,645	18,121,057
360.1	-	-	-	(31,716)	-
360.2	-	-	-	9,100,229	10,128,117
361	-	-	-	177,122,143	188,774,453
362	-	-	-	39,405,085	71,725,879

**Accumulated Depreciation
Reconciliation to FERC Form 1**

	2016 FF1 Page 219	Net Reg Asset	ARO	RWIP Allocation	Adj Transmission Balance	Reserve Total
Transmission	2,330,841,181	135,058	6,567,512	36,010	2,337,579,761	2,337,579,761
	2015 FF1 Page 219	Net Reg Asset	ARO	RWIP Allocation Methodology Change	Adj Transmission Balance	
Transmission	2,142,777,663	(21,020)	9,730,107	(10,854,659)	2,141,632,090	2,141,632,090
Reserve Total	2,337,579,761					
Total Transmisison 108.5	(2,587,977,985)					
SONGS	54,394					
Mohave	0					
Total Transmission (Excluding SONGS & Mohave)	(2,588,032,378)					
Reconciling Items						
PHFFU	(3,643)					
ARO	6,567,512					
PV Sunk NBV	(80,664)					
RWIP (108.9) compared to TO	36,010					
Total Reconciling Items	6,519,216					
Adjusted Total:	(2,594,551,594)					

General & Intangible Reserve Summary

<u>General</u>	<u>Intangible</u>	<u>Total</u>	<u>FF1 Reference</u>
1,011,263,915	946,990,880	1,958,254,795	FF1 219.28c and FF1 200.21c for previous year
1,073,416,375	843,998,303	1,917,414,678	FF1 219.28c and FF1 200.21c