

Attachment 2 to Appendix IX

Formula Rate Spreadsheet

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Overview of SCE Retail Base TRR

SCE's retail Base Transmission Revenue Requirement is the sum of the following components:

<u>TRR Component</u>	<u>Amount</u>
Prior Year TRR	\$1,001,243,759
Incremental Forecast Period TRR	\$99,737,699
True-Up Adjustment	-\$62,494,552
Cost Adjustment	<u>\$0</u>
Base TRR (retail)	\$1,038,486,906

These components represent the following costs that SCE incurs:

- 1) The Prior Year TRR component is the TRR associated with the Prior Year (most recent calendar year).
The Prior Year TRR is calculated using End-of-Year Rate Base values, as set forth in the "1-BaseTRR" Worksheet.
- 2) The Incremental Forecast Period TRR is the component of Base TRR associated with forecast additions to in-service plant or CWIP, as set forth in the "2-IFPTRR" Worksheet.
- 3) The True Up Adjustment is a component of the Base TRR that reflects the difference between projected and actual costs, as set forth in the "3-TrueUpAdjust" Worksheet.
- 4) The Cost Adjustment component may be included as provided in the Tariff protocols.

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Cells shaded yellow are input cells

Formula Transmission Rate

<u>Line</u>	<u>Notes</u>	<u>FERC Form 1 Reference or Instruction</u>	<u>2017 Value</u>
RATE BASE			
1	ISO Transmission Plant	6-PlantInService, Line 19	\$8,573,445,553
2	General Plant + Electric Miscellaneous Intangible Plant	6-PlantInService, Line 27	\$266,256,631
3	Transmission Plant Held for Future Use	11-PHFU, Line 8	\$9,942,155
4	Abandoned Plant	12-AbandonedPlant, Line 3	\$0
<u>Working Capital amounts</u>			
5	Materials and Supplies	13-WorkCap, Line 16	\$14,314,526
6	Prepayments	13-WorkCap, Line 36	\$13,703,824
7	Cash Working Capital	(Line 66 + Line 67) / 8	<u>\$16,239,768</u>
8	Working Capital	Line 5 + Line 6 + Line 7	\$44,258,118
<u>Accumulated Depreciation Reserve Balances</u>			
9	Transmission Depreciation Reserve - ISO	8-AccDep, Line 13, Col. 12	-\$1,633,677,100
10	Distribution Depreciation Reserve - ISO	8-AccDep, Line 16, Col. 5	\$0
11	General + Intangible Plant Depreciation Reserve	8-AccDep, Line 26	<u>-\$104,458,767</u>
12	Accumulated Depreciation Reserve	Line 9 + Line 10 + Line 11	-\$1,738,135,867
13	Accumulated Deferred Income Taxes	9-ADIT, Line 5, Col. 2	-\$1,649,088,770
14	CWIP Plant	14-IncentivePlant, L 12, Col 1	\$221,778,480
15	Other Regulatory Assets/Liabilities	23-RegAssets, Line 14	\$0
16	Unfunded Reserves	34-UnfundedReserves, Line 6	-\$10,717,922
17	Network Upgrade Credits	22-NUCs, Line 4	-\$93,345,105
18	Rate Base	L1 + L2 + L3 + L4 + L8 + L12 + L13 + L14+ L15+ L16 + L17	\$5,624,393,273

OTHER TAXES

19	Sub-Total Local Taxes	FF1 263.1, Row 30, Column i	FF1 263 or 263.x (see note to left)	\$298,376,268
20	Transmission Plant Allocation Factor		27-Allocators, Line 22	19.1484%
21	Property Taxes		Line 19 * Line 20	\$57,134,356
22	Payroll Taxes Expense		Line 24 + Line 25+ Line 26	\$106,921,364
23	FICA		FF1 263 or 263.x (see note to left)	\$106,811,420
24	Fed Ins Cont Amt -- Current	FF1 263, Row 6, Column i	FF1 263 or 263.x (see note to left)	\$80,115
25	FICA/OASDI Emp Incntv.	FF1 263, Row 7, Column i	FF1 263 or 263.x (see note to left)	\$29,829
26	FICA/HIT Emp Incntv.	FF1 263, Row 8, Column i	FF1 263 or 263.x (see note to left)	\$5,909,370
27	CA SUI Current	FF1 263, Row 21, Column i	FF1 263 or 263.x (see note to left)	\$2,620,285
28	Fed Unemp Tax Act- Current	FF1 263, Row 9, Column i	FF1 263 or 263.x (see note to left)	\$1,555,582
29	CADI Vol Plan Assess	FF1 263.1, Row 1, Column i	FF1 263 or 263.x (see note to left)	\$42,940
30	SF Pyrl Exp Tx - SCE	FF1 263, Row 39, Column i	FF1 263 or 263.x (see note to left)	\$117,049,541
31	Total Electric Payroll Tax Expense		Line 23 + (Line 27 to Line 30)	\$46,585,717
32	Capitalized Overhead portion of Electric Payroll Tax Expense		26-TaxRates, Line 16	\$70,463,824
33	Remaining Electric Payroll Tax Expense to Allocate		Line 31 - Line 32	6.0143%
34	Transmission Wages and Salaries Allocation Factor		27-Allocators, Line 9	\$4,237,931
35	Payroll Taxes Expense		Line 33 * Line 34	\$61,372,287
36	Other Taxes	Note 1	Line 21 + Line 35	

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Formula Transmission Rate

Line	Notes	FERC Form 1 Reference or Instruction	2017 Value
RETURN AND CAPITALIZATION CALCULATIONS			
<u>Debt</u>			
37		5-ROR-1, Line 12	\$10,255,775,546
38		Line 37 * Line 39	\$504,409,810
39		5-ROR-3, Line 10	4.9183%
<u>Preferred Stock</u>			
40		5-ROR-1, Line 16	\$2,224,620,929
41		Line 40 * Line 42	\$126,985,860
42		5-ROR-4, Line 9	5.7082%
<u>Equity</u>			
43		5-ROR-1, Line 22	\$12,575,222,880
44		Line 37 + Line 40 + Line 43	\$25,055,619,355
<u>Capital Percentages</u>			
45		Line 37 / Line 44	40.9320%
46		Line 40 / Line 44	8.8787%
47		Line 43 / Line 44	50.1892%
		Line 45 + Line 46+ Line 47	100.0000%
<u>Annual Cost of Capital Components</u>			
48		Line 39	4.9183%
49		Line 42	5.7082%
50	Note 2	SCE Return on Equity	10.80%
<u>Calculation of Cost of Capital Rate</u>			
51		Line 39 * Line 45	2.0132%
52		Line 42 * Line 46	0.5068%
53		Line 47 * Line 50	5.4204%
54		Line 51 + Line 52 + Line 53	7.9404%
55	Equity Rate of Return Including Common and Preferred Stock Used for Tax calculation	Line 52 + Line 53	5.9273%
56	Return on Capital: Rate Base times Cost of Capital Rate	Line 18 * Line 54	\$446,600,074
INCOME TAXES			
57		26-Tax Rates, Line 1	21.0000%
58		26-Tax Rates, Line 8	8.8400%
59	Composite Tax Rate = F + [S * (1 - F)]	(L57 + L58) - (L57 * L58)	27.9836%
<u>Calculation of Credits and Other:</u>			
60	Amortization of Excess Deferred Tax Liability Note 3		\$200
61	Investment Tax Credit Flowed Through Note 3		-\$520,000
62	South Georgia Income Tax Adjustment Note 3		\$2,606,000
63	Credits and Other	Line 60 + Line 61+ Line 62	\$2,086,200
64	Income Taxes:	Formula on Line 65	\$133,809,874
65	Income Taxes = $(((RB * ER) + D) * (CTR/(1 - CTR))) + CO/(1 - CTR)$		
Where:			
	RB = Rate Base	Line 18	
	ER = Equity Rate of Return Including Common and Preferred Stock	Line 55	
	CTR = Composite Tax Rate	Line 59	
	CO = Credits and Other	Line 63	
	D = Book Depreciation of AFUDC Equity Book Basis	SCE Records	\$3,535,511

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Formula Transmission Rate

<u>Line</u>	<u>Notes</u>	<u>FERC Form 1 Reference or Instruction</u>	<u>2017 Value</u>
PRIOR YEAR TRANSMISSION REVENUE REQUIREMENT			
<u>Component of Prior Year TRR:</u>			
66		19-OandM, Line 91, Col. 6	\$77,531,619
67		20-AandG, Line 23	\$52,386,525
68		22-NUCs, Line 8	\$6,116,851
69		17-Depreciation, Line 70	\$241,415,721
70		12-AbandonedPlant, Line 1	\$0
71		Line 36	\$61,372,287
72	Negative amount	21-Revenue Credits, Line 44	-\$58,832,606
73		Line 56	\$446,600,074
74		Line 64	\$133,809,874
75	Gain negative, loss positive	11-PHFU, Line 10	\$0
76		23-RegAssets, Line 16	\$0
77		15-IncentiveAdder, Line 14	<u>\$29,349,156</u>
78		Sum of Lines 66 to 77	\$989,749,501
79		L 78 * FF Factor (28-FFU, L 5)	\$9,111,337
80		L 78 * U Factor (28-FFU, L 5)	\$2,382,921
81		Line 78 + Line 79+ Line 80	\$1,001,243,759
TOTAL BASE TRANSMISSION REVENUE REQUIREMENT			
<u>Calculation of Base Transmission Revenue Requirement</u>			
82		Line 81	\$1,001,243,759
83		2-IFPTRR, Line 82	\$99,737,699
84		3-TrueUpAdjust, Line 30	-\$62,494,552
85	Note 4		<u>\$0</u>
86	For Retail Purposes	L 82 + L 83 + L 84 + L 85	\$1,038,486,906
<u>Wholesale Base Transmission Revenue Requirement</u>			
87		Line 86	\$1,038,486,906
88		25-WholesaleDifference, Line 45	<u>-\$5,166,547</u>
89		Line 87 + Line 88	\$1,033,320,358

Notes:

- Any amount of "Sub-Total Local Taxes" or "Payroll Taxes Expense" may be excluded if appropriate with the provision of a workpaper showing the reason for the exclusion and the amount of the exclusion.
- No change in Return on Common Equity will be made absent a Section 205 filing at the Commission.
Does not include any project-specific ROE adders.
In the event that the Return on Common Equity is revised from the initial value, enter cite to Commission Order approving the revised ROE on following line.
Order approving revised ROE: [REDACTED]
- No change in the South Georgia Income Tax Adjustment "Credits and Other" term will be made absent a filing at the Commission. Investment Tax Credit Flowed Through amount shall be negative \$520,000 through the Prior Year of 2018, negative \$183,000 for the Prior Year of 2019, and \$0 thereafter.
- Cost Adjustment may be included as provided in the Tariff protocols.

Calculation of Incremental Forecast Period TRR ("IFPTRR")

The IFP TRR is equal to the sum of:

- 1) Forecast Plant Additions * AFCR
- 2) Forecast Period Incremental CWIP * AFCR for CWIP

1) Calculation of Annual Fixed Charge Rates:

Line a) Annual Fixed Charge Rate for CWIP ("AFCRCWIP")

1			
2	AFCRCWIP represents the return and income tax costs associated with \$1 of CWIP,		
3	expressed as a percent.		
4			
5	$AFCRCWIP = CLTD + (COS * (1/(1 - CTR)))$		
6			
7	where:		
8	CLTD = Weighted Cost of Long Term Debt		
9	COS = Weighted Cost of Common and Preferred Stock		
10	CTR = Composite Tax Rate		
11			Reference
12	Wtd. Cost of Long Term Debt:	2.013%	1-BaseTRR, Line 51
13	Wtd. Cost of Common + Pref. Stock:	5.927%	1-BaseTRR, Line 55
14	Composite Tax Rate:	27.984%	1-BaseTRR, Line 59
15			
16	AFCRCWIP =	10.244%	Line 12 + (Line 13 * (1/(1 - Line 14)))
17			

b) Annual Fixed Charge Rate ("AFCR")

The AFCR is calculated by dividing the Prior Year TRR (without CWIP related costs) by Net Plant:

$$AFCR = (\text{Prior Year TRR} - \text{CWIP-related costs}) / \text{Net Plant}$$

Determination of Net Plant:

26				Reference
27	Transmission Plant - ISO:	\$8,573,445,553	6-PlantInService, Line 13	
28	Distribution Plant - ISO:	\$0	6-PlantInService, Line 16	
29	Transmission Dep. Reserve - ISO:	\$1,633,677,100	8-AccDep, Line 13	
30	Distribution Dep. Reserve - ISO:	\$0	8-AccDep, Line 16	
31	Net Plant:	\$6,939,768,453	(L27 + L28) - (L29 + L30)	
32				

Determination of Prior Year TRR without CWIP related costs:

a) Determination of CWIP-Related Costs

1) Direct (without ROE adder) CWIP costs

37	CWIP Plant - Prior Year:	\$221,778,480	10-CWIP, L 13 C1
38	AFCRCWIP:	10.244%	Line 16
39	Direct CWIP Related Costs:	\$22,718,059	Line 37 * Line 38
40			

2) CWIP ROE Adder costs:

42	IREF:	\$6,969	15-IncentiveAdder, Line 3
43			
44	Tehachapi CWIP Amount:	\$150,976	10-CWIP, Line 13
45	Tehachapi ROE Adder %:	1.25%	15-IncentiveAdder, Line 5
46	Tehachapi ROE Adder \$:	\$1,315	Formula on Line 52
47			
48	DCR CWIP Amount:	\$0	10-CWIP, Line 13
49	DCR ROE Adder %:	1.00%	15-IncentiveAdder, Line 6
50	DCR ROE Adder \$:	\$0	Formula on Line 52
51			

$$ROE\ Adder\ \$ = (CWIP/\$1,000,000) * IREF * (ROE\ Adder/1\%)$$

54	CWIP Related Costs wo FF&U:	\$22,719,374	Line 39 + Line 46 + Line 50
55	FF&U Expenses:	\$263,847	(28-FFU, L5 FF Factor + U Factor) * L54
56	CWIP Related Costs with FF&U:	\$22,983,221	Line 54 + Line 55
57			

58 **b) Determination of AFCR:**

59			
60	CWIP Related Costs wo FF&U:	\$22,719,374	Line 54
61	Prior Year TRR wo FF&U:	\$989,749,501	1-BaseTRR, Line 78
62	Prior Year TRR wo CWIP Related Costs:	\$967,030,127	Line 61 - Line 60
63	75% of O&M and A&G in Prior Year TRR:	\$97,438,608	(1-BaseTRR, Line 66 + Line 67) * .75
64	AFCR:	12.531%	(Line 62 - Line 63) / Line 31
65			

66 **2) Calculation of IFP TRR**

67			
68			<u>Reference</u>
69	Forecast Plant Additions:	\$540,379,822	16-PlantAdditions, L 25, C10
70	AFCR:	12.531%	Line 64
71	AFCR * Forecast Plant Additions:	\$67,712,592	Line 69 * Line 70
72			
73	Forecast Period Incremental CWIP:	\$301,458,237	10-CWIP, L 54, C8
74	AFCRCWIP:	10.244%	Line 16
75	AFCRCWIP * FP Incremental CWIP:	\$30,880,120	Line 73 * Line 74
76			
77	IFPTRR without FF&U:	\$98,592,712	Line 71 + Line 75
78			
79	Franchise Fees Expense:	\$907,615	Line 77 * FF (from 28-FFU, L 5)
80	Uncollectibles Expense:	\$237,372	Line 77 * U (from 28-FFU, L 5)
81			
82	Incremental Forecast Period TRR:	\$99,737,699	Line 77 + Line 79 + Line 80

Calculation of True Up Adjustment Component of TRR

1) Summary of True Up Adjustment calculation:

- a) Attribute True Up TRR to months in the Prior Year (see Note #1) to determine "Monthly True Up TRR" for each month (see Note #2).
- b) Determine monthly retail transmission revenues attributable to this formula transmission rate received during Prior Year.
- c) Compare costs in (a) to revenues in (b) on a monthly basis and determine "Cumulative Excess (-) or Shortfall (+) in Revenue with Interest".
- d) Include previous Annual Update Cumulative Excess or Shortfall in Prior Year (from Previous Annual Update Line 23) and any One-Time Adjustments in Column 4 (Lines 11 and 12 respectively).
- e) Continue interest calculation through the end of the Prior Year (Line 23) to determine Cumulative Excess or Shortfall for this Annual Update.

2) Comparison of True Up TRR and Actual Retail Transmission Revenues received during the Prior Year, Including previous Annual Update Cumulative Excess or Shortfall in Revenue.

Line		True Up TRR:	\$946,315,306	Source:	From 4-TUTRR,	Line 46						
		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>		
	Calculations:	See Note 2	See Note 3	See Note 4	= C2 - C3 + C 4	See Note 5	See Note 6	See Note 7	=C7 + C8			
				One-Time Adjustments and Shortfall/Excess			Cumulative Excess (-) or Shortfall (+) in Revenue wo Interest for Current Month			Cumulative Excess (-) or Shortfall (+) in Revenue with Interest		
		Monthly True Up TRR	Actual Retail Base Transmission Revenues	Revenue In Previous Annual Update	Monthly Excess (-) or Shortfall (+) in Revenue	Monthly Interest Rate		Interest for Current Month				
	<u>Month</u>	<u>Year</u>										
11	December	2016	---	---	\$56,501,075	---	\$56,501,075	---	---	\$56,501,075	---	---
12	January	2017	\$78,859,608.87	\$88,876,406	\$137,652	0.29%	\$46,621,930	\$149,528	\$46,771,458	\$46,771,458	\$46,771,458	\$46,771,458
13	February	2017	\$78,859,608.87	\$76,214,394		0.29%	\$49,416,673	\$139,473	\$49,556,146	\$49,556,146	\$49,556,146	\$49,556,146
14	March	2017	\$78,859,608.87	\$88,623,013		0.29%	\$39,792,742	\$129,556	\$39,922,297	\$39,922,297	\$39,922,297	\$39,922,297
15	April	2017	\$78,859,608.87	\$83,996,142		0.31%	\$34,785,765	\$115,797	\$34,901,562	\$34,901,562	\$34,901,562	\$34,901,562
16	May	2017	\$78,859,608.87	\$92,695,249		0.31%	\$21,065,922	\$86,750	\$21,152,672	\$21,152,672	\$21,152,672	\$21,152,672
17	June	2017	\$78,859,608.87	\$104,845,652		0.31%	-\$4,833,372	\$25,295	-\$4,808,077	-\$4,808,077	-\$4,808,077	-\$4,808,077
18	July	2017	\$78,859,608.87	\$123,594,050		0.33%	-\$49,542,518	-\$89,678	-\$49,632,197	-\$49,632,197	-\$49,632,197	-\$49,632,197
19	August	2017	\$78,859,608.87	\$125,785,396		0.33%	-\$96,557,983	-\$241,214	-\$96,799,197	-\$96,799,197	-\$96,799,197	-\$96,799,197
20	September	2017	\$78,859,608.87	\$106,851,758		0.33%	-\$124,791,346	-\$365,624	-\$125,156,971	-\$125,156,971	-\$125,156,971	-\$125,156,971
21	October	2017	\$78,859,608.87	\$100,653,472		0.35%	-\$146,950,834	-\$476,189	-\$147,427,023	-\$147,427,023	-\$147,427,023	-\$147,427,023
22	November	2017	\$78,859,608.87	\$88,159,107		0.35%	-\$156,726,521	-\$532,269	-\$157,258,789	-\$157,258,789	-\$157,258,789	-\$157,258,789
23	December	2017	\$78,859,608.87	\$89,149,113	\$69,586,981	0.35%	-\$97,961,312	-\$446,635	-\$98,407,948	-\$98,407,948	-\$98,407,948	-\$98,407,948

24 4) True Up Adjustment

			<u>Notes:</u>
26	Shortfall or Excess Revenue in Prior Year:	-\$98,407,948	Line 23, Column 9
27	Previous Annual Update TU Adjustment:	\$ (39,617,212)	Previous Annual Update Schedule 3, Line 30
28	TU Adjustment without Projected Interest	-\$58,790,736	Line 26 - Line 27
29	Projected Interest to Rate Year Mid-Point:	-\$3,703,816	Line 28 * (Line 23, Column 6) * 18 months
30	True Up Adjustment:	-\$62,494,552	Line 28 + Line 29. Positive amount is to be collected by SCE (included in Base TRR as a positive amount). Negative amount is to be returned to customers by SCE (included in Base TRR as a negative amount).

32 5) Final True Up Adjustment

- 33 The Final True Up Adjustment begins on the month after the last True Up Adjustment and extends through the termination date of this formula transmission rate.
- 34 The Final True Up Adjustment shall be calculated as above, with interest to the termination date of the Formula Transmission Rate.

37 Partial Year TRR Attribution Allocation Factors:

38	Partial Year		
39	Month	TRR AAF	Note:
40	January	6.376%	See Note 2.
41	February	5.655%	
42	March	7.183%	
43	April	8.224%	
44	May	8.018%	
45	June	8.945%	
46	July	9.891%	
47	August	10.141%	
48	September	10.218%	
49	October	9.179%	
50	November	7.530%	
51	December	8.640%	
52	Total:	100.000%	

54 Transmission Revenues: (Note 8)

55	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	
56	See Note 9	See Note 10					Sum of left	
57								
58								
59	Prior	Actual					Monthly	
60	Year	Retail Base					Total	
61		Transmission	Other		Public		Retail	
62	Month	Revenues	Transmission	Distribution	Generation	Purpose	Other	Revenue
63	Jan	\$88,876,406	-\$7,087,025	\$363,695,814	\$311,346,758	\$49,601,040	\$51,035,736	\$857,468,728
64	Feb	\$76,214,394	-\$6,699,589	\$307,753,182	\$259,118,518	\$36,338,088	\$47,178,057	\$719,902,650
65	Mar	\$88,623,013	-\$7,723,146	\$356,417,097	\$297,947,007	\$38,088,669	\$54,002,238	\$827,354,879
66	Apr	\$83,996,142	-\$7,536,484	\$188,886,686	\$282,082,099	\$37,109,156	\$51,830,193	\$636,367,793
67	May	\$92,695,249	-\$8,104,572	\$355,261,646	\$311,024,347	\$43,230,142	\$56,581,146	\$850,687,959
68	Jun	\$104,845,652	-\$12,956,109	\$402,432,158	\$527,362,392	\$45,581,306	\$64,335,180	\$1,131,600,579
69	Jul	\$123,594,050	-\$19,621,540	\$460,524,056	\$644,206,334	\$73,983,882	\$77,772,627	\$1,360,459,409
70	Aug	\$125,785,396	-\$18,661,552	\$472,206,916	\$682,290,749	\$79,884,679	\$78,382,836	\$1,419,889,024
71	Sep	\$106,851,758	-\$15,843,048	\$396,942,806	\$580,474,930	\$62,680,552	\$65,928,576	\$1,197,035,573
72	Oct	\$100,653,472	-\$15,014,567	\$247,390,825	\$390,764,399	\$42,021,234	\$61,154,923	\$826,970,286
73	Nov	\$88,159,107	-\$13,029,919	\$343,372,179	\$293,271,394	\$40,310,842	\$53,305,059	\$805,388,662
74	Dec	\$89,149,113	-\$13,623,612	\$351,130,269	\$301,056,365	\$38,410,019	\$55,407,794	\$821,529,949
75	Totals:	\$1,169,443,752	-\$145,901,162	\$4,246,013,634	\$4,880,945,294	\$587,239,607	\$716,914,366	\$11,454,655,492

76 "Total Sales to Ultimate Consumers" from FERC Form 1 Page 300, Line 10, Column b: **\$11,454,655,492**

Instructions:

- 1) Enter applicable years on Column 1, Lines 11-23 (Prior Year and December of the year previous to the Prior Year).
- 2) Enter Previous Annual Update True Up Adjustment (if any) on Line 27.
Enter with the same sign as in previous Annual Update. If there is no Previous Annual Update True Up Adjustment, then enter \$0.
- 3) Enter monthly interest rates in accordance with interest rate specified in the regulations of FERC at 18 C.F.R. §35.19a on lines 12 to 23, Column 6.
- 4) Enter any One Time Adjustments on Column 4, Line 12 (or other appropriate). If SCE is owed enter as positive, if SCE is to return to customers enter as negative.
One Time Adjustments include:
 - a) In the event that a Commission Order revises SCE's True Up TRR for a previous Prior Year, SCE shall include that difference in the True Up Adjustment, including interest, at the first opportunity, in accordance with tariff protocols. Entering on Line 12 (or other appropriate) ensures these One Time Adjustments are recovered from or returned to customers.
 - b) Any refunds attributable to SCE's previous CWIP TRR cases (Docket Nos. ER08-375, ER09-187, ER10-160, and ER11-1952), not previously returned to customers.
 - c) Amounts resulting from input errors impacting the True Up TRR in a previous Formula Rate Annual Update pursuant to Protocol Section 3(d)(8).
- 5) Fill in matrix of all retail revenues from Prior Year in table on lines 63 to 74.
- 6) Enter Total Sales to Ultimate Consumers on line 77 and verify that it equals the total on line 75.
- 7) If true up period is less than entire calendar year, then adjust calculation accordingly by including \$0 Monthly True Up TRR and \$0 Actual Retail Base Transmission Revenues for any months not included in True Up Period.

Notes:

- 1) The true up period is the portion (all or part) of the Prior Year for which the Formula Transmission Rate was in effect.
- 2) The Monthly True Up TRR is derived by multiplying the annual True Up TRR on Line 1 by 1/12, if formula was in effect. In the event of a Partial Year True Up, use the Partial Year TRR Attribution Allocation Factors on Lines 40 to 51 for each month of Partial Year True Up. Only enter in the Prior Year, Lines 12 to 23, or portion of year formula was in effect in case of Partial Year True Up. Partial Year True Up Allocation Factors calculated based on three years (2008-2010) of monthly SCE retail base transmission revenues.
- 3) "Actual Retail Base Transmission Revenues" are SCE retail transmission revenues attributable to this formula transmission rate. as shown on Lines 63 to 74, Column 1.
- 4) Enter "Shortfall or Excess Revenue in Previous Annual Update" on Line 11, or other appropriate (from Previous Annual Update, Line 23, Column 9).
- 5) Monthly Interest Rates in accordance with interest rate specified in the regulations of FERC (See Instruction #3).
- 6) "Cumulative Excess (-) or Shortfall (+) in Revenue w/o Interest for Current Month" is, beginning for the January month, the amount in Column 9 for previous month plus the current month amount in Column 5. For the first December, it is the amount in Column 5.
- 7) Interest for Current Month is calculated on average of beginning and ending balances (Column 9 previous month and Column 7 current month). No interest is applied for the first December.
- 8) Only provide if formula was in effect during Prior Year.
- 9) Only include Base Transmission Revenue attributable to this formula transmission rate.
Any other Base Transmission Revenue or refunds is included in "Other".
The Base Transmission Revenues shown in Column 1 shall be reduced to reflect any retail customer refunds provided by SCE associated with the formula transmission rate that are made through a CPUC-authorized mechanism.
- 10) Other Transmission Revenue includes the following:
 - a) Transmission Revenue Balancing Account Adjustment revenue.
 - b) Transmission Access Charge Balancing Account Adjustment.
 - c) Reliability Services Revenue.
 - d) Any Base Transmission Revenue not attributable to this formula.

Calculation of True Up TRR

A) Rate Base for True Up TRR

<u>Line</u>	<u>Rate Base Item</u>	<u>Calculation Method</u>	<u>Notes</u>	<u>FERC Form 1 Reference or Instruction</u>	<u>Amount</u>
1	ISO Transmission Plant	13-Month Avg.		6-PlantInService, Line 18	\$8,389,794,318
2	General + Elec. Misc. Intangible Plant	BOY/EOY Avg.		6-PlantInService, Line 24	\$269,354,228
3	Transmission Plant Held for Future Use	BOY/EOY Avg.		11-PHFU, Line 9	\$9,942,155
4	Abandoned Plant	BOY/EOY Avg.		12-AbandonedPlant Line 4	\$0
<u>Working Capital Amounts</u>					
5	Materials and Supplies	13-Month Avg.		13-WorkCap, Line 17	\$13,950,875
6	Prepayments	13-Month Avg.		13-WorkCap, Line 33	\$11,375,902
7	Cash Working Capital	1/8 (O&M + A&G)		1-Base TRR Line 7	<u>\$16,239,768</u>
8	Working Capital			Line 5 + Line 6 + Line 7	\$41,566,545
<u>Accumulated Depreciation Reserve Amounts</u>					
9	Transmission Depreciation Reserve - ISO	13-Month Avg.	Negative amount	8-AccDep, Line 14, Col. 12	-\$1,551,618,145
10	Distribution Depreciation Reserve - ISO	BOY/EOY Avg.	Negative amount	8-AccDep, Line 17, Col. 5	\$0
11	G + I Depreciation Reserve	BOY/EOY Avg.	Negative amount	8-AccDep, Line 23	<u>-\$109,889,267</u>
12	Accumulated Depreciation Reserve			Line 9 + Line 10 + Line 11	-\$1,661,507,412
13	Accumulated Deferred Income Taxes	BOY/EOY Avg.		9-ADIT, Line 15	-\$1,580,823,717
14	CWIP Plant	13-Month Avg.		14-IncentivePlant, L 12, C2	\$111,914,471
15	Network Upgrade Credits	BOY/EOY Avg.	Negative amount	22-NUCs, Line 7	-\$106,562,330
16	Unfunded Reserves			34-UnfundedReserves, Line 7	-\$10,860,907
17	Other Regulatory Assets/Liabilities	BOY/EOY Avg.		23-RegAssets, Line 15	\$0
18	Rate Base			L1+L2+L3+L4+L8+L12+ L13+L14+L15+L16+L17	\$5,462,817,351

B) Return on Capital

<u>Line</u>					
19	Cost of Capital Rate		See Instruction 1	Instruction 1, Line j	7.4385%
20	Return on Capital: Rate Base times Cost of Capital Rate			Line 18 * Line 19	\$406,352,817

C) Income Taxes

21	Income Taxes = $(((RB * ER) + D) * (CTR / (1 - CTR))) + CO / (1 - CTR)$				\$119,434,835
----	---	--	--	--	---------------

Where:

22	RB = Rate Base			Line 18	\$5,462,817,351
23	ER = Equity ROR inc. Com. and Pref. Stock	Instruction 1		Instruction 1, Line k	5.4254%
24	CTR = Composite Tax Rate			1-Base TRR L 59	27.9836%
25	CO = Credits and Other			1-Base TRR L 63	\$2,086,200
26	D = Book Depreciation of AFUDC Equity Book Basis			1-Base TRR L 65	\$3,535,511

D) True Up TRR Calculation

27	O&M Expense	1-Base TRR L 66	\$77,531,619
28	A&G Expense	1-Base TRR L 67	\$52,386,525
29	Network Upgrade Interest Expense	1-Base TRR L 68	\$6,116,851
30	Depreciation Expense	1-Base TRR L 69	\$241,415,721
31	Abandoned Plant Amortization Expense	1-Base TRR L 70	\$0
32	Other Taxes	1-Base TRR L 71	\$61,372,287
33	Revenue Credits	1-Base TRR L 72	-\$58,832,606
34	Return on Capital	Line 20	\$406,352,817
35	Income Taxes	Line 21	\$119,434,835
36	Gains and Losses on Transmission Plant Held for Future Use -- Land	1-Base TRR L 75	\$0
37	Amortization and Regulatory Debits/Credits	1-Base TRR L 76	<u>\$0</u>
38	Total without True Up Incentive Adder	Sum Line 27 to Line 37	\$905,778,049
39	True Up Incentive Adder	15-IncentiveAdder L 20	\$29,673,577
40	True Up TRR without Franchise Fees and Uncollectibles Expense included:	Line 38 + Line 39	\$935,451,626

E) Calculation of final True Up TRR with Franchise Fees and Uncollectibles Expenses

<u>Line</u>			<u>Reference:</u>
41	True Up TRR wo FF:	\$935,451,626	Line 40
42	Franchise Fee Factor:	0.921%	28-FFU, L 5
43	Franchise Fee Expense:	\$8,611,487	Line 41 * Line 42
44	Uncollectibles Expense Factor:	0.241%	28-FFU, L 5
45	Uncollectibles Expense:	\$2,252,193	Line 43 * Line 44
46	True Up TRR:	\$946,315,306	L 41 + L 43 + L 45

Instructions:

1) Use weighted average (by time) of the Return on Equity in effect during the Prior Year in determining the "Cost of Capital Rate" on Line 19 and the "Equity Rate of Return Including Preferred Stock" on Line 23 in the event that the ROE is revised during the Prior Year. In this event, the ROE used in Schedule 1 will differ from the ROE used in this Schedule 4, because the Schedule 1 ROE will be the most recent ROE, whereas the Schedule 4 Cost of Capital Rate and Equity Rate of Return including Com. + Pref. Stock will be based on the weighted-average ROE.

Calculation of weighted average Cost of Capital Rate in Prior Year:

If ROE does not change during year, then attribute all days to Line a "ROE at end of Prior Year" and none to "ROE at start of PY"

	<u>Percentage</u>	<u>Reference:</u>	<u>From</u>	<u>To</u>	<u>Days ROE In Effect</u>
a ROE at end of Prior Year	9.80%	See Line e below	Jan 1, 2017	Dec 31, 2017	365
b ROE start of Prior Year	9.80%	See Line f below			
c			Total days in year:		365
d Wtd. Avg. ROE in Prior Year	9.80%	((Line a ROE * Line a days) + (Line b ROE * Line b days)) / Total Days in Year			

Commission Decisions approving ROE:

	<u>Reference:</u>
e End of Prior Year	Settlement in ER11-3697
f Beginning of Prior Year	Settlement in ER11-3697

	<u>Percentage</u>	<u>Reference:</u>
g Wtd. Cost of Long Term Debt	2.0132%	1-Base TRR L 51
h Wtd. Cost of Preferred Stock	0.5068%	1-Base TRR L 52
i Wtd. Cost of Common Stock	4.9185%	1-Base TRR L 47 * Line d
j Cost of Capital Rate	7.4385%	Sum of Lines g to i

Calculation of Equity Rate of Return Including Common and Preferred Stock:

	<u>Percentage</u>	<u>Reference:</u>
k	5.4254%	Sum of Lines h to i

Calculation of Components of Cost of Capital Rate

Cells shaded yellow are input cells.

	Notes	FERC Form 1 Reference or Instruction	2017 Value	
RETURN AND CAPITALIZATION CALCULATIONS				
<u>Calculation of Long Term Debt Amount</u>				
1	Bonds -- Account 221	13-month avg.	5-ROR-2, Line 1	\$10,684,345,055
2	Less Reacquired Bonds -- Account 222	13-month avg.	5-ROR-2, Line 2	-\$40,384,615
3	Long Term Debt Advances from Associated Companies -- Account 223	13-month avg.	5-ROR-2, Line 3	\$0
4	Other Long Term Debt -- Account 224	13-month avg.	5-ROR-2, Line 4	\$424,282,124
5	Less Unamortized Discount on Long Term Debt -- Account 226	13-month avg.; enter negative	5-ROR-2, Line 6	-\$33,623,700
6	Unamortized Debt Expenses -- Account 181	13-month avg.; enter negative	5-ROR-2, Line 7	-\$83,307,522
7	Unamortized Loss on Reacquired Debt -- Account 189	13-month avg.; enter negative	5-ROR-2, Line 8	-\$176,083,211
8	Composite Tax Rate		1-BaseTRR, Line 59	27.98%
9	After tax amount of Unamortized Loss on Reacquired Debt		Line 7 * (1- Line 8)	-\$126,808,790
10	Removal of Long Term Debt Related to Fuel Inventories	13-month avg.; enter negative	5-ROR-2, Line 9	-\$572,623,814
11	Adjustments related to "LT Debt Related to Fuel Inventories"		5-ROR-2, Line 10	\$3,896,809
12	Long Term Debt Amount		Sum of Lines 1 to 6 and 9 to 11	\$10,255,775,546
<u>Calculation of Preferred Stock Amount</u>				
13	Preferred Stock Amount -- Account 204	13-month avg.	5-ROR-2, Line 11	\$2,281,594,181
14	Unamortized Issuance Costs	13-month avg.	5-ROR-2, Line 12	-\$44,042,736
15	Net Gain (Loss) From Purchase and Tender Offers	13-month avg.	5-ROR-2, Line 13	-\$12,930,516
16	Preferred Stock Amount		Sum of Lines 13 to 15	\$2,224,620,929
<u>Calculation of Common Stock Equity Amount</u>				
17	Total Proprietary Capital	13-month avg.	5-ROR-2, Line 14	\$14,822,803,188
18	Less Preferred Stock Amount -- Account 204	Same as L 13, but negative	5-ROR-2, Line 11	-\$2,281,594,181
19	Minus Net Gain (Loss) From Purchase and Tender Offers	Same as L 15, but reverse sign	5-ROR-2, Line 13	\$12,930,516
20	Less Unappropriated Undist. Sub. Earnings -- Acct. 216.1	13-month avg.	5-ROR-2, Line 15	\$2,603,770
21	Less Accumulated Other Comprehensive Loss -- Account 219	13-month avg.	5-ROR-2, Line 16	\$18,479,587
22	Common Stock Equity Amount		Sum of Lines 17 to 21	\$12,575,222,880

Calculation of 13-Month Average Capitalization Balances

Year **2017**

Line	Item	Col 1 13-Month Avg. = Sum (Cols. 2-14)/13	Col 2 December	Col 3 January	Col 4 February	Col 5 March	Col 6 April	Col 7 May	Col 8 June	Col 9 July	Col 10 August	Col 11 September	Col 12 October	Col 13 November	Col 14 December
Bonds -- Account 221 (Note 1):															
1		\$10,684,345,055	\$10,296,542,857	\$10,431,542,857	\$10,392,257,143	\$10,957,257,143	\$10,957,257,143	\$10,557,257,143	\$10,557,257,143	\$10,857,257,143	\$10,817,971,429	\$10,817,971,429	\$10,817,971,429	\$10,717,971,429	\$10,717,971,429
Reacquired Bonds -- Account 222 (Note 2): enter - of FF1															
2		-\$40,384,615	-\$165,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000
Long Term Debt Advances from Associated Companies (Note 3):															
3		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Long Term Debt -- Account 224 (Note 4):															
4		\$424,282,124	\$306,621,506	\$471,616,306	\$471,611,083	\$606,605,839	\$606,600,572	\$606,595,284	\$606,589,973	\$306,584,639	\$306,579,284	\$306,573,905	\$306,568,504	\$306,563,080	\$306,557,633
Unamortized Premium on Long Term Debt -- Account 225 (Note 5)															
5		\$6,680,027	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,802,461	\$21,740,878	\$21,679,295	\$21,617,712
Less Unamortized Discount on Long Term Debt -- Account 226 (Note 6): enter - of FF1															
6		-\$33,623,700	-\$34,304,356	-\$34,124,678	-\$33,976,130	-\$34,268,167	-\$34,093,163	-\$33,909,673	-\$33,738,132	-\$33,554,761	-\$33,377,305	-\$33,205,764	-\$33,022,393	-\$32,855,820	-\$32,677,760
Unamortized Debt Expenses -- Account 181 (Note 7): enter - of FF1															
7		-\$83,307,522	-\$78,466,386	-\$79,500,131	-\$78,931,113	-\$85,565,223	-\$84,846,360	-\$84,197,371	-\$83,548,381	-\$84,336,533	-\$83,662,293	-\$85,916,773	-\$85,238,764	-\$84,577,795	-\$84,210,666
Unamortized Loss on Reacquired Debt -- Account 189 (Note 8): enter - of FF1															
8		-\$176,083,211	-\$184,457,795	-\$183,057,531	-\$181,657,268	-\$180,257,004	-\$178,856,740	-\$177,456,477	-\$176,056,213	-\$174,655,949	-\$173,255,685	-\$171,920,046	-\$170,519,600	-\$169,119,154	-\$167,812,285
Removal of Long Term Debt Related to Fuel Inventories (Note 9)															
9		-\$572,623,814	-\$789,264,569	-\$757,352,942	-\$725,441,315	-\$570,307,143	-\$563,918,756	-\$551,717,554	-\$545,434,855	-\$539,152,156	-\$532,869,457	-\$526,586,758	-\$520,304,059	-\$414,021,360	-\$407,738,661
Adjustments related to "LT Debt Related to Fuel Inventories" (Note 10)															
10		\$3,896,809	\$5,175,530	\$5,090,685	\$5,005,840	\$4,920,995	\$4,836,151	\$4,751,306	\$4,666,461	\$2,802,823	\$2,868,549	\$2,773,576	\$2,680,175	\$2,588,345	\$2,498,086
Preferred Stock Amount -- Account 204 (Note 11):															
11		\$2,281,594,181	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950	\$2,245,054,950
Unamortized Issuance Costs (Note 12): enter - of FF1															
12		-\$44,042,736	-\$43,904,550	-\$43,612,325	-\$43,320,100	-\$43,027,875	-\$42,735,649	-\$42,443,424	-\$42,151,200	-\$41,859,075	-\$41,566,850	-\$41,274,625	-\$40,982,400	-\$40,690,175	-\$40,397,950
Net Gain (Loss) From Purchase and Tender Offers (Note 13):															
13		-\$12,930,516	-\$7,396,211	-\$7,345,987	-\$7,295,763	-\$7,195,315	-\$7,145,091	-\$7,145,091	-\$7,094,867	-\$19,793,826	-\$19,708,188	-\$19,622,550	-\$19,536,911	-\$19,451,273	-\$19,365,634
Total Proprietary Capital (Note 14):															
14		\$14,822,803,188	\$14,482,786,817	\$14,615,648,032	\$14,509,372,060	\$14,623,685,111	\$14,705,023,359	\$14,808,546,334	\$15,195,168,410	\$14,852,851,255	\$14,841,775,399	\$14,993,193,820	\$15,128,682,538	\$15,267,986,011	\$14,671,722,293
Unappropriated Undist. Sub. Earnings -- Acct. 216.1 (Note 15): enter - of FF1															
15		\$2,603,770	\$2,603,436	\$2,603,437	\$2,603,437	\$2,603,437	\$2,603,437	\$2,604,191	\$2,604,191	\$2,604,191	\$2,604,191	\$2,604,050	\$2,604,050	\$2,603,481	\$2,603,481
Accumulated Other Comprehensive Loss -- Account 219 (Note 16): enter - of FF1															
16		\$18,479,587	\$20,446,907	\$19,981,024	\$19,515,140	\$17,543,914	\$18,734,452	\$18,250,527	\$18,131,535	\$17,647,610	\$18,713,013	\$18,000,214	\$17,516,289	\$17,032,364	\$18,721,643

Instructions:

- 1) Enter 13 months of balances for capital structure for Prior Year and December previous to Prior Year in Columns 2-14. Beginning and End of year amounts in Columns 2 and 14 are from FERC Form 1, as referenced in below notes.

Notes:

- 1) Amount in Column 2 from FF1 112.18d, amount in Column 14 from FF1 112.18c, amounts in columns 3-13 from SCE internal records.
- 2) Amount in Column 2 from FF1 112.19d, amount in Column 14 from FF1 112.19c, amounts in columns 3-13 from SCE internal records.
- 3) Amount in Column 2 from FF1 112.20d, amount in Column 14 from FF1 112.20c, amounts in columns 3-13 from SCE internal records.
- 4) Amount in Column 2 from FF1 112.21d, amount in Column 14 from FF1 112.21c, amounts in columns 3-13 from SCE internal records.
- 5) Amount in Column 2 from FF1 112.22c, amount in Column 14 from FF1 112.22d, amounts in columns 3-13 from SCE internal records.
- 6) Amount in Column 2 from FF1 112.23c, amount in Column 14 from FF1 112.23d, amounts in columns 3-13 from SCE internal records.
- 7) Amount in Column 2 from FF1 111.69c, amount in Column 14 from FF1 111.69d, amounts in columns 3-13 from SCE internal records.
- 8) Amount in Column 2 from FF1 111.81c, amount in Column 14 from FF1 111.81d, amounts in columns 3-13 from SCE internal records.
- 9) Amounts in Columns 2-14 are from SCE internal records.
- 10) Amounts in Columns 2-14 are from SCE internal records.
- 11) Amount in Column 2 from FF1 112.3d, amount in Column 14 from FF1 112.3c, amounts in columns 3-13 from SCE internal records.
- 12) Amounts in Columns 2-14 are from SCE internal records.
- 13) Amounts in Columns 2-14 are from SCE internal records.
- 14) Amount in Column 2 from FF1 112.16c, amount in Column 14 from FF1 112.16d, amounts in columns 3-13 from SCE internal records.
- 15) Amount in Column 2 from FF1 112.12c, amount in Column 14 from FF1 112.12d, amounts in columns 3-13 from SCE internal records.
- 16) Amount in Column 2 from FF1 112.15c, amount in Column 14 from FF1 112.15d, amounts in columns 3-13 from SCE internal records.

Long Term Debt Cost Percentage

At End of Year ("EOY") for Prior Year: 2017

1) Calculation of "Long Term Debt Cost Percentage"

Line		Amount	Reference
1	Total Annual Cost of Outstanding Series Debt:	\$499,100,333	Line 200, Col 10
2	Total Annual Amortized Loss on Reacquired Debt:	\$16,710,135	Line 500, Col 3
3	Total Annual Cost of Debt:	\$515,810,468	= L1 + L2
4			
5	Total "Principal Amount Outstanding" Debt:	\$10,616,790,400	Line 200, Col 5
6	Total Reacquired Debt:	-\$30,000,000	Line 205, Col 5
7	Total Unamortized Loss on Reacquired Debt:	-\$99,214,072	Line 500, Col 2
8	Total Debt Balance:	\$10,487,576,329	= L5 + L6 + L7
9			
10	Long Term Debt Cost Percentage:	4.918%	= L3 / L8

2) Long Term Debt Information for each Outstanding Series

Col 1 FF1 256, Col a Col 2 FF1 256, Col d Col 3 FF1 256, Col e Col 4 FF1 256, Col a Col 5 FF1 256, Col b Col 6 Note 1 Col 7 Section 4 Col 8 = Col 5 - Col 7 Col 9 Note 2 Col 10 = Col 5 * Col 9

Line	Series	Date of Offering	Maturity Date	Coupon Rate	Principal Amount Outstanding (\$000s)	Amortization Period (Years)	Net Discount & Issuance Cost (\$000s)	Net Proceeds (\$000s)	Cost of Money	Annual Cost (\$000s)	Comments: See below
101	Series 2004B	1/14/2004	1/15/2034	6.000%	\$525,000	16.0	\$4,520	\$520,480	6.085%	\$31,946	
102	Series 2004G	3/23/2004	4/1/2035	5.750%	\$350,000	17.0	\$1,814	\$348,186	5.798%	\$20,294	
103	Series 2005B	1/19/2005	1/15/2036	5.550%	\$250,000	18.0	\$1,812	\$248,188	5.614%	\$14,036	
104	Series 2005E	6/27/2005	7/15/2035	5.350%	\$350,000	18.0	\$1,916	\$348,084	5.398%	\$18,893	
105	Series 2006A	1/31/2006	2/1/2036	5.625%	\$350,000	18.0	\$2,589	\$347,411	5.691%	\$19,919	
106	Series 2006E	12/11/2006	1/15/2037	5.550%	\$400,000	19.0	\$3,926	\$396,074	5.635%	\$22,539	
107	Series 2008A	1/22/2008	2/1/2038	5.950%	\$600,000	20.0	\$6,094	\$593,906	6.038%	\$36,229	
108	Series 2008B	8/18/2008	8/15/2018	5.500%	\$400,000	1.0	\$343	\$399,657	5.589%	\$22,357	
109	Series 2009A	3/20/2009	3/15/2039	6.050%	\$500,000	21.0	\$6,508	\$493,492	6.161%	\$30,807	
110	Series 2010A	3/11/2010	3/15/2040	5.500%	\$500,000	22.0	\$8,425	\$491,575	5.635%	\$28,173	
111	Series 2010B	8/30/2010	9/1/2040	4.500%	\$500,000	23.0	\$6,425	\$493,575	4.591%	\$22,955	
112	Series 2011A	5/17/2011	6/1/2021	3.875%	\$500,000	3.0	\$2,439	\$497,561	4.049%	\$20,247	
113	Series 2011E	11/12/2011	12/1/2041	3.900%	\$250,000	24.0	\$3,267	\$246,733	3.985%	\$9,963	
114	Series 2012A	3/13/2012	3/15/2042	4.050%	\$400,000	24.0	\$7,281	\$392,719	4.171%	\$16,683	
115	Series 2013A	3/7/2013	3/15/2043	3.900%	\$400,000	25.0	\$5,630	\$394,370	3.989%	\$15,958	
116	Series 2013C	10/2/2013	10/1/2023	3.500%	\$600,000	6.0	\$3,615	\$596,385	3.613%	\$21,676	
117	Series 2013D	10/2/2013	10/1/2043	4.650%	\$800,000	26.0	\$12,233	\$787,767	4.753%	\$38,025	
118	Series 2014B	5/9/2014	5/1/2017	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1
119	Series 2014C	11/7/2014	11/1/2017	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2
120	Series 2015A	1/26/2015	2/1/2022	1.845%	\$141,118	4.0	\$1,041	\$140,077	2.038%	\$2,876	3
121	Series 2015B	1/26/2015	2/1/2022	2.400%	\$129,715	4.0	\$624	\$129,091	2.527%	\$3,278	4
122	Series 2015C	1/26/2015	2/1/2045	3.600%	\$425,000	27.0	\$5,702	\$419,298	3.679%	\$15,635	
123	Series 2017A	3/24/2017	4/1/2047	4.000%	\$1,000,000	29.0	\$10,873	\$989,127	4.064%	\$40,642	
124	SONGS_2006A	4/5/2013	4/1/2028	1.375%	\$157,500	10.0	\$677	\$156,823	1.421%	\$2,238	
125	SONGS_2006B	4/5/2013	4/1/2028	1.900%	\$38,500	10.0	\$229	\$38,271	1.966%	\$757	
126	Series 2006C&D	4/12/2006	11/1/2033	2.625%	\$135,000	16.0	\$1,788	\$133,212	2.728%	\$3,682	
127	CLARK COUNTY 2010	4/1/2015	6/1/2031	1.875%	\$75,000	13.0	\$1,033	\$73,967	1.996%	\$1,497	
128	4CRNRS 2011	4/1/2015	4/1/2029	1.875%	\$55,540	11.0	\$734	\$54,806	2.009%	\$1,116	
129	Series PV2000AB	3/1/2004	6/1/2035	5.000%	\$144,400	17.0	\$313	\$144,087	5.019%	\$7,248	
130	Series 4CRNRS 05AB	4/1/2015	4/1/2029	1.875%	\$203,460	11.0	\$1,844	\$201,616	1.967%	\$4,002	
131	SONGS 2010A	9/21/2010	9/1/2029	4.500%	\$100,000	12.0	\$1,232	\$98,768	4.635%	\$4,635	
132	CPCFA SONGS 2011	9/1/2011	9/1/2031	0.796%	\$30,000	14.0	\$239	\$29,761	0.857%	\$257	5
133	CPCFA SONGS 2011	9/1/2011	9/1/2031	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6
134	6.65% Notes	4/1/1999	4/1/2029	6.650%	\$300,000	11.0	\$1,968	\$298,032	6.735%	\$20,206	
135	Ft. Irwin Loan	9/1/2003	9/1/2053	5.060%	\$6,558	36.0	\$0	\$6,558	5.060%	\$332	7
136	Term Loan	1/13/2017	9/8/2017	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8
137	...										

Comments for Section 2 "Long Term Debt Information for each Outstanding Series":

<u>Comment #:</u>	<u>Comment</u>
1	Bond matured in 2017.
2	Fuel Bond matured in 2017.
3	Does not tie to FF1 amount because it only includes Excess Regulatory Asset Amount.
4	Does not tie to FF1 amount because it only includes Excess Regulatory Asset Amount
5	FF1 has the variable rate. 0.796% is based on 2017 average.
6	Reacquired series are shown below in Section 3 see line 201
7	Principal amount reduces over time. FF1 amount reflects principal balance on the date of offering.
8	Bond matured in 2017.
...	

200 Total Principal Amount Outstanding (sum of above * 1,000): \$10,616,790,400 Total Annual Cost (sum of above * 1,000): \$499,100,333

3) Long Term Debt Information for each Reacquired Series

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	
	<u>Series</u>	<u>Date of Offering</u>	<u>Maturity Date</u>	<u>Coupon Rate</u>	<u>Principal Amount (\$000s)</u>	<u>Comment #</u>
201	SONGS 2011 Series	9/1/2011	9/1/2031	0.407%	-\$30,000	
202						
203						
204	...					
205	Total Principal Amount (sum of above * 1,000):				-\$30,000,000	

Comments for Section 3 "Long Term Debt Information for each Reacquired Series":

<u>Comment #:</u>	<u>Comment</u>

4) Debt Issuance Cost and Discount Details for each Outstanding Series

	Col 1	Col 2	Col 3
Line	Series	Unamortized Debt Issuance Cost (Dec of Prior Year)	Total Unamortized Debt Discounts (Dec of PY)
301	Series 2004B	\$2,665,100	\$1,855,139
302	Series 2004G	\$1,728,780	\$85,628
303	Series 2005B	\$1,384,926	\$426,890
304	Series 2005E	\$1,817,692	\$98,087
305	Series 2006A	\$2,072,385	\$516,886
306	Series 2006E	\$2,549,836	\$1,376,662
307	Series 2008A	\$4,247,433	\$1,846,140
308	Series 2008B	\$201,896	\$141,141
309	Series 2009A	\$3,612,203	\$2,895,657
310	Series 2010A	\$3,958,352	\$4,466,469
311	Series 2010B	\$4,022,487	\$2,402,438
312	Series 2011A	\$1,457,837	\$981,520
313	Series 2011E	\$2,151,320	\$1,115,380
314	Series 2012A	\$3,467,250	\$3,813,926
315	Series 2013A	\$3,625,567	\$2,004,837
316	Series 2013C	\$3,008,083	\$607,368
317	Series 2013D	\$7,508,686	\$4,724,693
318	Series 2014B	N/A	N/A
319	Series 2014C	N/A	N/A
320	Series 2015A	\$1,040,703	\$0
321	Series 2015B	\$618,604	\$5,290
322	Series 2015C	\$4,229,358	\$1,472,598
323	Series 2017A	\$10,395,121	\$477,441
324	SONGS_2006A	\$676,620	\$0
325	SONGS_2006B	\$229,218	\$0
326	Series 2006C&D	\$1,788,139	\$0
327	CLARK COUNTY 2010	\$1,033,398	\$0
328	4CRNRS 2011	\$733,747	\$0
329	Series PV2000AB	\$313,488	\$0
330	Series 4CRNRS 05AB	\$1,843,701	\$0
331	SONGS 2010A	\$1,231,661	\$0
332	CPCFA SONGS 2011	\$239,167	\$0
333	CPCFA SONGS 2011	N/A	N/A
334	6.65% Notes	\$612,597	\$1,355,646
335	Ft. Irwin Loan	\$0	\$0
336	Term Loan	N/A	N/A
337	...		

5) Loss on Reacquired Debt Cost Details

	Col 1	Col 2	Col 3
Line	Series	Unamortized Loss (Dec of PY) ('000s)	Amortized Loss ('000s)
401	86-B	-\$224	\$506
402	86-B	-\$22	\$49
403	86-A	-\$1,095	\$246
404	88-C	-\$1,161	\$261
405	VVP,WWP,XXP,YYP	-\$658	\$203
406	89-A	\$0	\$0
407	89-A	-\$2,732	\$567
408	86-A	-\$4,478	\$1,098
409	MM	-\$65	\$649
410	ZZ	-\$795	\$1,263
411	VVP-WWP-YYP	-\$488	\$251
412	85-A	-\$528	\$255
413	85-C	\$0	\$715
414	85-C	-\$462	\$157
415	86-K	\$0	\$0
416	86-K	\$0	\$313
417	86-K	\$0	\$1
418	91-B	-\$1,775	\$562
419	91-C	-\$2,075	\$546
420	91-A	-\$2,906	\$436
421	86J, 88D & 87E-H	-\$1,298	\$188
422	190-PV-85B-G	-\$115	\$11
423	100-MOH-87-A	-\$160	\$20
424	MOHAVE-90A-15M	-\$96	\$12
425	93C, 93G, 93I & QUIP	-\$3,765	\$396
426	93C, 93G & 93I Premium	-\$3,352	\$353
427	2004B (Hedge)	-\$1,648	\$173
428	2004G (Hedge)	-\$826	\$81
429	2003B	-\$21,096	\$1,974
430	2003B	-\$6,769	\$651
431	2005E (Hedge)	-\$1,388	\$134
432	91-D(PC)-28.585M	-\$201	\$19
433	92-C(PC)-30M	-\$422	\$41
434	92-E(PC)-190M	-\$1,893	\$182
435	CA'86-D-G-196M	-\$43	\$7
436	CA-84-A/(86-D-G)	-\$61	\$10
437	CA'87-A-D-135M	-\$180	\$19
438	CA-84-A/(86-D-G) SWAP	-\$1,859	\$306
439	2006E (Hedge)	-\$3,301	\$293

5) Loss on Reacquired Debt Cost Details (Continued)

	Col 1	Col 2	Col 3
Line	Series	Unamortized Loss (Dec of PY) ('000s)	Amortized Loss ('000s)
440	#2008A (Hedge)\$21,372,964.	-\$8,470	\$712
441	#2008B (Hedge)\$11,410,320.	-\$420	\$1,142
442	Reamarketed - 5/27/10	-\$78	\$55
443	Refunded - 9/24/10	-\$4,023	\$582
444	Refunded-5/19/11 (4Cmrs 1999A)	-\$238	\$36
445	Refunded-5/19/11 (4Cmrs 1999A)	-\$85	\$13
446	Retired 12/01/2011	-\$661	\$63
447	Reamarketed - 4/5/2013	-\$603	\$99
448	2004A Retired Bond Premium	-\$5,379	\$353
449	2008C Retired Bond Premium	-\$1,796	\$118
450	2015C	-\$9,491	\$591
451	\$300M TERM LOAN	-\$38	\$1
452	...		
500	Totals (sum of above * 1000):	-\$99,214,072	\$16,710,135

Notes:

- 1) Equal to maturity date less end of the year for prior year
- 2) 18 CFR 35.13 (22) Statement AV - Rate of Return (ii)(B)(6) Cost of money

Preferred Stock Cost Percentage

At End of Year ("EOY") for Prior Year: 2017

1) Calculation of "Preferred Stock Cost Percentage"

Line		Amount	Reference
1	Total Annual Cost of Preferred Stock:	\$126,019,184	Line 112, Col 9
2	Total Reacquired Preferred Stock Cost:	\$1,027,661	Line 312, Col 6
3	Total Annual Cost of Preferred:	\$127,046,845	= L1 + L2
4			
5	Total Preferred Stock Amount Outstanding:	\$2,245,054,950	Line 112, Col 4
6	Total Unamortized Issuance Costs:	\$19,365,634	Line 312, Col 4
7	Total Preferred Balance:	\$2,225,689,316	= L5 - L6
8			
9	Preferred Stock Cost Percentage:	5.708%	= L3 / L7

2) Preferred Stock Information for each Outstanding Series

Col 1: FF1 250, Col a Col 2: SCE Records Col 3: FF1 250, Col a Col 4: FF1 251, Col f Col 5: Sec 3, Col 2 Col 6: = Col 4 - Col 5 Col 7: = Col 6 / Col 4 Col 8: = Col 3 / Col 7 Col 9: = Col 4 * Col 8

Line	Preferred Stock	Issue Date	Dividend Rate	Face Value / Amount Outstanding ('000s)	Total Issuance Cost ('000s)	Net Proceeds at Issuance ('000s)	% of Face Value	Cost of Money / Effective Rate	Annualized Cost ('000s)	Notes	
101	\$25 Par Value 4.32% Series	5/8/1947	4.320%	\$41,336	-\$763	\$42,099	101.8%	4.242%	\$1,753		
102	\$25 Par Value 4.08% Series	5/19/1950	4.080%	\$16,250	-\$40	\$16,290	100.2%	4.070%	\$661		
103	\$25 Par Value 4.24% Series	2/15/1956	4.240%	\$30,000	-\$84	\$30,084	100.3%	4.228%	\$1,268		
104	\$25 Par Value 4.78% Series	2/10/1958	4.780%	\$32,419	-\$50	\$32,469	100.2%	4.773%	\$1,547		
105	Series E	1/17/2012	6.250%	\$350,000	\$5,957	\$344,043	98.3%	6.483%	\$22,689		
106	Series G	1/29/2013	5.100%	\$400,010	\$12,972	\$387,038	96.8%	5.317%	\$21,268		
107	Series H	3/6/2014	5.750%	\$475,010	\$6,272	\$468,738	97.7%	6.056%	\$16,654		
108	Series J	8/24/2015	5.375%	\$325,010	\$6,420	\$318,590	98.0%	5.635%	\$18,313		
109	Series K	3/8/2016	5.450%	\$300,010	\$6,960	\$293,050	97.7%	5.757%	\$17,271		
110	Series L	6/26/2017	5.000%	\$475,010	\$12,801	\$462,209	97.3%	5.177%	\$24,593		
111	...										
112	Total Amount Outstanding (sum of above * 1,000):				\$2,245,054,950	Total Annual Cost (sum of above * 1,000):				\$126,019,184	

3) Preferred Stock Issuance Cost Details for each Outstanding Series

Col 1: Same list as in Section 2 Col 2: SCE Records Col 3: SCE Records Col 4: SCE Records Col 5:

Line	Preferred Stock	Total Issuance Cost ('000s)	Unamortized Cost ('000s)	Full Amortization Period	Notes
201	\$25 Par Value 4.32% Series	-\$763	---	30	Fully amortized
202	\$25 Par Value 4.08% Series	-\$40	---	30	Fully amortized
203	\$25 Par Value 4.24% Series	-\$84	---	30	Fully amortized
204	\$25 Par Value 4.78% Series	-\$50	---	30	Fully amortized
205	Series E	\$5,957	\$2,433	10	
206	Series G	\$12,972	\$10,846	30	Redeemed Series B and C
207	Series H	\$6,272	\$3,920	10	
208	Series J	\$6,420	\$4,922	10	
209	Series K	\$6,960	\$5,742	10	Redeemed Series D
210	Series L	\$12,801	\$12,422	30	
211	...				

4) Reacquired Preferred Stock Information

	Col 1 SCE Records	Col 2 SCE Records	Col 3 SCE Records	Col 4 SCE Records	Col 5 SCE Records	Col 6 SCE Records	
Line	Preferred Stock	Call Date	Total Issuance Cost	Unamortized Issuance Cost ('000s)	Amortization Period	Issuance Amortization Cost ('000s)	Notes
301	8.540% Preferred, premium	11/1/1985	-\$287	-\$15	34	-\$8	Net gain from open-market purchase of 67,400 shares in November 1985
302	12.000% Preferred, redemption	2/1/1986	\$6,248	\$383	34	\$184	Redemption premium paid to holders (so loss to company)
303	12.000% Preferred, redemption	2/1/1986	\$1,025	\$63	34	\$30	Initial issue discount
304	Series A	6/16/2012	\$0	\$0	5	\$0	Fully amortized
305	Series B	2/28/2013	\$2,586	\$2,170	30	\$86	Redeemed by Series G
306	Series C	2/28/2013	\$2,887	\$2,422	30	\$96	Redeemed by Series G
307	Series D	3/31/2016	\$2,148	\$1,772	10	\$215	Series D was redeemed by Series K
308	Series F	7/19/2017	\$12,749	\$12,572	30	\$425	Redeemed by Series L
309							
310							
311	...						
312	Total Annual Cost (sum of above * 1,000):			\$19,365,634		\$1,027,661	

Plant In Service

Inputs are shaded yellow

1) Transmission Plant - ISO

Balances for Transmission Plant - ISO during the Prior Year, including December of previous year (See Note 1):

Prior Year: 2017

Line	Mo/YR	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
		350.1	350.2	352	353	354	355	356	357	358	359	Total	Sum C2 - C11
1	Dec 2016	\$86,845,703	165,326,927	\$531,582,611	\$3,249,175,449	\$2,233,991,232	\$324,258,228	\$1,235,903,791	\$185,508,197	\$81,951,072	\$182,027,086	\$8,276,570,295	
2	Jan 2017	\$81,997,511	\$165,330,397	\$528,854,083	\$3,250,037,231	\$2,231,001,014	\$335,699,493	\$1,232,564,516	\$185,656,754	\$81,997,920	\$160,125,968	\$8,253,264,889	
3	Feb 2017	\$82,013,020	\$165,784,066	\$534,882,418	\$3,256,654,353	\$2,213,130,982	\$339,965,913	\$1,235,030,894	\$186,119,194	\$82,775,424	\$161,709,715	\$8,258,065,980	
4	Mar 2017	\$82,413,677	\$165,733,853	\$532,806,954	\$3,260,114,606	\$2,225,922,423	\$342,740,514	\$1,241,178,225	\$186,361,377	\$83,455,651	\$161,453,729	\$8,282,181,008	
5	Apr 2017	\$82,424,960	\$165,734,429	\$540,340,485	\$3,290,596,932	\$2,251,979,965	\$344,598,339	\$1,244,265,048	\$186,611,561	\$83,540,944	\$161,600,158	\$8,351,692,820	
6	May 2017	\$82,438,880	\$165,704,351	\$548,767,497	\$3,303,060,549	\$2,258,078,709	\$345,368,677	\$1,242,476,528	\$187,117,539	\$83,717,689	\$168,349,232	\$8,385,079,651	
7	Jun 2017	\$81,409,531	\$165,534,488	\$552,041,270	\$3,313,909,561	\$2,261,350,618	\$347,377,534	\$1,244,803,717	\$188,491,607	\$84,190,542	\$167,806,375	\$8,406,915,244	
8	Jul 2017	\$81,421,876	\$165,199,675	\$554,107,049	\$3,321,544,471	\$2,263,663,368	\$350,109,485	\$1,244,039,916	\$188,624,718	\$84,257,050	\$167,839,950	\$8,420,807,557	
9	Aug 2017	\$81,875,011	\$164,728,138	\$558,293,842	\$3,350,799,129	\$2,265,082,996	\$350,778,178	\$1,246,103,080	\$188,962,876	\$84,383,656	\$168,194,579	\$8,459,201,484	
10	Sep 2017	\$81,886,831	\$164,709,520	\$560,085,940	\$3,354,129,789	\$2,263,017,844	\$354,174,067	\$1,247,812,337	\$189,290,136	\$84,485,994	\$168,808,262	\$8,468,400,720	
11	Oct 2017	\$81,898,670	\$164,708,798	\$557,690,365	\$3,337,803,870	\$2,267,000,466	\$357,358,231	\$1,247,335,361	\$189,937,864	\$84,808,333	\$169,009,660	\$8,457,551,618	
12	Nov 2017	\$87,866,111	\$164,907,957	\$559,289,849	\$3,340,005,249	\$2,268,750,108	\$362,445,561	\$1,244,772,136	\$190,107,796	\$84,849,890	\$171,154,663	\$8,474,149,320	
13	Dec 2017	\$87,876,203	\$164,901,118	\$569,698,023	\$3,409,447,774	\$2,283,380,922	\$364,424,080	\$1,245,933,686	\$190,222,489	\$84,920,374	\$172,640,885	\$8,573,445,553	
14	13-Mo. Avg:	\$83,259,076	\$165,254,132	\$548,341,568	\$3,310,559,920	\$2,252,796,204	\$347,638,331	\$1,242,478,403	\$187,924,008	\$83,794,965	\$167,747,712	\$8,389,794,318	

2) Distribution Plant - ISO

Balances for Distribution Plant - ISO for December of Prior Year and year before Prior Year (See Note 2)

Line	Mo/YR	Col 1	Col 2	Col 3	Col 4	Col 5	Total
		360	361	362	Total	Sum C2 - C4	
15	Dec 2016	\$0	\$0	\$0	\$0	\$0	\$0
16	Dec 2017	\$0	\$0	\$0	\$0	\$0	\$0
17	Average:	\$0	\$0	\$0	\$0	\$0	\$0

3) ISO Transmission Plant

ISO Transmission Plant is the sum of "Transmission Plant - ISO" and "Distribution Plant - ISO"

	<u>Amount</u>	<u>Source</u>
18	Average value: \$8,389,794,318	Sum of Line 14, Col 12 and Line 17, Col 5
19	EOY Value: \$8,573,445,553	Sum of Line 13, Col 12 and Line 16, Col 5

4) General Plant + Electric Miscellaneous Intangible Plant ("G&I Plant")

General and Intangible Plant is an allocated portion of Total G&I Plant based on the Trans. W&S Allocation Factor

	Note 1 Prior Year Month	Data Source	Col 1 General Plant Balances	Col 2 Intangible Plant Balances	Col 3 Total G&I Plant Balances	Notes
20	December	FF1 206.99.b and 204.5b	\$2,941,903,413	\$1,588,136,353	\$4,530,039,766	BOY amount from previous PY
21	December	FF1 207.99.g and 205.5g	\$3,102,162,333	\$1,324,870,316	\$4,427,032,649	End of year ("EOY") amount
a) BOY/EOY Average G&I Plant			Amount	Source		
22		Average BOY/EOY Value:	\$4,478,536,208	Average of Line 20 and 21.		
23		Transmission W&S Allocation Factor:	6.0143%	27-Allocators, Line 9		
24		General + Intangible Plant:	\$269,354,228	Line 22 * Line 23.		
b) EOY G&I Plant			Amount	Source		
25		EOY Value:	\$4,427,032,649	Line 21.		
26		Transmission W&S Allocation Factor:	6.0143%	27-Allocators, Line 9		
27		General + Intangible Plant:	\$266,256,631	Line 25 * Line 26.		

Transmission Activity Used to Determine Monthly Transmission Plant - ISO Balances

1) Total Transmission Plant Balances by Account (See Note 3)

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12 Sum C2 - C11
Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total	
28 Dec 2016	\$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	
29 Jan 2017	\$131,378,834	\$209,432,283	\$821,581,817	\$5,587,843,440	\$2,303,288,695	\$1,198,334,409	\$1,489,256,987	\$253,416,854	\$367,637,511	\$181,870,488	\$12,544,041,318	
30 Feb 2017	\$131,394,149	\$209,885,951	\$830,639,899	\$5,601,903,856	\$2,290,647,334	\$1,213,024,813	\$1,496,353,590	\$253,857,398	\$370,873,866	\$183,453,263	\$12,582,034,119	
31 Mar 2017	\$131,237,781	\$209,952,218	\$827,239,561	\$5,610,673,607	\$2,300,102,274	\$1,221,317,311	\$1,506,732,163	\$253,855,832	\$370,602,080	\$183,167,786	\$12,614,880,613	
32 Apr 2017	\$131,249,064	\$209,952,775	\$838,658,330	\$5,638,495,922	\$2,319,350,719	\$1,228,634,538	\$1,514,411,786	\$253,429,387	\$372,129,606	\$183,311,693	\$12,689,623,820	
33 May 2017	\$131,262,629	\$210,021,495	\$847,569,487	\$5,656,988,000	\$2,324,305,485	\$1,231,820,325	\$1,513,503,678	\$253,935,044	\$372,276,466	\$190,014,214	\$12,731,696,824	
34 Jun 2017	\$131,656,980	\$210,412,890	\$852,493,266	\$5,682,316,529	\$2,326,687,641	\$1,238,729,356	\$1,517,863,406	\$255,114,081	\$371,791,118	\$189,504,964	\$12,776,570,231	
35 Jul 2017	\$131,669,332	\$211,181,935	\$855,677,899	\$5,699,938,077	\$2,328,487,000	\$1,248,163,749	\$1,515,097,590	\$257,612,022	\$369,992,617	\$189,561,687	\$12,807,381,908	
36 Aug 2017	\$132,122,466	\$210,772,635	\$862,262,674	\$5,767,479,992	\$2,329,659,078	\$1,250,309,323	\$1,520,655,991	\$257,719,917	\$373,462,880	\$189,881,476	\$12,894,326,431	
37 Sep 2017	\$132,134,287	\$210,811,380	\$865,002,126	\$5,775,192,266	\$2,327,714,921	\$1,257,773,379	\$1,524,633,562	\$258,054,613	\$372,183,869	\$190,427,674	\$12,913,928,077	
38 Oct 2017	\$132,146,126	\$210,811,077	\$861,261,427	\$5,736,314,270	\$2,330,813,154	\$1,268,202,518	\$1,523,176,665	\$258,218,973	\$374,081,690	\$190,628,198	\$12,885,654,099	
39 Nov 2017	\$132,141,953	\$211,027,940	\$863,692,706	\$5,741,418,352	\$2,332,193,517	\$1,285,954,661	\$1,521,698,252	\$256,220,577	\$374,087,950	\$192,477,732	\$12,910,913,640	
40 Dec 2017	\$132,152,045	\$211,042,975	\$879,621,910	\$5,902,949,228	\$2,343,145,352	\$1,292,702,467	\$1,524,531,167	\$256,348,021	\$376,710,004	\$193,773,411	\$13,112,976,580	

2) Total Transmission Activity by Account (See Note 4):

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u> Sum C2 - C11
<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>	
41 Jan 2017	\$1,861,680	\$3,470	-\$4,196,691	\$1,596,560	-\$2,209,532	\$40,169,441	-\$10,554,272	\$196,564	-\$1,096,818	-\$18,664,747	\$7,105,655	
42 Feb 2017	\$15,315	\$453,669	\$9,058,082	\$14,060,416	-\$12,641,360	\$14,690,403	\$7,096,603	\$440,544	\$3,236,355	\$1,582,775	\$37,992,801	
43 Mar 2017	-\$156,368	\$66,267	-\$3,400,337	\$8,769,751	\$9,454,939	\$8,292,498	\$10,378,573	-\$1,566	-\$271,785	-\$285,477	\$32,846,494	
44 Apr 2017	\$11,283	\$557	\$11,418,768	\$27,822,315	\$19,248,445	\$7,317,227	\$7,679,623	-\$426,444	\$1,527,526	\$143,907	\$74,743,207	
45 May 2017	\$13,565	\$68,720	\$8,911,158	\$18,492,078	\$4,954,766	\$3,185,788	-\$908,108	\$505,657	\$146,860	\$6,702,521	\$42,073,004	
46 Jun 2017	\$394,350	\$391,396	\$4,923,779	\$25,328,529	\$2,382,156	\$6,909,030	\$4,359,728	\$1,179,037	-\$485,348	-\$509,250	\$44,873,407	
47 Jul 2017	\$12,352	\$769,044	\$3,184,633	\$17,621,548	\$1,799,359	\$9,434,393	-\$2,765,816	\$2,497,941	-\$1,798,501	\$56,723	\$30,811,677	
48 Aug 2017	\$453,134	-\$409,300	\$6,584,775	\$67,541,915	\$1,172,077	\$2,145,575	\$5,558,400	\$107,895	\$3,470,262	\$319,790	\$86,944,523	
49 Sep 2017	\$11,821	\$38,745	\$2,739,452	\$7,712,274	-\$1,944,157	\$7,464,055	\$3,977,572	\$334,696	-\$1,279,010	\$546,197	\$19,601,645	
50 Oct 2017	\$11,839	-\$303	-\$3,740,698	-\$38,877,996	\$3,098,234	\$10,429,139	-\$1,456,898	\$164,361	\$1,897,821	\$200,525	-\$28,273,977	
51 Nov 2017	-\$4,172	\$216,863	\$2,431,279	\$5,104,081	\$1,380,363	\$17,752,143	-\$1,478,412	-\$1,998,396	\$6,260	\$1,849,534	\$25,259,541	
52 Dec 2017	\$10,092	\$15,035	\$15,929,204	\$161,530,876	\$10,951,835	\$6,747,806	\$2,832,915	\$127,444	\$2,622,054	\$1,295,679	<u>\$202,062,940</u>	
53 Total:	\$2,634,891	\$1,614,163	\$53,843,402	\$316,702,348	\$37,647,126	\$134,537,499	\$24,719,907	\$3,127,731	\$7,975,675	-\$6,761,823	\$576,040,918	

3) ISO Incentive Plant Balances (See Note 5)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u> Sum C2 - C11
<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>	
54 Dec 2016	\$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	
55 Jan 2017	\$18,676,518	\$94,876,530	\$264,645,105	\$1,134,003,514	\$1,757,105,733	\$151,893,376	\$815,800,031	\$185,437,236	\$79,929,256	\$138,052,636	\$ 4,640,419,936	
56 Feb 2017	\$18,691,887	\$95,330,199	\$264,975,714	\$1,135,011,021	\$1,758,904,118	\$152,004,528	\$815,962,417	\$185,898,802	\$80,694,378	\$139,629,836	\$ 4,647,102,900	
57 Mar 2017	\$18,690,106	\$95,315,396	\$265,391,800	\$1,134,469,788	\$1,759,144,819	\$152,579,551	\$820,004,289	\$186,131,259	\$81,379,399	\$139,175,161	\$ 4,652,281,569	
58 Apr 2017	\$18,701,390	\$95,315,966	\$265,618,774	\$1,166,956,821	\$1,759,588,944	\$152,261,118	\$820,805,743	\$186,354,446	\$81,457,429	\$139,304,595	\$ 4,686,365,226	
59 May 2017	\$18,715,053	\$95,315,922	\$273,135,307	\$1,174,877,109	\$1,761,384,448	\$152,068,596	\$818,579,133	\$186,860,411	\$81,634,324	\$145,740,022	\$ 4,708,310,325	
60 Jun 2017	\$18,714,293	\$95,316,683	\$273,306,086	\$1,174,813,678	\$1,761,309,419	\$152,124,117	\$819,894,933	\$188,226,697	\$82,112,003	\$145,423,584	\$ 4,711,241,494	
61 Jul 2017	\$18,726,643	\$95,317,444	\$273,267,755	\$1,174,922,189	\$1,761,690,976	\$152,184,302	\$820,127,331	\$188,454,165	\$82,187,902	\$145,613,117	\$ 4,712,491,823	
62 Aug 2017	\$19,179,777	\$94,864,828	\$272,944,915	\$1,175,321,777	\$1,762,179,405	\$152,264,271	\$820,451,272	\$188,783,135	\$82,297,670	\$145,733,021	\$ 4,714,020,072	
63 Sep 2017	\$19,191,598	\$94,863,648	\$272,955,426	\$1,175,350,247	\$1,760,569,394	\$154,038,484	\$821,031,819	\$189,110,692	\$82,406,965	\$145,892,023	\$ 4,715,410,295	
64 Oct 2017	\$19,203,437	\$94,863,054	\$273,089,481	\$1,176,020,630	\$1,761,225,260	\$154,334,615	\$821,042,451	\$189,739,134	\$82,721,369	\$146,087,539	\$ 4,718,326,968	
65 Nov 2017	\$20,856,532	\$95,067,594	\$273,124,697	\$1,176,034,397	\$1,761,585,804	\$154,373,423	\$817,939,425	\$189,822,550	\$82,763,105	\$146,241,840	\$ 4,717,809,366	
66 Dec 2017	\$20,866,624	\$95,067,405	\$273,150,052	\$1,176,074,826	\$1,762,377,599	\$154,450,782	\$818,269,307	\$189,937,751	\$82,820,739	\$146,444,294	\$ 4,719,459,379	

4) ISO Incentive Plant Activity (See Note 6)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u> Sum C2 - C11
<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>		<u>Total</u>
67 Jan 2017	(\$472)	\$3,470	\$32,492	\$308,019	(\$53,553)	(\$10,526)	\$250,896	\$150,473	\$52,608	(\$96,329)		\$637,077
68 Feb 2017	\$15,369	\$453,669	\$330,610	\$1,007,507	\$1,798,385	\$111,151	\$162,386	\$461,566	\$765,122	\$1,577,200		\$6,682,963
69 Mar 2017	(\$1,780)	(\$14,803)	\$416,086	(\$541,233)	\$240,701	\$575,024	\$4,041,873	\$232,457	\$685,021	(\$454,675)		\$5,178,669
70 Apr 2017	\$11,283	\$570	\$226,974	\$32,487,033	\$444,125	(\$318,433)	\$801,454	\$223,187	\$78,030	\$129,434		\$34,083,658
71 May 2017	\$13,664	(\$43)	\$7,516,533	\$7,920,288	\$1,795,504	(\$192,522)	(\$2,226,610)	\$505,965	\$176,895	\$6,435,427		\$21,945,099
72 Jun 2017	(\$761)	\$761	\$170,780	(\$63,431)	(\$75,029)	\$55,521	\$1,315,801	\$1,366,286	\$477,679	(\$316,437)		\$2,931,169
73 Jul 2017	\$12,350	\$761	(\$38,332)	\$108,511	\$381,557	\$60,184	\$232,398	\$60,184	\$75,900	\$189,532		\$1,250,328
74 Aug 2017	\$453,134	(\$452,616)	(\$322,840)	\$399,588	\$488,428	\$79,970	\$323,941	\$328,970	\$109,768	\$119,905		\$1,528,249
75 Sep 2017	\$11,821	(\$1,180)	\$10,511	\$28,470	(\$1,610,011)	\$1,774,213	\$580,546	\$327,557	\$109,294	\$159,002		\$1,390,223
76 Oct 2017	\$11,839	(\$594)	\$134,055	\$670,383	\$655,866	\$296,131	\$10,632	\$628,442	\$314,405	\$195,516		\$2,916,673
77 Nov 2017	\$1,653,095	\$204,541	\$35,216	\$13,767	\$360,544	\$38,809	(\$3,103,026)	\$83,416	\$41,735	\$154,301		(\$517,602)
78 Dec 2017	<u>\$10,092</u>	<u>(\$189)</u>	<u>\$25,355</u>	<u>\$40,429</u>	<u>\$791,795</u>	<u>\$77,359</u>	<u>\$329,882</u>	<u>\$115,202</u>	<u>\$57,634</u>	<u>\$202,454</u>		<u>\$1,650,013</u>
79 Total:	\$2,189,633	\$194,346	\$8,537,439	\$42,379,331	\$5,218,313	\$2,546,880	\$2,720,172	\$4,650,989	\$2,944,091	\$8,295,329		\$79,676,521

5) Total Transmission Activity Not Including Incentive Plant Activity (See Note 7):

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u> Sum C2 - C11
<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>		<u>Total</u>
80 Jan 2017	\$1,862,153	\$0	-\$4,229,183	\$1,288,541	-\$2,155,979	\$40,179,967	-\$10,805,168	\$46,090	-\$1,149,426	-\$18,568,418		\$6,468,578
81 Feb 2017	-\$54	\$0	\$8,727,472	\$13,052,909	-\$14,439,745	\$14,579,252	\$6,934,217	-\$21,022	\$2,471,233	\$5,575		\$31,309,838
82 Mar 2017	-\$154,588	\$81,070	-\$3,816,423	\$9,310,983	\$9,214,239	\$7,717,474	\$6,336,701	-\$234,023	-\$956,806	\$169,199		\$27,667,825
83 Apr 2017	\$0	-\$13	\$11,191,794	-\$4,664,717	\$18,804,320	\$7,635,660	\$6,878,169	-\$649,632	\$1,449,496	\$14,473		\$40,659,549
84 May 2017	-\$98	\$68,763	\$1,394,625	\$10,571,790	\$3,159,263	\$3,378,310	\$1,318,502	-\$308	-\$30,035	\$267,094		\$20,127,905
85 Jun 2017	\$395,111	\$390,635	\$4,752,999	\$25,391,960	\$2,457,185	\$6,853,509	\$3,043,928	-\$187,249	-\$963,027	-\$192,813		\$41,942,238
86 Jul 2017	\$2	\$768,283	\$3,222,965	\$17,513,038	\$1,417,802	\$9,374,209	-\$2,998,213	\$2,270,474	-\$1,874,401	-\$132,809		\$29,561,349
87 Aug 2017	\$0	\$43,317	\$6,907,615	\$67,142,326	\$683,649	\$2,065,605	\$5,234,459	-\$221,076	\$3,360,494	\$199,885		\$85,416,274
88 Sep 2017	\$0	\$39,925	\$2,728,941	\$7,683,804	-\$334,146	\$5,689,843	\$3,397,025	\$7,139	-\$1,388,305	\$387,196		\$18,211,422
89 Oct 2017	\$0	\$291	-\$3,874,754	-\$39,548,378	\$2,442,368	\$10,133,009	-\$1,467,530	-\$464,081	\$1,583,416	\$5,009		-\$31,190,650
90 Nov 2017	-\$1,657,268	\$12,322	\$2,396,063	\$5,090,314	\$1,019,819	\$17,713,334	\$1,624,614	-\$2,081,812	-\$35,475	\$1,695,232		\$25,777,143
91 Dec 2017	<u>\$0</u>	<u>\$15,224</u>	<u>\$15,903,849</u>	<u>\$161,490,447</u>	<u>\$10,160,039</u>	<u>\$6,670,447</u>	<u>\$2,503,033</u>	<u>\$12,242</u>	<u>\$2,564,420</u>	<u>\$1,093,225</u>		<u>\$200,412,927</u>
92 Total:	\$445,258	\$1,419,817	\$45,305,963	\$274,323,018	\$32,428,813	\$131,990,619	\$21,999,736	-\$1,523,258	\$5,031,585	-\$15,057,152		\$496,364,397

6) Total Monthly Transmission Activity as a Percent of Annual Transmission Activity (See Note 8)

<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>
93 Jan 2017	418.2%	0.0%	-9.3%	0.5%	-6.6%	30.4%	-49.1%	-3.0%	-22.8%	123.3%
94 Feb 2017	0.0%	0.0%	19.3%	4.8%	-44.5%	11.0%	31.5%	1.4%	49.1%	0.0%
95 Mar 2017	-34.7%	5.7%	-8.4%	3.4%	28.4%	5.8%	28.8%	15.4%	-19.0%	-1.1%
96 Apr 2017	0.0%	0.0%	24.7%	-1.7%	58.0%	5.8%	31.3%	42.6%	28.8%	-0.1%
97 May 2017	0.0%	4.8%	3.1%	3.9%	9.7%	2.6%	6.0%	0.0%	-0.6%	-1.8%
98 Jun 2017	88.7%	27.5%	10.5%	9.3%	7.6%	5.2%	13.8%	12.3%	-19.1%	1.3%
99 Jul 2017	0.0%	54.1%	7.1%	6.4%	4.4%	7.1%	-13.6%	-149.1%	-37.3%	0.9%
100 Aug 2017	0.0%	3.1%	15.2%	24.5%	2.1%	1.6%	23.8%	14.5%	66.8%	-1.3%
101 Sep 2017	0.0%	2.8%	6.0%	2.8%	-1.0%	4.3%	15.4%	-0.5%	-27.6%	-2.6%
102 Oct 2017	0.0%	0.0%	-8.6%	-14.4%	7.5%	7.7%	-6.7%	30.5%	31.5%	0.0%
103 Nov 2017	-372.2%	0.9%	5.3%	1.9%	3.1%	13.4%	7.4%	136.7%	-0.7%	-11.3%
104 Dec 2017	0.0%	1.1%	35.1%	58.9%	31.3%	5.1%	11.4%	-0.8%	51.0%	-7.3%

4) Calculation of change in Non-Incentive ISO Plant:

A) Change in ISO Plant Balance December to December (See Note 9)											
	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
105	\$1,030,500	-\$425,809	\$38,115,412	\$160,272,325	\$49,389,689	\$40,165,853	\$10,029,896	\$4,714,292	\$2,969,302	-\$9,386,201	\$296,875,259
B) Change in Incentive ISO Plant (See Note 10)											
	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
106	\$2,189,633	\$194,346	\$8,537,439	\$42,379,331	\$5,218,313	\$2,546,880	\$2,720,172	\$4,650,989	\$2,944,091	\$8,295,329	\$79,676,521
C) Change in Non-Incentive ISO Plant (See Note 11)											
	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
107	-\$1,159,134	-\$620,155	\$29,577,973	\$117,892,994	\$44,171,377	\$37,618,973	\$7,309,724	\$63,303	\$25,211	-\$17,681,529	\$217,198,738

5) Other ISO Transmission Activity without Incentive Plant Activity (See Note 12):

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u>
												Sum C2 - C11
<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>	
108 Jan 2017	-\$4,847,719	\$0	-\$2,761,020	\$553,763	-\$2,936,665	\$11,451,792	-\$3,590,170	-\$1,915	-\$5,759	-\$21,804,789	-\$23,942,483	
109 Feb 2017	\$141	\$0	\$5,697,725	\$5,609,615	-\$19,668,417	\$4,155,269	\$2,303,992	\$874	\$12,382	\$6,547	-\$1,881,872	
110 Mar 2017	\$402,437	-\$35,410	-\$2,491,550	\$4,001,486	\$12,550,740	\$2,199,576	\$2,105,459	\$9,726	-\$4,794	\$198,689	\$18,936,359	
111 Apr 2017	\$0	\$6	\$7,306,557	-\$2,004,708	\$25,613,417	\$2,176,258	\$2,285,369	\$26,997	\$7,263	\$16,996	\$35,428,155	
112 May 2017	\$256	-\$30,035	\$910,480	\$4,543,330	\$4,303,240	\$962,860	\$438,091	\$13	-\$150	\$313,647	\$11,441,732	
113 Jun 2017	-\$1,028,588	-\$170,623	\$3,102,993	\$10,912,442	\$3,346,939	\$1,953,336	\$1,011,388	\$7,782	-\$4,825	-\$226,419	\$18,904,423	
114 Jul 2017	-\$5	-\$335,575	\$2,104,111	\$7,526,399	\$1,931,192	\$2,671,766	-\$996,199	-\$94,356	-\$9,392	-\$155,957	\$12,641,985	
115 Aug 2017	\$0	-\$18,920	\$4,509,632	\$28,855,070	\$931,200	\$588,723	\$1,739,223	\$9,187	\$16,838	\$234,724	\$36,865,679	
116 Sep 2017	\$0	-\$17,439	\$1,781,588	\$3,302,190	-\$455,142	\$1,621,676	\$1,128,710	-\$297	-\$6,956	\$454,682	\$7,809,012	
117 Oct 2017	\$0	-\$127	-\$2,529,631	-\$16,996,301	\$3,326,756	\$2,888,034	-\$487,608	\$19,286	\$7,934	\$5,882	-\$13,765,775	
118 Nov 2017	\$4,314,345	-\$5,382	\$1,564,268	\$2,187,612	\$1,389,098	\$5,048,521	\$539,801	\$86,516	-\$178	\$1,990,702	\$17,115,304	
119 Dec 2017	\$0	-\$6,650	\$10,382,819	\$69,402,096	\$13,839,018	\$1,901,161	\$831,668	-\$509	\$12,849	\$1,283,768	\$97,646,221	
120 Total:	-\$1,159,134	-\$620,155	\$29,577,973	\$117,892,994	\$44,171,377	\$37,618,973	\$7,309,724	\$63,303	\$25,211	-\$17,681,529	\$217,198,738	

Notes:

- Amounts on Line 13 from corresponding account Schedule 7, column 2. Amounts on Line 1 must match corresponding account Schedule 7, Column 2 for previous year. The amounts for each month on the remaining lines are calculated by summing the following values:
 - Other ISO Transmission Activity without Incentive Plant Activity on Lines 108-119 for the same month;
 - ISO Incentive Plant Activity on Lines 67 to 78 for the same month; and
 - The previous month balance of the Transmission Plant - ISO amounts on Lines 1-13.
 For instance, the amount for May of the Prior Year (on Line 6) for Account 353 (Column 5) is the sum of the following values:
 - the "Other ISO Transmission Activity without Incentive Plant Activity" for May of the Prior Year (on Line 112, Column 5);
 - the "ISO Incentive Plant Activity" for May of the Prior Year (on Line 71, Column 5),
 - and the "Transmission Plant - ISO" amount for April of the Prior Year (on Line 5, Column 5).
- Amounts on Line 15 must match 6-Plant Study amounts for Distribution Plant - ISO for previous year. Amounts on Line 16 must match amounts on 6-PlantStudy for Distribution Plant - ISO.
- Reconciles to BOY and EOY FERC Form 1 (FF1 207, Lines 48-56 , Column g).
- Includes recorded Transmission Plant-In-Service additions, retirements, transfers and adjustments. From SCE internal accounting records.
- Includes balances for SCE Incentive Projects.
- Monthly differences from previous matrix. Other columns from SCE internal accounting records.
- Amount in matrix on lines 41 to 52 minus amount in matrix on lines 67 to 78
- Amount in "Total Transmission Activity Not Including Incentive Plant Activity" matrix divided by Total on Line 92 for each account/month.
- Amount on Line 13 less amount on Line 1 for each account.
- Line 79
- Amount on Line 105 less amount on Line 106 for each account.
- For each column (FERC Account) divide Line 107 by Line 92 to arrive at a ratio for each column. Apply the ratio of each column to each monthly value from Lines 80-91 to calculate the values for the corresponding months listed in Lines 108-119.

Transmission Plant Study

Input cells are shaded yellow

A) Plant Classified as Transmission in FERC Form 1 for Prior Year:

Prior Year: 2017

Line	Account	Col 1 Total Plant	Data Source	Col 2 Transmission Plant - ISO	Col 3 ISO % of Total	Notes
1						
2	Substation					
3	352	\$879,621,910	FF1 207.49g	\$569,698,023	64.77%	
4	353	\$5,902,949,228	FF1 207.50g	\$3,409,447,774	57.76%	
5	Total Substation	\$6,782,571,138	L 3 + L 4	\$3,979,145,796	58.67%	
6						
7	Land					
8	350	\$343,195,020	FF1 207.48g	\$252,777,321	73.65%	
9						
10	Total Substation and Land	\$7,125,766,158	L 5 + L 8	\$4,231,923,117	59.39%	
11						
12	Lines					
13	354	\$2,343,145,352	FF1 207.51g	\$2,283,380,922	97.45%	
14	355	\$1,292,702,467	FF1 207.52g	\$364,424,080	28.19%	
15	356	\$1,524,531,167	FF1 207.53g	\$1,245,933,686	81.73%	
16	357	\$256,348,021	FF1 207.54g	\$190,222,489	74.20%	
17	358	\$376,710,004	FF1 207.55g	\$84,920,374	22.54%	
18	359	\$193,773,411	FF1 207.56g	\$172,640,885	89.09%	
19	Total Lines	\$5,987,210,422	Sum L13 to L18	\$4,341,522,436	72.51%	
20						
21	Total Transmission	\$13,112,976,580	L 10 + L 19	\$8,573,445,553	65.38%	Note 1

B) Plant Classified as Distribution in FERC Form 1:

Line	Account	Total Plant	Data Source	Distribution Plant - ISO	ISO % of Total	Notes
22						
23	Land:					
24	360	\$125,242,449	FF1 207.60g	\$0	0.00%	
25	Structures:					
26	361	\$644,469,720	FF1 207.61g	\$0	0.00%	
27	362	\$2,539,477,720	FF1 207.62g	\$0	0.00%	
28	Total Structures	\$3,183,947,440	L 26 + L 27	\$0	0.00%	
29						
30	Total Distribution	\$3,309,189,889	L 24 + L 28	\$0	0.00%	Note 2

Notes:

- Total transmission does not include account 359.1 "Asset Retirement Costs for Transmission Plant" Total on this line is also equal to FF1 207.58g (Total Transmission Plant) less FF1 207.57g (Asset Retirement Costs for Transmission Plant).
- Only accounts 360-362 included as there is no ISO plant in any other Distribution accounts.

Instructions:

- Perform annual Transmission Study pursuant to instructions in tariff.
- Enter total amounts of plant from FERC Form 1 in Column 1, "Total Plant".
- Enter ISO portion of plant in Column 2, "Transmission Plant - ISO, or "Distribution Plant - ISO".

Accumulated Depreciation Reserve

Input cells are shaded yellow

1) Transmission Depreciation Reserve - ISO

Prior Year: 2017

Balances for Transmission Depreciation Reserve - ISO during the Prior Year, including December of previous year (See Note 1):

Line	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
	FERC Account:											=Sum C2 to C11
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
1	Dec 2016	\$0	\$18,079,939	\$72,260,283	\$439,653,028	\$465,353,602	\$46,058,792	\$407,738,326	\$839,659	\$2,896,108	\$14,910,822	\$1,467,790,558
2	Jan 2017	\$0	\$18,308,641	\$72,968,804	\$446,340,019	\$470,658,390	\$43,293,011	\$424,670,241	\$1,097,968	\$2,966,994	\$15,230,980	\$1,495,535,050
3	Feb 2017	\$0	\$18,537,348	\$74,988,694	\$453,020,610	\$480,300,559	\$42,956,299	\$418,952,853	\$1,351,770	\$3,647,254	\$15,439,119	\$1,509,194,507
4	Mar 2017	\$0	\$18,752,244	\$75,746,245	\$459,717,422	\$481,542,497	\$43,274,320	\$414,004,345	\$1,591,257	\$3,753,210	\$15,648,580	\$1,514,030,121
5	Apr 2017	\$0	\$18,981,512	\$78,025,130	\$466,431,065	\$479,419,455	\$43,608,479	\$408,380,385	\$1,801,902	\$4,266,251	\$15,858,405	\$1,516,772,583
6	May 2017	\$0	\$19,198,531	\$79,324,141	\$473,196,866	\$482,881,386	\$44,346,449	\$409,860,084	\$2,058,471	\$4,530,617	\$16,067,284	\$1,531,463,829
7	Jun 2017	\$0	\$19,358,181	\$80,982,622	\$479,978,025	\$486,603,968	\$44,761,789	\$409,133,074	\$2,302,614	\$4,638,565	\$16,287,005	\$1,544,045,843
8	Jul 2017	\$0	\$19,450,337	\$82,492,567	\$486,786,988	\$490,700,722	\$44,947,546	\$416,123,576	\$2,721,167	\$4,594,687	\$16,505,751	\$1,564,323,342
9	Aug 2017	\$0	\$19,671,148	\$84,381,528	\$493,577,188	\$495,061,770	\$45,825,131	\$412,604,760	\$2,965,008	\$5,431,862	\$16,723,044	\$1,576,241,439
10	Sep 2017	\$0	\$19,891,911	\$85,854,639	\$500,468,911	\$499,785,591	\$46,365,836	\$411,436,308	\$3,225,333	\$5,470,400	\$16,939,955	\$1,589,438,884
11	Oct 2017	\$0	\$20,119,708	\$86,660,238	\$507,400,304	\$503,523,455	\$46,501,420	\$416,480,842	\$3,453,030	\$6,009,297	\$17,159,383	\$1,607,307,678
12	Nov 2017	\$0	\$20,345,360	\$88,098,215	\$514,267,081	\$507,772,422	\$45,937,860	\$417,577,655	\$3,568,060	\$6,276,835	\$17,371,471	\$1,621,214,958
13	Dec 2017	\$0	\$20,570,771	\$90,912,860	\$521,029,731	\$508,793,023	\$46,422,546	\$417,546,825	\$3,830,318	\$6,981,972	\$17,589,054	\$1,633,677,100
14	13-Mo. Avg:	\$0	\$19,328,125	\$80,976,613	\$480,143,634	\$488,645,911	\$44,946,114	\$414,193,021	\$2,369,735	\$4,728,004	\$16,286,989	\$1,551,618,145

2) Distribution Depreciation Reserve - ISO (See Note 2)

	Col 1	Col 2	Col 3	Col 4	Col 5		
	FERC Account:					=Sum C2 to C4	
	Mo/YR	360	361	362	Total	Notes	
15	Dec 2016	\$0	\$0	\$0	\$0	Beginning of Year ("BOY") amount	
16	Dec 2017	\$0	\$0	\$0	\$0	End of Year ("EOY") amount	
17	BOY/EOY Average:	\$0	\$0	\$0	\$0	Average of Line 15 and Line 16	

3) General and Intangible Depreciation Reserve

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	
			=C4+C5			
			Total			
			Gen. and Int.	General	Intangible	
			Depreciation	Depreciation	Depreciation	
	Mo/YR		Reserve	Reserve	Reserve	Source
18	Dec 2016	BOY:	\$1,917,414,678	\$1,073,416,375	\$843,998,303	FF1 219.28c and 200.21c for previous year
19	Dec 2017	EOY:	\$1,736,829,507	\$1,094,912,964	\$641,916,543	FF1 219.28c and 200.21c
20		BOY/EOY Average:	\$1,827,122,093			Average of Line 18 and Line 19

a) Average BOY/EOY General and Intangible Depreciation Reserve

		<u>Amount</u>	<u>Source</u>
21	Total G+I Dep. Reserve on Average BOY/EOY basis:	\$1,827,122,093	Line 20
22	Transmission W&S Allocation Factor:	6.0143%	27-Allocators, Line 9
23	G + I Plant Dep. Reserve (BOY/EOY Average):	\$109,889,267	Line 21 * Line 22

b) EOY General and Intangible Depreciation Reserve

		<u>Amount</u>	<u>Source</u>
24	Total G+I Dep. Reserve on Average EOY basis:	\$1,736,829,507	Line 19
25	Transmission W&S Allocation Factor:	6.0143%	27-Allocators, Line 9
26	G + I Plant Dep. Reserve (EOY):	\$104,458,767	Line 24 * Line 25

Transmission Activity Used to Determine Monthly Transmission Depreciation Reserve - ISO Balances

1) ISO Depreciation Expense (See Note 3)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u>
		<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	Sum C2 - C11
	Mo/YR											Total
27	Jan 2017	\$0	\$228,702	\$1,138,473	\$6,687,886	\$4,542,449	\$991,690	\$3,141,255	\$255,074	\$264,292	\$236,635	\$17,486,456
28	Feb 2017	\$0	\$228,707	\$1,132,629	\$6,689,660	\$4,536,369	\$1,026,681	\$3,132,768	\$255,278	\$264,443	\$208,164	\$17,474,699
29	Mar 2017	\$0	\$229,335	\$1,145,540	\$6,703,280	\$4,500,033	\$1,039,729	\$3,139,037	\$255,914	\$266,951	\$210,223	\$17,490,041
30	Apr 2017	\$0	\$229,265	\$1,141,095	\$6,710,403	\$4,526,042	\$1,048,215	\$3,154,661	\$256,247	\$269,144	\$209,890	\$17,544,962
31	May 2017	\$0	\$229,266	\$1,157,229	\$6,773,145	\$4,579,026	\$1,053,897	\$3,162,507	\$256,591	\$269,420	\$210,080	\$17,691,161
32	Jun 2017	\$0	\$229,224	\$1,175,277	\$6,798,800	\$4,591,427	\$1,056,253	\$3,157,961	\$257,287	\$269,990	\$218,854	\$17,755,072
33	Jul 2017	\$0	\$228,989	\$1,182,288	\$6,821,131	\$4,598,080	\$1,062,396	\$3,163,876	\$259,176	\$271,514	\$218,148	\$17,805,599
34	Aug 2017	\$0	\$228,526	\$1,186,713	\$6,836,846	\$4,602,782	\$1,070,752	\$3,161,935	\$259,359	\$271,729	\$218,192	\$17,836,833
35	Sep 2017	\$0	\$227,874	\$1,195,679	\$6,897,062	\$4,605,669	\$1,072,797	\$3,167,179	\$259,824	\$272,137	\$218,653	\$17,916,873
36	Oct 2017	\$0	\$227,848	\$1,199,517	\$6,903,917	\$4,601,470	\$1,083,182	\$3,171,523	\$260,274	\$272,467	\$219,451	\$17,939,650
37	Nov 2017	\$0	\$227,847	\$1,194,387	\$6,870,313	\$4,609,568	\$1,092,921	\$3,170,311	\$261,165	\$273,507	\$219,713	\$17,919,730
38	Dec 2017	\$0	\$228,123	\$1,197,812	\$6,874,844	\$4,613,125	\$1,108,479	\$3,163,796	\$261,398	\$273,641	\$222,501	\$17,943,720
39	Total:	\$0	\$2,743,707	\$14,046,640	\$81,567,286	\$54,906,038	\$12,706,990	\$37,886,809	\$3,097,586	\$3,239,236	\$2,610,503	\$212,804,795

Schedule 8
Accumulated Depreciation

2) Total Transmission Allocation Factors (See Note 4)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>
	<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>
40	Jan 2017	418.2%	0.0%	-9.3%	0.5%	-6.6%	30.4%	-49.1%	-3.0%	-22.8%	123.3%
41	Feb 2017	0.0%	0.0%	19.3%	4.8%	-44.5%	11.0%	31.5%	1.4%	49.1%	0.0%
42	Mar 2017	-34.7%	5.7%	-8.4%	3.4%	28.4%	5.8%	28.8%	15.4%	-19.0%	-1.1%
43	Apr 2017	0.0%	0.0%	24.7%	-1.7%	58.0%	5.8%	31.3%	42.6%	28.8%	-0.1%
44	May 2017	0.0%	4.8%	3.1%	3.9%	9.7%	2.6%	6.0%	0.0%	-0.6%	-1.8%
45	Jun 2017	88.7%	27.5%	10.5%	9.3%	7.6%	5.2%	13.8%	12.3%	-19.1%	1.3%
46	Jul 2017	0.0%	54.1%	7.1%	6.4%	4.4%	7.1%	-13.6%	-149.1%	-37.3%	0.9%
47	Aug 2017	0.0%	3.1%	15.2%	24.5%	2.1%	1.6%	23.8%	14.5%	66.8%	-1.3%
48	Sep 2017	0.0%	2.8%	6.0%	2.8%	-1.0%	4.3%	15.4%	-0.5%	-27.6%	-2.6%
49	Oct 2017	0.0%	0.0%	-8.6%	-14.4%	7.5%	7.7%	-6.7%	30.5%	31.5%	0.0%
50	Nov 2017	-372.2%	0.9%	5.3%	1.9%	3.1%	13.4%	7.4%	136.7%	-0.7%	-11.3%
51	Dec 2017	0.0%	1.1%	35.1%	58.9%	31.3%	5.1%	11.4%	-0.8%	51.0%	-7.3%

3) Calculation of Non-Incentive ISO Reserve

A) Change in Depreciation Reserve - ISO (See Note 5)												
52		<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
		\$0	\$2,490,832	\$18,652,577	\$81,376,703	\$43,439,421	\$363,754	\$9,808,498	\$2,990,659	\$4,085,865	\$2,678,232	\$165,886,542
B) Total Depreciation Expense (See Note 6)												
53		<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
		\$0	\$2,743,707	\$14,046,640	\$81,567,286	\$54,906,038	\$12,706,990	\$37,886,809	\$3,097,586	\$3,239,236	\$2,610,503	\$212,804,795
C) Other Activity (See Note 7)												
54		<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	<u>Total</u>
		\$0	-\$252,875	\$4,605,937	-\$190,582	-\$11,466,617	-\$12,343,237	-\$28,078,311	-\$106,926	\$846,629	\$67,729	-\$46,918,253

4) Other Transmission Activity (See Note 8)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u>
	<u>Mo/YR</u>	<u>350.1</u>	<u>350.2</u>	<u>352</u>	<u>353</u>	<u>354</u>	<u>355</u>	<u>356</u>	<u>357</u>	<u>358</u>	<u>359</u>	Sum C2 - C11 <u>Total</u>
55	Jan 2017	\$0	\$0	-\$429,951	-\$895	\$762,340	-\$3,757,470	\$13,790,660	\$3,235	-\$193,406	\$83,523	\$10,258,035
56	Feb 2017	\$0	\$0	\$887,260	-\$9,068	\$5,105,800	-\$1,363,394	-\$8,850,156	-\$1,476	\$415,817	-\$25	-\$3,815,242
57	Mar 2017	\$0	-\$14,439	-\$387,989	-\$6,469	-\$3,258,095	-\$721,707	-\$8,087,545	-\$16,427	-\$160,995	-\$761	-\$12,654,427
58	Apr 2017	\$0	\$2	\$1,137,791	\$3,241	-\$6,649,085	-\$714,056	-\$8,778,622	-\$45,601	\$243,896	-\$65	-\$14,802,500
59	May 2017	\$0	-\$12,247	\$141,782	-\$7,345	-\$1,117,095	-\$315,926	-\$1,682,807	-\$22	-\$5,054	-\$1,201	-\$2,999,915
60	Jun 2017	\$0	-\$69,573	\$483,204	-\$17,641	-\$868,845	-\$640,913	-\$3,884,972	-\$13,144	-\$162,042	\$867	-\$5,173,058
61	Jul 2017	\$0	-\$136,834	\$327,656	-\$12,167	-\$501,326	-\$876,639	\$3,826,626	\$159,378	-\$315,392	\$597	\$2,471,900
62	Aug 2017	\$0	-\$7,715	\$702,248	-\$46,646	-\$241,734	-\$193,167	-\$6,680,751	-\$15,519	\$565,447	-\$899	-\$5,918,736
63	Sep 2017	\$0	-\$7,111	\$277,432	-\$5,338	\$118,152	-\$532,091	-\$4,335,631	\$501	-\$233,600	-\$1,742	-\$4,719,428
64	Oct 2017	\$0	-\$52	-\$393,919	\$27,476	-\$863,605	-\$947,599	\$1,873,012	-\$32,577	\$266,430	-\$23	-\$70,856
65	Nov 2017	\$0	-\$2,195	\$243,591	-\$3,536	-\$360,601	-\$1,656,480	-\$2,073,498	-\$146,134	-\$5,969	-\$7,625	-\$4,012,449
66	Dec 2017	\$0	-\$2,712	\$1,616,832	-\$112,193	-\$3,592,524	-\$623,794	-\$3,194,626	\$859	\$431,497	-\$4,917	-\$5,481,578
67	Total:	\$0	-\$252,875	\$4,605,937	-\$190,582	-\$11,466,617	-\$12,343,237	-\$28,078,311	-\$106,926	\$846,629	\$67,729	-\$46,918,253

Notes:

- 1) Amounts on Line 13 based on current year Plant Study. Amounts on Line 1 shall be based on previous year Plant Study, and shall match amounts on Line 13 in previous year Annual Update.
The amounts for each month on the remaining lines are calculated by summing the following values:
 - a) Depreciation Expense (on Lines 27 to 38) for the same month;
 - b) Other Transmission Activity (on Lines 55 to 66) for the same month; and
 - c) Balances for Transmission Depreciation Reserve (on Lines 1 to 13) for the previous month.
 For instance, the amount for May of the Prior Year (on Line 6) for Account 353 (Column 5) is the sum of the following values:
 - a) Depreciation Expense for May of the Prior Year (on Line 44, Column 5);
 - b) Other Transmission Activity for May of the Prior Year (on Line 59, Column 5); and
 - c) The balances for Transmission Depreciation Reserve for April of the Prior Year (on Line 5, column 5).
- 2) Amounts on Line 15 derived from Plant Study for previous year Prior Year.
Amounts on Line 16 derived from Plant Study for Prior Year.
- 3) From 17-Depreciation, Lines 24 to 35.
- 4) From 6-PlantInService, Lines 93 to 104.
- 5) Line 13 - Line 1.
- 6) Line 39.
- 7) Line 52 - Line 53.
- 8) Multiply the monthly "Total Transmission Allocation Factors" ratios found in Lines 40-51 by the "Other Activity" on Line 54.

Accumulated Deferred Income Taxes

Cells shaded yellow are input cells

1) Summary of Accumulated Deferred Income Taxes

a) End of Year Accumulated Deferred Income Taxes

<u>Line</u>	<u>Account</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Source</u>
			Total	
			ADIT	
1	Account 190		\$39,126,302	Line 353, Col. 2
2	Account 282		-\$1,090,207,015	Line 452, Col. 2
3	Account 283		-\$15,708,510	Line 803, Col. 2
4	Excess Deferred Tax Liability - 2017 TCAJA		-\$582,299,547	FF1 278
5	Total Accumulated Deferred Income Taxes		-\$1,649,088,770	Sum of Lines 1 to 4

b) Beginning of Year Accumulated Deferred Income Taxes

<u>Line</u>	<u>Account</u>	<u>BOY</u>	<u>Source</u>
		ADIT	
10	Total Accumulated Deferred Income Taxes	-\$1,550,608,605	Previous Year Informational Filing, Line 5, Col. 2

c) Average of Beginning and End of Year Accumulated Deferred Income Taxes

<u>Line</u>	<u>Account</u>	<u>Average</u>	<u>Source</u>
		ADIT	
15	Weighted Average ADIT:	-\$1,580,823,717	Line 819

2) Account 190 Detail

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>
<u>ACCT 190</u>	<u>DESCRIPTION</u>	<u>END BAL</u>	<u>Gas, Generation</u>	<u>ISO Only</u>	<u>Plant Related</u>	<u>Labor</u>	<u>(Instructions 1&2)</u>
		<u>per G/L</u>	<u>or Other Related</u>			<u>Related</u>	<u>Description</u>
Electric:							
100	190.000	Amort of Debt Issuance Cost	\$649,241	\$506		\$648,735	C: Relates to all Regulated Electric Property
101	190.000	Executive Incentive Comp	\$3,146,087	\$9,014		\$3,137,073	C: Relates to employees in all functions
102	190.000	Bond Discount Amort	\$771,695	\$602		\$771,093	C: Relates to all Regulated Electric Property
103	190.000	Executive Incentive Plan	\$1,536,403	\$4,402		\$1,532,001	C: Relates to employees in all functions
104	190.000	Ins - Inj/Damages Prov	\$29,451,918	\$84,386		\$29,367,532	C: Relates to employees in all functions
105	190.000	Accrued Vacation	\$11,617,959	\$33,288		\$11,584,671	C: Relates to employees in all functions
106	190.000	PBOP 401H Amortization	\$34,717,749	\$99,474		\$34,618,275	C: Relates to employees in all functions
107	190.000	EMS	\$1,247,125	\$973		\$1,246,152	C: Relates to all Regulated Electric Property
108	190.000	Amortization of Debt Expense	\$955,103	\$745		\$954,358	C: Relates to all Regulated Electric Property
109	190.000	Decommissioning	\$421,953,973	\$421,953,973			Relates to Nuclear Decommissioning Costs
110	190.000	Balancing Accounts	-\$9,045,539	-\$9,045,539			Relates Entirely to CPUC Balancing Account Recovery
111	190.000	CIAC/ITCC	\$0	\$0			Non-Rate Base FAS 109 Tax - CIAC
112	190.000	Pension & PBOP	\$9,082,254	\$26,023		\$9,056,231	C: Relates to employees in all functions
113	190.000	Property/Non-ISO	\$6,708,625	\$6,708,625			Non-Rate Base Property
114	190.000	Regulatory Assets/Liab	\$9,519,058	\$9,519,058			Relates to Nonrecovery Balancing Account
115	190.000	Temp - Other/Non-ISO	\$1,027,410,561	\$1,027,410,561			Not Component of Rate Base
116	190.000	Net Operating Losses DTA	\$172,664,412	\$0		\$172,664,412	NOL/DTA

Continuation of Account 190 Detail

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>
<u>ACCT 190</u>	<u>DESCRIPTION</u>	<u>END BAL</u>	<u>Gas, Generation</u>	<u>ISO Only</u>	<u>Plant Related</u>	<u>Labor Related</u>	<u>(Instructions 1&2)</u>
		<u>per G/L</u>	<u>or Other Related</u>				<u>Description</u>
Electric:							
117	...						<u>Source</u>
250	Total Electric 190	\$1,722,386,624	\$1,456,806,092	\$0	\$176,284,750	\$89,295,782	Sum of Above Lines beginning on Line 100

Account 190 Gas and Other Income:

(Instructions 1&2)

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>
300 190.000 Temp - Other/Non-ISO - Gas		-\$910	-\$910				Gas Related Costs
301 190.000 Net Operating Losses DTA - Gas		\$118,747	\$118,747				Gas Related Costs
302 190.000 Balancing Accounts		\$2,738,775	\$2,738,775				Other Non-ISO Related Costs
303 190.000 Temp - Other/Non-ISO - Other		\$1,561,144	\$1,561,144				Not Component of Rate Base
304 190.000 Net Operating Losses DTA - Other		-\$15,234,903	-\$15,234,903				Not Component of Rate Base
305 ...							
	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Source</u>
350 Total Account 190 Gas and Other Income		-\$10,817,147	-\$10,817,147	\$0	\$0	\$0	Sum of Above Lines beginning on Line 300
351 Total Account 190		\$1,711,569,477	\$1,445,988,945	\$0	\$176,284,750	\$89,295,782	Line 250 + Line 350
352 Allocation Factors (Plant and Wages)					19.148%	6.014%	27-Allocators Lines 22 and 9 respectively.
353 Total Account 190 ADIT (Sum of amounts in Columns 4 to 6)		\$39,126,302		\$0	\$33,755,753	\$5,370,549	Line 351 * Line 352 for Cols 5 and 6. Col. 4 100% ISO.
354 FERC Form 1 Account 190		\$1,711,569,477	Must match amount on Line 351, Col. 2				FF1 234.18c

3) Account 282 Detail

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>
<u>ACCT 282</u>	<u>DESCRIPTION</u>	<u>END BAL</u>	<u>Gas, Generation</u>	<u>ISO Only</u>	<u>Plant Related</u>	<u>Labor</u>	<u>Description</u>
		<u>per G/L</u>	<u>or Other Related</u>			<u>Related</u>	(Instructions 1&2)
400 282.000 Fully Normalized Deferred Tax		-\$1,090,207,015		-\$1,090,207,015			Property-Related FERC Costs
401 282.000 Property/Non-ISO		-\$5,756,860,298	-\$5,756,860,298				Property-Related CPUC Costs
402 282.000 Capitalized software		-\$25,491,012	-\$25,491,012				Property-Related CPUC Costs - Cap Software
403 282.000 Audit Rollforward		-\$865,727	-\$865,727				Property-Related CPUC Costs - Audit
404 282.000 Property/Non-ISO - Gas		-\$936,176	-\$936,176				Gas Related Costs
405 282.000 Property/Non-ISO - Other		-\$6,492,275	-\$6,492,275				Other Non-ISO Related Costs
406 ...							
	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Source</u>
450 Total Account 282		-\$6,880,852,503	-\$5,790,645,488	-\$1,090,207,015	\$0	\$0	Sum of Above Lines beginning on Line 400
451 Allocation Factors (Plant and Wages)					19.148%	6.014%	27-Allocators Lines 22 and 9 respectively.
452 Total Account 282 ADIT (Sum of amounts in Columns 4 to 6)		-\$1,090,207,015		-\$1,090,207,015	\$0	\$0	Line 450 * Line 451 for Cols 5 and 6. Col. 4 100% ISO.
453 FERC Form 1 Account 282		\$6,880,852,503	Must match amount on Line 450, Col. 2				FF1 275.5k

4) Account 283 Detail

<u>ACCT 283</u>	<u>Col 1</u> <u>DESCRIPTION</u>	<u>Col 2</u> <u>END BAL</u> <u>per G/L</u>	<u>Col 3</u> <u>Gas, Generation</u> <u>or Other Related</u>	<u>Col 4</u> <u>ISO Only</u>	<u>Col 5</u> <u>Plant Related</u>	<u>Col 6</u> <u>Labor</u> <u>Related</u>	<u>Col 7</u> <u>(Instructions 1&2)</u> <u>Description</u>
Electric:							
500	283.000 Ad Valorem Lien Date Adj-Electric	-\$42,051,267			-\$42,051,267		Relates to all Regulated Electric Property
501	283.000 Refunding & Retirement of Debt	-\$39,655,122	-\$30,927		-\$39,624,195		C: Relates to all Regulated Electric Property
502	283.000 Health Care - IBNR	-\$1,149,642	-3,293.98			-\$1,146,348	C: Relates to employees in all functions
503	283.000 Balancing Accounts	-\$158,026,051	-\$158,026,051				Relates Entirely to CPUC Balancing Account Recovery
504	283.000 Capitalized Software	\$0	\$0				Property-Related CPUC Costs - Cap Software
505	283.000 Decommissioning	-\$422,955,253	-\$422,955,253				Relates to Nuclear Decommissioning Costs
506	283.000 Property/Non-ISO	\$0	\$0				Property-Related CPUC Costs
507	283.000 Regulatory Assets/Liab	\$0	\$0				Relates to Nonrecovery Balancing Account
508	283.000 Temp - Other/Non-ISO	-\$83,907,538	-\$83,907,538				Non-Rate Base FAS 109 Tax Flow-Thru

Continuation of Account 283 Detail

<u>ACCT 283</u>	<u>Col 1</u> <u>DESCRIPTION</u>	<u>Col 2</u> <u>END BAL</u> <u>per G/L</u>	<u>Col 3</u> <u>Gas, Generation</u> <u>or Other Related</u>	<u>Col 4</u> <u>ISO Only</u>	<u>Col 5</u> <u>Plant Related</u>	<u>Col 6</u> <u>Labor</u> <u>Related</u>	<u>Col 7</u> <u>(Instructions 1&2)</u> <u>Description</u>
Electric (continued):							
509	...						
650	Total Electric 283	-\$747,744,873	-\$664,923,063	\$0	-\$81,675,462	-\$1,146,348	Sum of Above Lines beginning on Line 500
Account 283 Gas and Other:							
700	283.000 Temp - Other/Non-ISO - Gas	-\$61,716	-\$61,716				Gas Related Costs
701	283.000 Temp - Other/Non-ISO - Other	-\$4,351,620	-\$4,351,620				Other Non-ISO Related Costs
702	...						

Schedule 9
ADIT

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Source</u>
800	Total Account 283 Gas and Other	-\$4,413,336	-\$4,413,336	\$0	\$0	\$0	Sum of Above Lines beginning on Line 700
801	Total Account 283	-\$752,158,209	-\$669,336,399	\$0	-\$81,675,462	-\$1,146,348	Line 650 + Line 800
802	Allocation Factors (Plant and Wages)				19.148%	6.014%	27-Allocators Lines 22 and 9 respectively.
803	Total Account 283 ADIT (Sum of amounts in Columns 4 to 6)	-\$15,708,510		\$0	-\$15,639,564	-\$68,945	Line 801 * Line 802 for Cols 5 and 6. Col. 4 100% ISO.
804	FERC Form 1 Account 283	\$752,158,209	Must match amount on Line 801, Col. 2				FF1 277.19k

5) Tax Normalization Calculation Pursuant to Treas. Reg §1.167(l)-1(h)(6); PLR 9313008; 9202029; 922404; 201717008

	<u>Col 1</u>	<u>Col 2</u> See Note 1	<u>Col 3</u> See Note 2	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u> Col 5 / Tot. Days	<u>Col 7</u> = Col 2 * Col 6	<u>Col 8</u> See Note 3
	<u>Future Test Period</u>	<u>Mthly Deferred Tax Amount</u>	<u>Deferred Tax Balance</u>	<u>Days in Month</u>	<u>Number of Days Left in Period</u>	<u>Prorata Percentages</u>	<u>Monthly Prorata Amounts</u>	<u>Annual Accumulated Prorata Calculation</u>
805	Beginning Deferred Tax Balance (Line 10, Col. 2)		-\$1,550,608,605		365	100.00%		-\$1,550,608,605
806	January	-\$8,206,680.40	-\$1,558,815,286	31	334	91.51%	-\$7,509,675	-\$1,558,118,280
807	February	-\$8,206,680.40	-\$1,567,021,966	28	306	83.84%	-\$6,880,121	-\$1,564,998,401
808	March	-\$8,206,680.40	-\$1,575,228,646	31	275	75.34%	-\$6,183,115	-\$1,571,181,516
809	April	-\$8,206,680.40	-\$1,583,435,327	30	245	67.12%	-\$5,508,594	-\$1,576,690,110
810	May	-\$8,206,680.40	-\$1,591,642,007	31	214	58.63%	-\$4,811,588	-\$1,581,501,698
811	June	-\$8,206,680.40	-\$1,599,848,688	30	184	50.41%	-\$4,137,066	-\$1,585,638,764
812	July	-\$8,206,680.40	-\$1,608,055,368	31	153	41.92%	-\$3,440,061	-\$1,589,078,825
813	August	-\$8,206,680.40	-\$1,616,262,048	31	122	33.42%	-\$2,743,055	-\$1,591,821,880
814	September	-\$8,206,680.40	-\$1,624,468,729	30	92	25.21%	-\$2,068,533	-\$1,593,890,413
815	October	-\$8,206,680.40	-\$1,632,675,409	31	61	16.71%	-\$1,371,527	-\$1,595,261,940
816	November	-\$8,206,680.40	-\$1,640,882,090	30	31	8.49%	-\$697,006	-\$1,595,958,946
817	December	-\$8,206,680.40	-\$1,649,088,770	31	0	0.00%	\$0	-\$1,595,958,946
818	Ending Balance (Line 5, Col. 2)		-\$1,649,088,770					
819						Weighted Average ADIT Balance:		-\$1,580,823,717

Instruction 1: For any "Company Wide" ADIT line item balance (i.e., that include Catalina Gas or Water costs), indicate in Column 7 with a leading "C:".

Instruction 2: For any Company Wide ADIT balance items, include a portion of the total Column 2 balance in Column 3 "Gas, Generation, or Other Related" based on the following percentages.

1) For Line items allocated based on the Wages and Salaries Allocation Factor:

	FERC Form 1 Reference or Instruction	Prior Year Value
A:Total Electric Wages and Salaries	FF1 354.28b	\$749,285,680
B:Gas Wages and Salaries	FF1 355.62b	\$615,045
C:Water Wages and Salaries	FF1 355.64b	<u>\$1,537,997</u>
D:Total Electric, Gas, and Water Wages and Salaries	A+B+C	\$751,438,722
E:Labor Percentage "Gas, Generation, or Other"	(B+C) / D	0.2865%

2) For Line items allocated based on the Transmission Plant Allocation Factor or "ISO Only":

	FERC Form 1 Reference or Instruction	Prior Year Value
F:Total Electric Plant In Service	FF1 207.104g	\$46,164,121,713
G:Total Gas Plant In Service	FF1 201.8d	\$6,268,777
H:Total Water Plant in Service	FF1 201.8e	<u>\$29,763,069</u>
I:Total Electric, Gas, and Water Plant In Service	F+G+H	\$46,200,153,559
J:Plant Percentage "Gas, Generation, or Other"	(G+H) / I	0.0780%

Instruction 3: Classify any ADIT line items relating to refunding and retirement of debt as Plant related (Column 5).

Notes:

- 1) The monthly deferred tax amounts are equal to the ending ADIT balance minus the beginning ADIT balance, divided by 12 months.
- 2) For January through December = previous month balance plus amount in Column 2.
- 3) The weighted average ADIT Balance is equal to the summation of Col. 8, Lines 805 through 817, divided by 13 months.

Prior Year CWIP and Forecast Period Incremental CWIP by Project

Prior Year CWIP is the amount of Construction Work In Progress for projects that have received Commission approval to include CWIP in Rate Base.

1) Prior Year CWIP, Total and by Project

			<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>
			= Sum of all columns					
<u>Line</u>	<u>Month</u>	<u>Year</u>	<u>Monthly Total CWIP</u>	<u>Tehachapi</u>	<u>Devers to Colorado River</u>	<u>South of Kramer</u>	<u>West of Devers</u>	<u>Red Bluff</u>
1	December	2016	\$115,749,706	\$14,915,548	\$0	\$4,204,927	\$69,685,245	\$0
2	January	2017	\$117,194,142	\$15,082,524	\$0	\$4,239,931	\$70,177,660	\$0
3	February	2017	\$119,164,541	\$15,117,127	\$0	\$4,296,863	\$71,031,101	\$0
4	March	2017	\$125,730,091	\$15,123,625	\$0	\$4,400,061	\$73,723,204	\$0
5	April	2017	\$95,419,244	\$15,192,634	\$0	\$4,461,541	\$75,120,416	\$0
6	May	2017	\$82,582,163	\$149,718	\$0	\$4,476,504	\$77,300,754	\$0
7	June	2017	\$84,504,679	\$149,718	\$0	\$4,697,238	\$78,966,264	\$0
8	July	2017	\$85,941,140	\$149,718	\$0	\$4,761,048	\$80,276,384	\$0
9	August	2017	\$89,338,929	\$150,129	\$0	\$4,777,853	\$83,585,450	\$0
10	September	2017	\$91,194,895	\$150,062	\$0	\$4,824,268	\$85,335,965	\$0
11	October	2017	\$91,967,696	\$150,062	\$0	\$4,844,918	\$86,972,716	\$0
12	November	2017	\$134,322,419	\$150,062	\$0	\$4,852,268	\$91,066,687	\$0
13	December	2017	\$221,778,480	\$150,976	\$0	\$4,884,728	\$98,805,812	\$0
14	13 Month Averages:		\$111,914,471	\$5,894,762	\$0	\$4,594,011	\$80,157,512	\$0
			<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>	<u>Col 12</u>
<u>Line</u>	<u>Month</u>	<u>Year</u>	<u>Whirlwind Substation Expansion</u>	<u>Colorado River Substation Expansion</u>	<u>Mesa</u>	<u>Alberhill</u>	<u>ELM Series Caps</u>	
15	December	2016	\$26,943,987	\$0	\$0	\$0	\$0	
16	January	2017	\$27,694,027	\$0	\$0	\$0	\$0	
17	February	2017	\$28,719,449	\$0	\$0	\$0	\$0	
18	March	2017	\$32,483,202	\$0	\$0	\$0	\$0	
19	April	2017	\$644,653	\$0	\$0	\$0	\$0	
20	May	2017	\$655,187	\$0	\$0	\$0	\$0	
21	June	2017	\$691,460	\$0	\$0	\$0	\$0	
22	July	2017	\$753,990	\$0	\$0	\$0	\$0	
23	August	2017	\$825,497	\$0	\$0	\$0	\$0	
24	September	2017	\$884,600	\$0	\$0	\$0	\$0	
25	October	2017	\$0	\$0	\$0	\$0	\$0	
26	November	2017	\$0	\$0	\$38,253,401	\$0	\$0	
27	December	2017	\$0	\$0	\$46,788,116	\$36,155,803	\$34,993,045	
28	13 Month Averages:		\$9,253,542	\$0	\$6,541,655	\$2,781,216	\$2,691,773	---

2) Total Forecast Period CWIP Expenditures (see Note 1)

Line	Month	Year	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
			See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2
			Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
29	December	2017	---	---	---	---	---	---	\$221,778,480	---
30	January	2018	\$9,351,204	\$701,340	\$10,052,544	\$5,037,315	\$4,098,417	\$70,417	\$191,730,246	\$4,944,811
31	February	2018	\$10,204,202	\$765,315	\$10,969,517	\$1,615,948	\$0	\$121,196	\$200,962,619	\$14,177,184
32	March	2018	\$22,153,491	\$1,661,512	\$23,815,003	\$1,024,177	\$0	\$76,813	\$223,676,632	\$36,891,197
33	April	2018	\$9,357,335	\$701,800	\$10,059,135	\$116,255	\$0	\$8,719	\$233,610,793	\$46,825,358
34	May	2018	\$14,954,818	\$1,121,611	\$16,076,429	\$786,000	\$0	\$58,950	\$248,842,272	\$62,056,638
35	June	2018	\$17,718,219	\$1,328,866	\$19,047,085	\$3,410,370	\$2,447,558	\$72,211	\$264,406,777	\$77,621,342
36	July	2018	\$12,070,760	\$905,307	\$12,976,067	\$548,326	\$0	\$41,124	\$276,793,394	\$90,007,959
37	August	2018	\$16,798,571	\$1,259,893	\$18,058,464	\$297,663	\$0	\$22,325	\$294,531,870	\$107,746,435
38	September	2018	\$13,815,047	\$1,036,129	\$14,851,175	\$349,971	\$0	\$26,248	\$309,006,826	\$122,221,392
39	October	2018	\$24,263,780	\$1,819,783	\$26,083,563	\$77,673	\$0	\$5,825	\$335,006,891	\$148,221,457
40	November	2018	\$22,781,801	\$1,708,635	\$24,490,436	\$47,000	\$0	\$3,525	\$359,446,802	\$172,661,367
41	December	2018	\$27,803,219	\$2,085,241	\$29,888,461	\$20,677,884	\$8,513,638	\$912,318	\$367,745,060	\$180,959,625
42	January	2019	\$10,509,601	\$788,220	\$11,297,821	\$185,930	\$0	\$13,945	\$378,843,006	\$192,057,571
43	February	2019	\$18,429,548	\$1,382,216	\$19,811,764	\$204,643	\$0	\$15,348	\$398,434,779	\$211,649,344
44	March	2019	\$20,210,543	\$1,515,791	\$21,726,333	\$361,034	\$0	\$27,078	\$419,773,001	\$232,987,566
45	April	2019	\$18,395,093	\$1,379,632	\$19,774,725	\$373,816	\$0	\$28,036	\$439,145,873	\$252,360,439
46	May	2019	\$19,070,892	\$1,430,317	\$20,501,209	\$400,431	\$0	\$30,032	\$459,216,619	\$272,431,185
47	June	2019	\$34,328,459	\$2,574,634	\$36,903,093	\$413,213	\$0	\$30,991	\$495,675,508	\$308,890,074
48	July	2019	\$21,416,333	\$1,606,225	\$23,022,558	\$432,387	\$0	\$32,429	\$518,233,250	\$331,447,816
49	August	2019	\$22,238,370	\$1,667,878	\$23,906,247	\$14,427,934	\$8,470,083	\$446,839	\$527,264,724	\$340,479,290
50	September	2019	\$24,775,209	\$1,858,141	\$26,633,350	\$453,078	\$0	\$33,981	\$553,411,015	\$366,625,580
51	October	2019	\$23,310,193	\$2,891,632	\$41,446,725	\$19,987,218	\$9,341,864	\$798,402	\$574,072,120	\$387,286,685
52	November	2019	\$28,594,395	\$2,488,229	\$35,664,615	\$16,531,554	\$6,140,181	\$779,353	\$592,425,828	\$405,640,393
53	December	2019	\$33,982,790	\$2,548,709	\$36,531,499	\$5,786,285	\$2,531,642	\$244,098	\$622,926,944	\$436,141,510
54	13-Month Averages:									\$301,458,237

3) Forecast Period CWIP Expenditures by Project (see Note 1)

3a) Project: **Tehachapi**

Line	Month	Year	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
			16-Pint Add Line 74	= C1 + 16-Pint Add Line 74	= C1 + C2	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
55	December	2017	---	---	---	---	---	---	\$150,976	---
56	January	2018	\$426,481	\$31,986	\$458,467	\$191,116	\$0	\$14,334	\$403,994	\$253,017
57	February	2018	\$659,259	\$49,444	\$708,703	\$891,972	\$0	\$66,898	\$153,827	\$2,851
58	March	2018	\$589,704	\$44,228	\$633,932	\$588,345	\$0	\$44,126	\$155,288	\$4,312
59	April	2018	\$82,255	\$6,169	\$88,424	\$80,255	\$0	\$6,019	\$157,438	\$6,462
60	May	2018	\$788,000	\$59,100	\$847,100	\$786,000	\$0	\$58,950	\$159,588	\$8,612
61	June	2018	\$703,326	\$52,749	\$756,075	\$862,313	\$150,976	\$53,350	\$0	-\$150,976
62	July	2018	\$503,326	\$37,749	\$541,075	\$503,326	\$0	\$37,749	\$0	-\$150,976
63	August	2018	\$252,663	\$18,950	\$271,613	\$252,663	\$0	\$18,950	\$0	-\$150,976
64	September	2018	\$304,971	\$22,873	\$327,844	\$304,971	\$0	\$22,873	\$0	-\$150,976
65	October	2018	\$2,000	\$150	\$2,150	\$2,000	\$0	\$150	\$0	-\$150,976
66	November	2018	\$2,000	\$150	\$2,150	\$2,000	\$0	\$150	\$0	-\$150,976
67	December	2018	\$2,161,291	\$162,097	\$2,323,388	\$2,161,291	\$0	\$162,097	\$0	-\$150,976
68	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
69	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
70	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
71	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
72	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
73	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
74	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
75	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
76	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
77	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
78	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
79	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$150,976
80	13-Month Averages:									-\$150,976

3b) Project: Devers to Colorado River

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 Corporate Overheads	Col 3 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 Over Heads Closed to PIS	Col 7 Forecast Period CWIP	Col 8 Forecast Period Incremental CWIP
81	December	2017	---	---	---	---	---	---	\$0	---
82	January	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
83	February	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
84	March	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85	April	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
86	May	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
87	June	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
88	July	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
89	August	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90	September	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
91	October	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
92	November	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
93	December	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
94	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
96	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
97	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
98	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
99	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
100	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
101	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
102	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
104	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
105	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
106	13-Month Averages:									
										\$0

3c) Project: South of Kramer

Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
107	December	2017	---	---	---	---	---	---	\$4,884,728	---
108	January	2018	\$11,515	\$864	\$12,379	\$0	\$0	\$0	\$4,897,107	\$12,379
109	February	2018	\$11,776	\$883	\$12,659	\$0	\$0	\$0	\$4,909,766	\$25,038
110	March	2018	\$11,286	\$846	\$12,132	\$0	\$0	\$0	\$4,921,898	\$37,170
111	April	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$4,941,657	\$56,929
112	May	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$4,961,415	\$76,687
113	June	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$4,981,174	\$96,446
114	July	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$5,000,932	\$116,204
115	August	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$5,020,691	\$135,963
116	September	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$5,040,449	\$155,721
117	October	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$5,060,208	\$175,480
118	November	2018	\$18,380	\$1,379	\$19,759	\$0	\$0	\$0	\$5,079,966	\$195,238
119	December	2018	\$18,383	\$1,379	\$19,762	\$0	\$0	\$0	\$5,099,728	\$215,000
120	January	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,126,603	\$241,875
121	February	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,153,478	\$268,750
122	March	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,180,353	\$295,625
123	April	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,207,228	\$322,500
124	May	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,234,103	\$349,375
125	June	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,260,978	\$376,250
126	July	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,287,853	\$403,125
127	August	2019	\$125,000	\$9,375	\$134,375	\$0	\$0	\$0	\$5,422,228	\$537,500
128	September	2019	\$250,000	\$18,750	\$268,750	\$0	\$0	\$0	\$5,690,978	\$806,250
129	October	2019	\$250,000	\$18,750	\$268,750	\$0	\$0	\$0	\$5,959,728	\$1,075,000
130	November	2019	\$250,000	\$18,750	\$268,750	\$0	\$0	\$0	\$6,228,478	\$1,343,750
131	December	2019	\$545,000	\$40,875	\$585,875	\$0	\$0	\$0	\$6,814,353	\$1,929,625
132	13-Month Averages:									
										\$628,048

3d) Project:			West of Devers								
Line	Month	Year	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	
			= C1 * 16-Pint Add Line 74		= C1 + C2		= (C4 - C5) * 16-Pint Add Line 74		= Prior Month C7 + C3 - C4 - C6		= C7 - Dec Prior Year C7
Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP	
133	December	2017	---	---	---	---	---	---	\$98,805,812	---	
134	January	2018	\$588,167	\$44,113	\$632,280	\$0	\$0	\$0	\$99,438,091	\$632,280	
135	February	2018	\$2,503,300	\$187,748	\$2,691,048	\$0	\$0	\$0	\$102,129,139	\$3,323,327	
136	March	2018	\$4,798,387	\$359,879	\$5,158,266	\$0	\$0	\$0	\$107,287,405	\$8,481,593	
137	April	2018	\$5,648,177	\$423,613	\$6,071,790	\$0	\$0	\$0	\$113,359,195	\$14,553,383	
138	May	2018	\$5,573,177	\$417,988	\$5,991,165	\$0	\$0	\$0	\$119,350,360	\$20,544,549	
139	June	2018	\$6,499,929	\$487,495	\$6,987,424	\$2,458,051	\$2,207,009	\$18,828	\$123,860,905	\$25,055,094	
140	July	2018	\$5,781,065	\$433,580	\$6,214,645	\$45,000	\$0	\$3,375	\$130,027,175	\$31,221,363	
141	August	2018	\$7,660,609	\$574,546	\$8,235,155	\$45,000	\$0	\$3,375	\$138,213,955	\$39,408,143	
142	September	2018	\$7,537,297	\$565,297	\$8,102,594	\$45,000	\$0	\$3,375	\$146,268,174	\$47,462,362	
143	October	2018	\$18,313,481	\$1,373,511	\$19,686,992	\$75,673	\$0	\$5,675	\$165,873,818	\$67,068,006	
144	November	2018	\$19,079,066	\$1,430,930	\$20,509,996	\$45,000	\$0	\$3,375	\$186,335,438	\$87,529,627	
145	December	2018	\$20,045,130	\$1,503,385	\$21,548,515	\$18,456,121	\$8,497,680	\$746,883	\$188,680,949	\$89,875,137	
146	January	2019	\$4,609,602	\$345,720	\$4,955,322	\$185,000	\$0	\$13,875	\$193,437,396	\$94,631,585	
147	February	2019	\$5,236,167	\$392,713	\$5,628,880	\$190,000	\$0	\$14,250	\$198,862,026	\$100,056,214	
148	March	2019	\$11,290,424	\$846,782	\$12,137,206	\$340,000	\$0	\$25,500	\$210,633,731	\$111,827,920	
149	April	2019	\$12,835,520	\$962,664	\$13,798,184	\$340,000	\$0	\$25,500	\$224,066,415	\$125,260,604	
150	May	2019	\$13,428,006	\$1,007,100	\$14,435,106	\$340,000	\$0	\$25,500	\$238,136,022	\$139,330,210	
151	June	2019	\$14,204,694	\$1,065,352	\$15,270,046	\$340,000	\$0	\$25,500	\$253,040,568	\$154,234,756	
152	July	2019	\$14,472,486	\$1,085,436	\$15,557,922	\$340,000	\$0	\$25,500	\$268,232,990	\$169,427,179	
153	August	2019	\$14,642,486	\$1,098,186	\$15,740,672	\$340,000	\$0	\$25,500	\$283,608,163	\$184,802,351	
154	September	2019	\$15,213,790	\$1,141,034	\$16,354,824	\$340,000	\$0	\$25,500	\$299,597,487	\$200,791,675	
155	October	2019	\$18,580,671	\$1,393,550	\$19,974,221	\$5,706,367	\$3,174,605	\$189,882	\$313,675,460	\$214,869,648	
156	November	2019	\$13,761,026	\$1,032,077	\$14,793,103	\$290,000	\$0	\$21,750	\$328,156,813	\$229,351,001	
157	December	2019	\$14,863,709	\$1,114,778	\$15,978,487	\$290,000	\$0	\$21,750	\$343,823,550	\$245,017,738	
158	13-Month Averages:									\$158,421,232	

3e) Project:			Red Bluff							
Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
159	December	2017	---	---	---	---	---	---	\$0	---
160	January	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
161	February	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
162	March	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
163	April	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
164	May	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
165	June	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
166	July	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
167	August	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
168	September	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
169	October	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
170	November	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
171	December	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
172	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
173	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
174	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
175	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
176	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
177	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
178	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
179	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
180	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
181	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
182	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
183	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
184	13-Month Averages:									\$0

3f) Project: Whirlwind Substation Expansion

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 Corporate Overheads	Col 3 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 Over Heads Closed to PIS	Col 7 Forecast Period CWIP	Col 8 Forecast Period Incremental CWIP
185	December	2017	---	---	---	---	---	---	\$0	---
186	January	2018	\$10,309	\$773	\$11,082	\$10,309	\$0	\$773	\$0	\$0
187	February	2018	\$6,204	\$465	\$6,669	\$6,204	\$0	\$465	\$0	\$0
188	March	2018	\$6,687	\$502	\$7,189	\$6,687	\$0	\$502	\$0	\$0
189	April	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
190	May	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
191	June	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
192	July	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
193	August	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
194	September	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
195	October	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
196	November	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
197	December	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
198	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
199	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
201	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
202	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
203	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
204	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
205	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
206	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
207	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
208	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
209	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
210	13-Month Averages:									
										\$0

3g) Project: Colorado River Substation Expansion

Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
211	December	2017	---	---	---	---	---	---	\$0	---
212	January	2018	\$728	\$55	\$783	\$728	\$0	\$55	\$0	\$0
213	February	2018	\$1,158	\$87	\$1,245	\$1,158	\$0	\$87	\$0	\$0
214	March	2018	\$780	\$59	\$839	\$780	\$0	\$59	\$0	\$0
215	April	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
216	May	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
217	June	2018	\$334	\$25	\$359	\$334	\$0	\$25	\$0	\$0
218	July	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
219	August	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
220	September	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
221	October	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
222	November	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
223	December	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
224	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
225	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
226	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
227	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
228	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
229	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
230	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
231	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
232	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
233	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
234	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
235	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
236	13-Month Averages:									
										\$0

3h) Project: **Mesa**

Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
237	December	2017	---	---	---	---	---	---	\$46,788,116	---
238	January	2018	\$6,150,625	\$461,297	\$6,611,922	\$4,835,162	\$4,098,417	\$55,256	\$48,509,620	\$1,721,504
239	February	2018	\$6,764,842	\$507,363	\$7,272,205	\$716,614	\$0	\$53,746	\$55,011,464	\$8,223,348
240	March	2018	\$6,728,747	\$504,656	\$7,233,403	\$428,365	\$0	\$32,127	\$61,784,375	\$14,996,259
241	April	2018	\$2,637,958	\$197,847	\$2,835,805	\$36,000	\$0	\$2,700	\$64,581,480	\$17,793,364
242	May	2018	\$7,602,991	\$570,224	\$8,173,216	\$0	\$0	\$0	\$72,754,696	\$25,966,580
243	June	2018	\$9,514,013	\$713,551	\$10,227,564	\$0	\$0	\$0	\$82,982,260	\$36,194,144
244	July	2018	\$4,760,538	\$357,040	\$5,117,579	\$0	\$0	\$0	\$88,099,839	\$41,311,723
245	August	2018	\$7,813,915	\$586,044	\$8,399,959	\$0	\$0	\$0	\$96,499,797	\$49,711,681
246	September	2018	\$4,860,922	\$364,569	\$5,225,491	\$0	\$0	\$0	\$101,725,289	\$54,937,173
247	October	2018	\$5,232,286	\$392,421	\$5,624,708	\$0	\$0	\$0	\$107,349,996	\$60,561,880
248	November	2018	\$3,062,453	\$229,684	\$3,292,137	\$0	\$0	\$0	\$110,642,133	\$63,854,017
249	December	2018	\$4,668,878	\$350,166	\$5,019,044	\$23,755	\$0	\$1,782	\$115,635,641	\$68,847,525
250	January	2019	\$5,133,736	\$385,030	\$5,518,766	\$0	\$0	\$0	\$121,154,407	\$74,366,291
251	February	2019	\$11,785,380	\$883,903	\$12,669,283	\$0	\$0	\$0	\$133,823,690	\$87,035,574
252	March	2019	\$7,424,715	\$556,854	\$7,981,568	\$0	\$0	\$0	\$141,805,258	\$95,017,142
253	April	2019	\$4,022,697	\$301,702	\$4,324,399	\$0	\$0	\$0	\$146,129,657	\$99,341,541
254	May	2019	\$3,957,356	\$296,802	\$4,254,158	\$0	\$0	\$0	\$150,383,815	\$103,595,699
255	June	2019	\$4,386,911	\$329,018	\$4,715,929	\$0	\$0	\$0	\$155,099,744	\$108,311,628
256	July	2019	\$5,763,632	\$432,272	\$6,195,905	\$0	\$0	\$0	\$161,295,649	\$114,507,533
257	August	2019	\$6,352,933	\$476,470	\$6,829,403	\$0	\$0	\$0	\$168,125,052	\$121,336,936
258	September	2019	\$8,352,169	\$626,413	\$8,978,581	\$0	\$0	\$0	\$177,103,633	\$130,315,517
259	October	2019	\$3,995,870	\$299,690	\$4,295,560	\$0	\$0	\$0	\$181,399,193	\$134,611,077
260	November	2019	\$14,262,524	\$1,069,689	\$15,332,214	\$0	\$0	\$0	\$196,731,407	\$149,943,291
261	December	2019	\$9,312,568	\$698,443	\$10,011,010	\$4,179,168	\$2,531,642	\$123,564	\$202,439,684	\$155,651,568
262	13-Month Averages:									\$110,990,871

3i) Project: **Alberhill**

Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
263	December	2017	---	---	---	---	---	---	\$36,155,803	---
264	January	2018	\$15,725	\$1,179	\$16,904	\$0	\$0	\$0	\$36,172,707	\$16,904
265	February	2018	\$39,608	\$2,971	\$42,579	\$0	\$0	\$0	\$36,215,286	\$59,483
266	March	2018	\$43,160	\$3,237	\$46,397	\$0	\$0	\$0	\$36,261,683	\$105,880
267	April	2018	\$116,635	\$8,748	\$125,383	\$0	\$0	\$0	\$36,387,065	\$231,262
268	May	2018	\$89,340	\$6,700	\$96,040	\$0	\$0	\$0	\$36,483,105	\$327,303
269	June	2018	\$86,306	\$6,473	\$92,779	\$89,672	\$89,573	\$7	\$36,486,206	\$330,403
270	July	2018	\$126,591	\$9,494	\$136,085	\$0	\$0	\$0	\$36,622,291	\$466,488
271	August	2018	\$170,144	\$12,761	\$182,905	\$0	\$0	\$0	\$36,805,196	\$649,393
272	September	2018	\$147,617	\$11,071	\$158,688	\$0	\$0	\$0	\$36,963,884	\$808,081
273	October	2018	\$98,843	\$7,413	\$106,256	\$0	\$0	\$0	\$37,070,140	\$914,337
274	November	2018	\$315,182	\$23,639	\$338,821	\$0	\$0	\$0	\$37,408,960	\$1,253,157
275	December	2018	\$63,376	\$4,753	\$68,129	\$0	\$0	\$0	\$37,477,089	\$1,321,286
276	January	2019	\$273,333	\$20,500	\$293,833	\$0	\$0	\$0	\$37,770,922	\$1,615,119
277	February	2019	\$108,141	\$8,111	\$116,252	\$12,783	\$0	\$959	\$37,873,432	\$1,717,630
278	March	2019	\$189,544	\$14,216	\$203,760	\$19,174	\$0	\$1,438	\$38,056,580	\$1,900,777
279	April	2019	\$243,017	\$18,226	\$261,243	\$31,956	\$0	\$2,397	\$38,283,470	\$2,127,667
280	May	2019	\$323,230	\$24,242	\$347,472	\$51,131	\$0	\$3,835	\$38,575,976	\$2,420,174
281	June	2019	\$376,704	\$28,253	\$404,957	\$63,913	\$0	\$4,793	\$38,912,227	\$2,756,424
282	July	2019	\$456,915	\$34,269	\$491,183	\$83,087	\$0	\$6,232	\$39,314,092	\$3,158,289
283	August	2019	\$483,650	\$36,274	\$519,924	\$89,478	\$0	\$6,711	\$39,737,827	\$3,582,024
284	September	2019	\$483,650	\$36,274	\$519,924	\$89,478	\$0	\$6,711	\$40,161,562	\$4,005,759
285	October	2019	\$483,652	\$36,274	\$519,926	\$89,478	\$0	\$6,711	\$40,585,298	\$4,429,495
286	November	2019	\$320,845	\$24,063	\$344,908	\$76,696	\$0	\$5,752	\$40,847,758	\$4,691,956
287	December	2019	\$4,917,683	\$368,826	\$5,286,510	\$31,956	\$0	\$2,397	\$46,099,915	\$9,944,112
288	13-Month Averages:									\$3,359,286

3j) Project:		ELM Series Capacitors								
		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	
		= C1 * 16-Pint Add Line 74		= C1 + C2		= (C4 - C5) * 16-Pint Add Line 74		= Prior Month C7 + C3 - C4 - C6		= C7 - Dec Prior Year C7
Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
289	December	2017	---	---	---	---	---	---	\$0	---
290	January	2018	\$2,147,654	\$161,074	\$2,308,728	\$0	\$0	\$0	\$2,308,728	\$2,308,728
291	February	2018	\$218,055	\$16,354	\$234,409	\$0	\$0	\$0	\$2,543,137	\$2,543,137
292	March	2018	\$9,974,740	\$748,106	\$10,722,846	\$0	\$0	\$0	\$13,265,983	\$13,265,983
293	April	2018	\$853,930	\$64,045	\$917,975	\$0	\$0	\$0	\$14,183,958	\$14,183,958
294	May	2018	\$882,930	\$66,220	\$949,150	\$0	\$0	\$0	\$15,133,108	\$15,133,108
295	June	2018	\$895,930	\$67,195	\$963,125	\$0	\$0	\$0	\$16,096,232	\$16,096,232
296	July	2018	\$880,860	\$66,065	\$946,925	\$0	\$0	\$0	\$17,043,157	\$17,043,157
297	August	2018	\$882,860	\$66,215	\$949,075	\$0	\$0	\$0	\$17,992,231	\$17,992,231
298	September	2018	\$945,860	\$70,940	\$1,016,800	\$0	\$0	\$0	\$19,009,031	\$19,009,031
299	October	2018	\$598,790	\$44,909	\$643,699	\$0	\$0	\$0	\$19,652,730	\$19,652,730
300	November	2018	\$304,720	\$22,854	\$327,574	\$0	\$0	\$0	\$19,980,304	\$19,980,304
301	December	2018	\$846,161	\$63,462	\$909,623	\$36,717	\$15,958	\$1,557	\$20,851,653	\$20,851,653
302	January	2019	\$467,930	\$35,095	\$503,025	\$930	\$0	\$70	\$21,353,678	\$21,353,678
303	February	2019	\$1,274,860	\$95,615	\$1,370,475	\$1,860	\$0	\$140	\$22,722,153	\$22,722,153
304	March	2019	\$1,280,860	\$96,065	\$1,376,925	\$1,860	\$0	\$140	\$24,097,078	\$24,097,078
305	April	2019	\$1,268,860	\$95,165	\$1,364,025	\$1,860	\$0	\$140	\$25,459,103	\$25,459,103
306	May	2019	\$1,337,300	\$100,298	\$1,437,598	\$9,300	\$0	\$698	\$26,886,703	\$26,886,703
307	June	2019	\$15,335,150	\$1,150,136	\$16,485,286	\$9,300	\$0	\$698	\$43,361,992	\$43,361,992
308	July	2019	\$698,300	\$52,373	\$750,673	\$9,300	\$0	\$698	\$44,102,667	\$44,102,667
309	August	2019	\$634,300	\$47,573	\$681,873	\$13,998,456	\$8,470,083	\$414,628	\$30,371,455	\$30,371,455
310	September	2019	\$475,600	\$35,670	\$511,270	\$23,600	\$0	\$1,770	\$30,857,355	\$30,857,355
311	October	2019	\$15,244,900	\$1,143,368	\$16,388,268	\$14,191,373	\$6,167,259	\$601,809	\$32,452,441	\$32,452,441
312	November	2019	\$4,581,991	\$343,649	\$4,925,640	\$16,164,858	\$6,140,181	\$751,851	\$20,461,372	\$20,461,372
313	December	2019	\$4,343,830	\$325,787	\$4,669,617	\$1,285,160	\$0	\$96,387	\$23,749,443	\$23,749,443
314	13-Month Averages:									\$28,209,776

3k) Project:		add additional projects below this line (See Instruction 3)								
		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	
		= C1 * 16-Pint Add Line 74		= C1 + C2		= (C4 - C5) * 16-Pint Add Line 74		= Prior Month C7 + C3 - C4 - C6		= C7 - Dec Prior Year C7
Line	Month	Year	Forecast Expenditures	Corporate Overheads	Total CWIP Exp	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	Forecast Period CWIP	Forecast Period Incremental CWIP
315	December	2017	---	---	---	---	---	---	\$0	---
316	January	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
317	February	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
318	March	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
319	April	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
320	May	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
321	June	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
322	July	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
323	August	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
324	September	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
325	October	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
326	November	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
327	December	2018	---	\$0	\$0	---	---	\$0	\$0	\$0
328	January	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
329	February	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
330	March	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
331	April	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
332	May	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
333	June	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
334	July	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
335	August	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
336	September	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
337	October	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
338	November	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
339	December	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
340	13-Month Averages:									\$0

Notes:

- Forecast Period is the calendar year two years after the Prior Year (i.e., PY+2).
- Sum of project specific values from lines 55-79, 81-105, 107-131, 133-157, 159-183, 185-209, 211-235, 237-261, 263-287, 289-313,...

Instructions:

- Enter recorded amounts of CWIP during Prior Year on Lines 1-13, 15-27 (including December of year previous to Prior Year).
- Enter forecast project specific values on lines 55-79, 81-105, 107-131, 133-157, 159-183, 185-209, 211-235, 237-261, 263-287, 289-313,...
- If Commission approval is granted to include CWIP in Rate Base for additional projects, include additional tables for each of those additional projects.

TRANSMISSION PLANT HELD FOR FUTURE USE

Inputs are shaded yellow

Transmission Plant Held for Future Use shall be amounts of Electric Plant Held for Future Use (account 105) intended to be placed under the Operational Control of the ISO, plus an allocated amount of any General Electric Plant Held for Future Use, with the allocation factor being the Transmission Wages and Salaries AF.

<u>Line</u>		<u>Beginning of Year Balance</u>	<u>End of Year Balance</u>	<u>Source</u>
1	Total Electric PHFU	\$16,261,841	\$15,781,292	FF1 page 214.47d

Plant intended to be placed under the Operational Control of the ISO:

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>
	<u>Description</u>	<u>Type of Plant</u>	<u>Beginning of Year Balance</u>	<u>End of Year Balance</u>	<u>Source</u>
2a	Alberhill	Sub	\$9,942,155	\$9,942,155	SCE records
2b					
2c					
2d					
2e					
2f					
2g					
2h					
...					
3	Total:		\$9,942,155	\$9,942,155	Sum of above lines

		<u>Beginning of Year Balance</u>	<u>End of Year Balance</u>	<u>Source</u>
4	General Plant Held for Future Use	\$0	\$0	FF1 page 214
5	Wages and Salaries AF:	6.014%	6.014%	27-Allocators, L 9
6	Portion for Transmission PHFU:	\$0	\$0	L 4 * L 5

All other Electric Plant Held for Future Use not intended to be placed under the Operational Control of the ISO:

		<u>Beginning of Year Balance</u>	<u>End of Year Balance</u>	<u>Source</u>
7		\$6,319,686	\$5,839,137	Note 1

		<u>Beginning of Year Balance</u>	<u>End of Year Balance</u>	<u>Source</u>
8	Transmission PHFU:	\$9,942,155	\$9,942,155	L 3 + L 6
9	Average of BOY and EOY Transmission PHFU:	\$9,942,155		Sum of Line 8 / 2

Calculation of Gain or Loss on Transmission Plant Held for Future Use -- Land

			<u>Source</u>
10	Gain or Loss on Transmission Plant Held for Future Use --- Land	\$0	SCE Records

Instructions:

- 1) For any Electric Plant Held for Future Use intended to be placed under the Operational Control of the ISO, list on lines 2a, 2b, etc. Provide description in Column 1. Note type of plant (land or other) in Column 2. Under "Source" (Column 5), state the line number on FERC Form 1 page 214 from which the amount is derived. BOY amount will be EOY value from previous year FERC Form 1, EOY amount will be in current year FF1.
- 2) For any Electric Plant Held for Future Use classified as General note amount on Line 4.
- 3) Add additional lines 2 i, j, k, etc. as necessary to include additional projects intended to be placed under the Operational Control of the ISO.
- 4) Gains and Losses on Transmission Plant Held for Future Use - Land is treated in accordance with Commission policy. Any gain or loss on non-land portions of Transmission Plant Held for Future Use is not included.

Notes:

- 1) Amount of Line 1 not intended to be placed under the Operational Control of the ISO.

Determination of amount of Abandoned Plant and Abandoned Plant Amortization Expense

Input data is shaded yellow

Initially Abandoned Plant Amortization Expense and Abandoned Plant are both zero.

Upon Commission approval of recovery of abandoned plant costs for a specific project or projects, SCE will complete this worksheet in accordance with that Order.

Orders Providing for Abandoned Plant Cost Recovery:	Project	Commission Order

Abandoned Plant for each project represents the amount of costs that the Order approves for inclusion in Rate Base.

Abandoned Plant Amortization Expense for each project represents the annual amortization of abandoned costs that the Order approves as an annual expense.

Line		Amount for Prior Year	Note:
1	Abandoned Plant Amortization Expense:	\$0	Sum of projects below for PY.
2	Abandoned Plant (BOY):	\$0	Sum of projects below for PY.
3	Abandoned Plant (EOY):	\$0	Sum of projects below for PY.
4	Abandoned Plant (BOY/EOY Average):	\$0	Average of Lines 2 and 3.
5	HV Abandoned Plant (BOY):	\$0	Sum of projects below for PY.

6 First Project: **Fill in Name** 2nd Project: **Fill in Name**

Year	EOY Abandoned Plant	EOY HV Abandoned Plant (Note 1)	Abandoned Plant Amort. Expense	EOY Abandoned Plant	EOY HV Abandoned Plant (Note 1)	Abandoned Plant Amort. Expense
7 2015						
8 2016						
9 2017						
10 2018						
11 2019						
12 2020						
13 2021						
14 2022						
15 2023						
16 2024						
17 2025						
18 ...						

Notes:

1) "EOY HV Abandoned Plant" is amount of "EOY Abandoned Plant" that would have been High Voltage (>= 200 kV).

Instructions:

- 1) Upon Commission approval of recovery of abandoned plant costs for a project:
 - a) Fill in the name the project in order (First Project, Second Project, etc.).
 - b) Fill in the table with annual End of Year ("EOY") Abandoned Plant, EOY HV Abandoned Plant, and Abandoned Plant Amortization Expense amounts in Accordance with the Order. If table can not be filled out completely, fill out at least through the Prior Year at issue.
 - c) Sum project-specific amounts for each project and enter in lines 1, 2, and 3 for the Prior Year at issue. (BOY value is EOY value from previous year)
- 2) Add additional projects if necessary in same format.
- 3) Add additional years past 2025 if necessary.

Calculation of Components of Working Capital

Inputs are shaded yellow

1) Calculation of Materials and Supplies

Materials and Supplies is the amount of total Account 154 Materials and Supplies times the Transmission Wages and Salaries AF

Line	Month	Year	Data Source	Total Materials and Supplies Balances	Notes
1	December	2016	FF1 227.12b	\$237,798,844	Beginning of year ("BOY") amount
2	January	2017	SCE Records	\$236,701,406	
3	February	2017	SCE Records	\$235,215,054	
4	March	2017	SCE Records	\$234,227,486	
5	April	2017	SCE Records	\$229,290,189	
6	May	2017	SCE Records	\$227,387,009	
7	June	2017	SCE Records	\$229,834,302	
8	July	2017	SCE Records	\$231,240,887	
9	August	2017	SCE Records	\$229,531,353	
10	September	2017	SCE Records	\$226,308,483	
11	October	2017	SCE Records	\$229,185,237	
12	November	2017	SCE Records	\$230,757,406	
13	December	2017	FF1 227.12c	\$238,006,741	End of Year ("EOY") amount
14	13-Month Average Value Account 154:			\$231,960,338	(Sum Line 1 to Line 13) / 13
15	Transmission Wages and Salaries AF:			6.014%	27-Allocators, Line 9
16	Materials and Supplies EOY Value:			\$14,314,526	Line 13 * Line 15
17	13-Month Average Value:			\$13,950,875	Line 14 * Line 15

2) Calculation of Prepayments

Prepayments is an allocated portion of Total Prepayments based on the Transmission Wages and Salaries Allocation Factor.

Line	Month	Year	Data Source	Total Prepayments Balances	Notes
18	December	2016	Note 1, c	\$99,369,093	See Note 1, c
19	January	2017	SCE Records	\$120,656,391	
20	February	2017	SCE Records	\$110,804,401	
21	March	2017	SCE Records	\$169,364,348	
22	April	2017	SCE Records	\$230,958,817	
23	May	2017	SCE Records	\$190,396,526	
24	June	2017	SCE Records	\$135,529,209	
25	July	2017	SCE Records	\$144,680,436	
26	August	2017	SCE Records	\$136,252,209	
27	September	2017	SCE Records	\$306,743,337	
28	October	2017	SCE Records	\$290,763,947	
29	November	2017	SCE Records	\$295,532,251	
30	December	2017	Note 1, f	\$227,852,643	See Note 1, f
31	a) 13-Month Average Calculation 13-Month Average Value:			\$189,146,431.36	(Sum Line 18 to Line 30) / 13
32	Transmission Wages and Salaries AF:			6.0143%	27-Allocators, Line 9
33	Prepayments:			\$11,375,902	Line 31 * Line 32
34	b) EOY calculation EOY Value:			\$227,852,643	Line 30
35	Transmission Wages and Salaries AF:			6.0143%	27-Allocators, Line 9
36	Prepayments:			\$13,703,824	Line 34 * Line 35

Notes:

1) Remove any amounts related to years prior to 2012 on b and e below.

Beginning of Year Amount

		Prepayments Balances	Source
a	FERC Form 1 Acct. 165 Recorded Amount:	\$114,171,737	FF1 111.57d
b	Prior Period Adjustment:	\$14,802,644	Note 1
c	BOY Prepayments Amount: \$	99,369,093	a - b

End of Year Amount

		Prepayments Balances	Source
d	FERC Form 1 Acct. 165 Recorded Amount:	\$227,852,643	FF1 111.57c
e	Prior Period Adjustment:	\$0	Note 1
f	EOY Prepayments Amount: \$	227,852,643	d - e

Plant Balances For Incentive Projects Receiving either ROE Incentives ("Transmission Incentive Plant") or CWIP ("CWIP Plant")

Input data is shaded yellow

- A) Summary of Incentive Project plant balances receiving ROE incentives ("Transmission Incentive Plant") and/or CWIP ("CWIP Plant") and calculation of balances needed to determine the following:**
- 1) Rate Base in Prior Year
 - 2) Prior Year Incentive Rate Base - End of Year
 - 3) Prior Year Incentive Rate Base - 13-Month Average

Transmission Incentive Project plant balances and CWIP Plant may affect the following:

- a) CWIP Plant during the Prior Year is included in Rate Base (used in Prior Year TRR and True Up TRR).
- b) Forecast Period Incremental CWIP contributes to Incremental Forecast Period TRR
- c) CWIP Plant receiving an ROE adder contributes to Prior Year Incentive Rate Base - EOY, or Prior Year Incentive Rate Base - 13 Month Average as appropriate.
- d) "TIP Net Plant In Service" at EOY Prior Year is used to calculate the PY Incentive Rate Base (on EOY basis).
- e) "TIP Net Plant In Service" in PY is used to calculate the Prior Year Incentive Rate Base (on 13-month average basis).

1) Summary of CWIP Plant in Prior Year and Forecast Period

Line	Incentive Project	Col 1	Col 2	Col 3	Notes:
		Prior Year End-of-Year CWIP Plant Amount	Prior Year 13-Month Average CWIP Plant Amount	Forecast Period Incremental CWIP 13-Month Avg. Amount	
1	1) Tehachapi	\$150,976	\$5,894,762	-\$150,976	10-CWIP Lines 13, 14, and 80
2	2) Devers-Colorado River	\$0	\$0	\$0	10-CWIP Lines 13, 14, and 106
3	3) South of Kramer	\$4,884,728	\$4,594,011	\$628,048	10-CWIP Lines 13, 14, and 132
4	4) West of Devers	\$98,805,812	\$80,157,512	\$158,421,232	10-CWIP Lines 13, 14, and 158
5	5) Red Bluff	\$0	\$0	\$0	10-CWIP Lines 13, 14, and 184
6	6) Whirlwind Substation Exp.	\$0	\$9,253,542	\$0	10-CWIP Lines 27, 28, and 210
7	7) Colorado River Sub. Exp.	\$0	\$0	\$0	10-CWIP Lines 27, 28, and 236
8	8) Mesa	\$46,788,116	\$6,541,655	\$110,990,871	10-CWIP Lines 27, 28, and 262
9	9) Alberhill	\$36,155,803	\$2,781,216	\$3,359,286	10-CWIP Lines 27, 28, and 288
10	10) ELM Series Caps	\$34,993,045	\$2,691,773	\$28,209,776	10-CWIP Lines 27, 28, and 314
11	...	---	---	---	---
12	Totals:	\$221,778,480	\$111,914,471	\$301,458,237	

2) Summary of Prior Year Incentive Rate Base amounts (EOY Values)

Line	Incentive Project	Col 1	Col 2	Col 3	Notes:
		= C2 + C3 Prior Year Incentive Rate Base	EOY CWIP Portion	EOY TIP Net Plant In Service	
13	1) Rancho Vista	\$150,232,043	\$0	\$150,232,043	Line 37, C4
14	2) Tehachapi	\$2,728,701,253	\$150,976	\$2,728,550,276	Line 1, C1, and Line 37, C2
15	3) Devers-Colorado River	\$687,752,340	\$0	\$687,752,340	Line 2, C1, and Line 37, C3
16	...	---	---	---	---
17					
18	Total PY Incentive Net Plant:	\$3,566,685,636			End of Year

3) Summary of Prior Year Incentive Rate Base amounts (13-Month Average values)

Line	Incentive Project	Col 1	Col 2	Col 3	Notes:
		= C2 + C3 Prior Year Incentive Rate Base	13-Month Avg. CWIP Portion	13-Month Avg. TIP Net Plant In Service Portion	
19	1) Rancho Vista	\$152,604,254	\$0	\$152,604,254	Line 38, C4
20	2) Tehachapi	\$2,756,592,235	\$5,894,762	\$2,750,697,473	Line 1, C2, and Line 38, C2
21	3) Devers-Colorado R	\$697,660,501	\$0	\$697,660,501	Line 2, C2, and Line 38, C3
22	...	---	---	---	---
23					
24	Total PY Incentive Net Plant:	\$3,606,856,990			13 Month Average

4) Prior Year TIP Net Plant In Service

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	
	<u>Prior Year Month</u>	<u>Total TIP Net Plant In Service</u>	L 53 to L 65, C3 <u>Tehachapi</u>	L 79 to L 91, C3 <u>Devers to Colorado River</u>	L 66 to L 78, C3 <u>Rancho Vista</u>		<u>Notes</u>
25	December	2016	\$3,623,644,583	\$2,761,096,354	\$707,569,233	\$154,978,996	---
26	January	2017	\$3,615,880,495	\$2,755,369,096	\$705,927,339	\$154,584,059	---
27	February	2017	\$3,614,032,508	\$2,755,580,398	\$704,262,987	\$154,189,123	---
28	March	2017	\$3,610,703,590	\$2,754,293,881	\$702,621,120	\$153,788,590	---
29	April	2017	\$3,603,732,187	\$2,749,366,950	\$700,971,573	\$153,393,664	---
30	May	2017	\$3,617,080,147	\$2,764,751,667	\$699,329,740	\$152,998,739	---
31	June	2017	\$3,611,530,160	\$2,761,235,317	\$697,691,029	\$152,603,814	---
32	July	2017	\$3,604,314,877	\$2,756,061,325	\$696,044,662	\$152,208,889	---
33	August	2017	\$3,597,373,681	\$2,751,250,377	\$694,311,578	\$151,811,726	---
34	September	2017	\$3,590,313,710	\$2,746,221,604	\$692,675,301	\$151,416,805	---
35	October	2017	\$3,584,010,799	\$2,741,953,296	\$691,035,618	\$151,021,884	---
36	November	2017	\$3,573,357,571	\$2,733,336,611	\$689,393,997	\$150,626,964	---
37	December	2017	<u>\$3,566,534,659</u>	<u>\$2,728,550,276</u>	<u>\$687,752,340</u>	<u>\$150,232,043</u>	---
38	13 Month Averages:		\$3,600,962,228	\$2,750,697,473	\$697,660,501	\$152,604,254	

5) Total Transmission Activity for Incentive Projects

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Source</u>
	<u>Prior Year Month</u>	<u>Total Transmission Activity for Incentive Projects</u>	<u>Account 360-362 Activity</u>	<u>= C1 - C2 Account 350-359 Activity for Incentive Projects</u>	
39	December	2016	\$0	\$0	\$0
40	January	2017	\$637,077	\$0	\$637,077
41	February	2017	\$6,682,963	\$0	\$6,682,963
42	March	2017	\$5,178,669	\$0	\$5,178,669
43	April	2017	\$34,083,658	\$0	\$34,083,658
44	May	2017	\$21,945,099	\$0	\$21,945,099
45	June	2017	\$2,931,169	\$0	\$2,931,169
46	July	2017	\$1,250,328	\$0	\$1,250,328
47	August	2017	\$1,528,249	\$0	\$1,528,249
48	September	2017	\$1,390,223	\$0	\$1,390,223
49	October	2017	\$2,916,673	\$0	\$2,916,673
50	November	2017	-\$517,602	\$0	-\$517,602
51	December	2017	<u>\$1,650,013</u>	<u>\$0</u>	<u>\$1,650,013</u>
52	Total		\$79,676,521	\$0	\$79,676,521

6) Calculation of Prior Year Net Plant in Service amounts for each Incentive Project

a) Tehachapi

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
	<u>Prior Year Month</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>= C1 - C2 Net Plant In Service</u>	<u>= C1 - Previous Month C1 Transmission Activity</u>
53	December	2016	\$2,998,641,930	\$237,545,576	\$2,761,096,354
54	January	2017	\$2,999,220,787	\$243,851,690	\$2,755,369,096
55	February	2017	\$3,005,739,539	\$250,159,141	\$2,755,580,398
56	March	2017	\$3,010,773,105	\$256,479,225	\$2,754,293,881
57	April	2017	\$3,012,180,175	\$262,813,225	\$2,749,366,950
58	May	2017	\$3,033,901,664	\$269,149,997	\$2,764,751,667
59	June	2017	\$3,036,761,062	\$275,525,745	\$2,761,235,317
60	July	2017	\$3,037,969,275	\$281,907,950	\$2,756,061,325
61	August	2017	\$3,039,542,946	\$288,292,570	\$2,751,250,377
62	September	2017	\$3,040,901,421	\$294,679,817	\$2,746,221,604
63	October	2017	\$3,043,025,002	\$301,071,706	\$2,741,953,296
64	November	2017	\$3,040,804,627	\$307,468,016	\$2,733,336,611
65	December	2017	<u>\$3,042,408,308</u>	<u>\$313,858,031</u>	<u>\$2,728,550,276</u>

b) Rancho Vista

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
66	December	2016	\$191,508,708	\$36,529,712	\$154,978,996	\$0
67	January	2017	\$191,508,708	\$36,924,649	\$154,584,059	\$0
68	February	2017	\$191,508,708	\$37,319,585	\$154,189,123	\$0
69	March	2017	\$191,503,112	\$37,714,522	\$153,788,590	-\$5,596
70	April	2017	\$191,503,112	\$38,109,447	\$153,393,664	\$0
71	May	2017	\$191,503,112	\$38,504,373	\$152,998,739	\$0
72	June	2017	\$191,503,112	\$38,899,298	\$152,603,814	\$0
73	July	2017	\$191,503,112	\$39,294,223	\$152,208,889	\$0
74	August	2017	\$191,500,874	\$39,689,148	\$151,811,726	-\$2,238
75	September	2017	\$191,500,874	\$40,084,069	\$151,416,805	\$0
76	October	2017	\$191,500,874	\$40,478,989	\$151,021,884	\$0
77	November	2017	\$191,500,874	\$40,873,910	\$150,626,964	\$0
78	December	2017	\$191,500,874	\$41,268,831	\$150,232,043	\$0

c) Devers to Colorado River

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
79	December	2016	\$773,686,037	\$66,116,803	\$707,569,233	\$0
80	January	2017	\$773,686,037	\$67,758,698	\$705,927,339	\$0
81	February	2017	\$773,663,579	\$69,400,592	\$704,262,987	-\$22,458
82	March	2017	\$773,663,560	\$71,042,441	\$702,621,120	-\$19
83	April	2017	\$773,655,861	\$72,684,289	\$700,971,573	-\$7,699
84	May	2017	\$773,655,861	\$74,326,121	\$699,329,740	\$0
85	June	2017	\$773,658,982	\$75,967,954	\$697,691,029	\$3,121
86	July	2017	\$773,654,455	\$77,609,792	\$696,044,662	-\$4,528
87	August	2017	\$773,563,195	\$79,251,617	\$694,311,578	-\$91,259
88	September	2017	\$773,568,549	\$80,893,248	\$692,675,301	\$5,354
89	October	2017	\$773,570,518	\$82,534,900	\$691,035,618	\$1,969
90	November	2017	\$773,570,554	\$84,176,557	\$689,393,997	\$35
91	December	2017	\$773,570,554	\$85,818,214	\$687,752,340	\$0

d) South of Kramer

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
92	December	2016	\$0	\$0	\$0	\$0
93	January	2017	\$0	\$0	\$0	\$0
94	February	2017	\$0	\$0	\$0	\$0
95	March	2017	\$0	\$0	\$0	\$0
96	April	2017	\$0	\$0	\$0	\$0
97	May	2017	\$0	\$0	\$0	\$0
98	June	2017	\$0	\$0	\$0	\$0
99	July	2017	\$0	\$0	\$0	\$0
100	August	2017	\$0	\$0	\$0	\$0
101	September	2017	\$0	\$0	\$0	\$0
102	October	2017	\$0	\$0	\$0	\$0
103	November	2017	\$0	\$0	\$0	\$0
104	December	2017	\$0	\$0	\$0	\$0

e) West of Devers

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>
105	December	2016	\$0	\$0	\$0
106	January	2017	\$0	\$0	\$0
107	February	2017	\$0	\$0	\$0
108	March	2017	\$0	\$0	\$0
109	April	2017	\$0	\$0	\$0
110	May	2017	\$0	\$0	\$0
111	June	2017	\$0	\$0	\$0
112	July	2017	\$0	\$0	\$0
113	August	2017	\$0	\$0	\$0
114	September	2017	\$0	\$0	\$0
115	October	2017	\$0	\$0	\$0
116	November	2017	\$0	\$0	\$0
117	December	2017	\$0	\$0	\$0

f) Red Bluff

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>
118	December	2016	\$235,590,583	\$19,587,100	\$216,003,483
119	January	2017	\$235,590,583	\$20,083,716	\$215,506,867
120	February	2017	\$235,596,527	\$20,580,331	\$215,016,196
121	March	2017	\$235,599,878	\$21,076,959	\$214,522,919
122	April	2017	\$235,602,997	\$21,573,594	\$214,029,403
123	May	2017	\$235,602,997	\$22,070,236	\$213,532,761
124	June	2017	\$235,604,618	\$22,566,878	\$213,037,740
125	July	2017	\$235,604,618	\$23,063,524	\$212,541,094
126	August	2017	\$235,604,618	\$23,560,169	\$212,044,449
127	September	2017	\$235,604,618	\$24,056,814	\$211,547,803
128	October	2017	\$235,604,618	\$24,553,460	\$211,051,158
129	November	2017	\$235,653,735	\$25,050,105	\$210,603,630
130	December	2017	\$235,653,723	\$25,546,854	\$210,106,869

g) Whirlwind Substation Expansion

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u> = C1 - C2	<u>Col 4</u> = C1 - Previous Month C1
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>
131	December	2016	\$53,627,431	\$3,026,415	\$50,601,016
132	January	2017	\$53,627,431	\$3,136,881	\$50,490,550
133	February	2017	\$53,627,431	\$3,247,348	\$50,380,084
134	March	2017	\$53,627,431	\$3,357,814	\$50,269,617
135	April	2017	\$86,255,712	\$3,468,280	\$82,787,432
136	May	2017	\$86,423,087	\$3,645,924	\$82,777,163
137	June	2017	\$86,465,217	\$3,823,912	\$82,641,305
138	July	2017	\$86,496,127	\$4,001,987	\$82,494,140
139	August	2017	\$86,531,254	\$4,180,126	\$82,351,128
140	September	2017	\$86,558,720	\$4,358,336	\$82,200,383
141	October	2017	\$87,524,371	\$4,536,604	\$82,987,767
142	November	2017	\$87,519,888	\$4,716,859	\$82,803,029
143	December	2017	\$87,531,655	\$4,897,105	\$82,634,551

h) Colorado River Substation Expansion

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	
				= C1 - C2	= C1 - Previous	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
144	December	2016	\$71,091,079	\$5,992,602	\$65,098,477	\$0
145	January	2017	\$71,149,299	\$6,139,912	\$65,009,388	\$58,220
146	February	2017	\$71,330,024	\$6,287,341	\$65,042,683	\$180,724
147	March	2017	\$71,477,391	\$6,435,142	\$65,042,249	\$147,367
148	April	2017	\$71,530,278	\$6,583,246	\$64,947,031	\$52,887
149	May	2017	\$71,586,513	\$6,731,460	\$64,855,053	\$56,235
150	June	2017	\$71,611,412	\$6,879,789	\$64,731,623	\$24,900
151	July	2017	\$71,627,145	\$7,028,169	\$64,598,975	\$15,733
152	August	2017	\$71,640,094	\$7,176,582	\$64,463,511	\$12,949
153	September	2017	\$71,639,023	\$7,325,022	\$64,314,001	-\$1,071
154	October	2017	\$71,464,495	\$7,473,459	\$63,991,036	-\$174,528
155	November	2017	\$71,465,330	\$7,621,547	\$63,843,782	\$835
156	December	2017	\$71,499,907	\$7,769,637	\$63,730,269	\$34,577

i) Mesa

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	
				= C1 - C2	= C1 - Previous	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
157	December	2016	\$0	\$0	\$0	\$0
158	January	2017	\$0	\$0	\$0	\$0
159	February	2017	\$0	\$0	\$0	\$0
160	March	2017	\$0	\$0	\$0	\$0
161	April	2017	\$0	\$0	\$0	\$0
162	May	2017	\$0	\$0	\$0	\$0
163	June	2017	\$0	\$0	\$0	\$0
164	July	2017	\$0	\$0	\$0	\$0
165	August	2017	\$0	\$0	\$0	\$0
166	September	2017	\$0	\$0	\$0	\$0
167	October	2017	\$0	\$0	\$0	\$0
168	November	2017	\$1,657,268	\$0	\$1,657,268	\$1,657,268
169	December	2017	\$1,657,268	\$0	\$1,657,268	\$0

j) Alberhill

		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	
				= C1 - C2	= C1 - Previous	
<u>Prior Year Month</u>	<u>Year</u>	<u>Plant In-Service</u>	<u>Accumulated Depreciation</u>	<u>Net Plant In Service</u>	<u>Transmission Activity</u>	
170	December	2016	\$0	\$0	\$0	\$0
171	January	2017	\$0	\$0	\$0	\$0
172	February	2017	\$0	\$0	\$0	\$0
173	March	2017	\$0	\$0	\$0	\$0
174	April	2017	\$0	\$0	\$0	\$0
175	May	2017	\$0	\$0	\$0	\$0
176	June	2017	\$0	\$0	\$0	\$0
177	July	2017	\$0	\$0	\$0	\$0
178	August	2017	\$0	\$0	\$0	\$0
179	September	2017	\$0	\$0	\$0	\$0
180	October	2017	\$0	\$0	\$0	\$0
181	November	2017	\$0	\$0	\$0	\$0
182	December	2017	\$0	\$0	\$0	\$0

k) ELM Series Caps		Col 1	Col 2	Col 3 = C1 - C2	Col 4 = C1 - Previous Month C1
Prior Year Month	Year	Plant In-Service	Accumulated Depreciation	Net Plant In Service	Transmission Activity
183	December	2016	\$0	\$0	\$0
184	January	2017	\$0	\$0	\$0
185	February	2017	\$0	\$0	\$0
186	March	2017	\$0	\$0	\$0
187	April	2017	\$0	\$0	\$0
188	May	2017	\$0	\$0	\$0
189	June	2017	\$0	\$0	\$0
190	July	2017	\$0	\$0	\$0
191	August	2017	\$0	\$0	\$0
192	September	2017	\$0	\$0	\$0
193	October	2017	\$0	\$0	\$0
194	November	2017	\$0	\$0	\$0
195	December	2017	\$0	\$0	\$0

6) Summary of Incentive Projects and incentives granted

A) Rancho Vista Incentives Received:			Cite:
196	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
197	ROE adder:	0.75%	121 FERC ¶ 61,168 at P 129
198	100% Abandoned Plant:	No	-----
B) Tehachapi Incentives Received:			Cite:
199	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
200	ROE adder:	1.25%	121 FERC ¶ 61,168 at P 129
201	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
C) Devers to Colorado River Incentives Received:			Cite:
202	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
203	ROE adder:	1.00%	121 FERC ¶ 61,168 at 129; modified by ER10-160 Settlement, see P2 and P3
204			
205	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
D) Devers to Palo Verde 2 Incentives Received:			Cite:
206	CWIP:	No	121 FERC ¶ 61,168 at P 57; modified by ER10-160 Settlement, see P2 and P3
207			
208	ROE adder:	0.00%	121 FERC ¶ 61,168 at P 129; modified by ER10-160 Settlement, see P 3 and P 7
209			
210	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
E) South of Kramer Incentives Received:			Cite:
211	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
212	ROE adder:	0.00%	---
213	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
F) West of Devers Incentives Received:			Cite:
214	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
215	ROE adder:	0.00%	---
216	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
G) Red Bluff Incentives Received:			Cite:
217	CWIP:	Yes	133 FERC ¶ 61,107 at P 76
218	ROE adder:	0.00%	133 FERC ¶ 61,107 at P 102
219	100% Abandoned Plant:	Yes	133 FERC ¶ 61,107 at P 88
H) Whirlwind Substation Expansion Incentives Received:			Cite:
220	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
221	ROE adder:	0.00%	---
222	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
I) Colorado River Substation Expansion Incentives Received:			Cite:
223	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
224	ROE adder:	0.00%	---
225	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
J) Mesa			Cite:
226	CWIP:	Yes	161 FERC ¶ 61,107 at P35
227	ROE adder:	0.00%	---
228	100% Abandoned Plant:	No	---

	K) Alberhill		Cite:
229	CWIP:	Yes	161 FERC ¶ 61,107 at P35
230	ROE adder:	0.00%	---
231	100% Abandoned Plant:	Yes	161 FERC ¶ 61,107 at P 21
	L) ELM Series Caps		Cite:
232	CWIP:	Yes	161 FERC ¶ 61,107 at P35
233	ROE adder:	0.00%	---
234	100% Abandoned Plant:	Yes	161 FERC ¶ 61,107 at P 21
	M) Future Incentive Projects		Cite:
235	CWIP:		
236	ROE adder:		
237	100% Abandoned Plant:		

Instructions:

- 1) Upon Commission approval of any incentives for additional projects, add additional projects and provide cite to the Commission decision.

Determination of Incentive Adders Components of the TRR

Input data is shaded yellow

Two Incentive Adders are calculated:

- a) The Prior Year Incentive Adder is a component of the Prior Year TRR.
- b) The True Up Incentive Adder is a component of the True Up TRR.

1) Calculation of Incremental Return on Equity Factor

The Incremental Return on Equity Factor is the incremental Prior Year TRR expressed per 100 basis points of ROE incentive, for each million dollars of Incentive Net Plant. It is calculated according to the following formula:

$$IREF = CSCP * 0.01 * (1/(1 - CTR)) * \$1,000,000$$

<u>Line</u>	where:	<u>Value</u>	<u>Source</u>
1	CSCP = Common Stock Capital Percentage	50.1892%	1-BaseTRR, L 47
2	CTR = Composite Tax Rate	27.9836%	1-BaseTRR, L 59
3	IREF =	\$6,969	Above formula

2) Determination of multiplicative factors for use in calculating Incentive Adders:

Multiplicative factors are used to calculate the Incentive Adders on an Transmission Incentive Project specific basis. Multiplicative factor for each project is the ratio of its ROE adder to 1%.

<u>Line</u>		<u>ROE Adder</u>	<u>Multiplicative Factor</u>	<u>Source</u>
4	1) Rancho Vista	0.75%	0.75	14-IncentivePlant, L 197
5	2) Tehachapi	1.25%	1.25	14-IncentivePlant, L 200
6	3) Devers to Col. River	1.00%	1.00	14-IncentivePlant, L 203
7				
8	...			

3) Calculation of Prior Year Incentive Adder (EOY)

- 1) Determine Prior Year Incentive Adder for each Incentive Project by multiplying the IREF, the Multiplicative Factor, and the million \$ of Prior Year Incentive Rate Base.
- 2) Sum project-specific Incentive Adders to yield the total Prior Year Incentive Adder.

<u>Line</u>		<u>Prior Year Incentive Rate Base</u>	<u>Multiplicative Factor</u>	<u>Prior Year Incentive Adder</u>	<u>Source</u>
9	1) Rancho Vista	\$150,232,043	0.75	\$785,241	14-IncentivePlant, L 13, Col. 1
10	2) Tehachapi	\$2,728,701,253	1.25	\$23,770,874	14-IncentivePlant, L 14, Col. 1
11	3) Devers to Col. River	\$687,752,340	1.00	\$4,793,042	14-IncentivePlant, L 15, Col. 1
12					
13	...				
14			Prior Year Incentive Adder =	\$29,349,156	Sum of above PY Incentive Adders for each individual project

4) Calculation of True-Up Incentive Adder

- 1) Determine True Up Incentive Adder for each Incentive Project by multiplying the IREF, the Multiplicative Factor, and the million \$ of True Up Incentive Net Plant.
- 2) Sum project-specific Incentive Adders to yield the total True Up Incentive Adder.

<u>Line</u>		<u>True-Up Incentive Net Plant</u>	<u>Multiplicative Factor</u>	<u>True-Up Incentive Adder</u>	<u>Source</u>
15	1) Rancho Vista	\$152,604,254	0.75	\$797,640	14-IncentivePlant, L 19, Col. 1
16	2) Tehachapi	\$2,756,592,235	1.25	\$24,013,844	14-IncentivePlant, L 20, Col. 1
17	3) Devers to Col. River	\$697,660,501	1.00	\$4,862,093	14-IncentivePlant, L 21, Col. 1
18					
19	...				
20			True-Up Incentive Adder =	\$29,673,577	Sum of above PY Incentive Adders for each individual project

5) Calculation of Total ROE for Plant-In Service in the True Up TRR

a) Transmission Incentive Plant Net Plant In Service

<u>Line</u>	<u>Incentive Project</u>	<u>13-Month Avg. TIP Net Plant In Service</u>	<u>Source</u>
21	1) Rancho Vista	\$152,604,254	14-IncentivePlant, L 19, Col. 3
22	2) Tehachapi	\$2,750,697,473	14-IncentivePlant, L 20, Col. 3
23	3) Devers to Col. River	\$697,660,501	14-IncentivePlant, L 21, Col. 3
24			
	...		

b) Calculation of ROE Adders on TIP Net Plant In Service

<u>Line</u>	<u>Incentive Project</u>	<u>Col 1 True Up Incentive Adder</u>	<u>Col 2 After-Tax True Up Incentive Adder</u>	<u>Source</u>
25	1) Rancho Vista	\$797,640	\$574,432	See Note 1
26	2) Tehachapi	\$23,962,492	\$17,256,924	See Note 1
27	3) Devers to Col. River	\$4,862,093	\$3,501,504	See Note 1
28				See Note 1
29	...			
30		Total:	\$21,332,860	

c) Equity Portion of Plant In Service Rate Base

<u>Line</u>		<u>Amount</u>	<u>Source</u>
31	Total Rate Base:	\$5,462,817,351	4-TUTRR, Line 18
32	CWIP Portion of Rate Base:	<u>\$111,914,471</u>	4-TUTRR, Line 14
33	Plant In Service Rate Base:	\$5,350,902,880	Line 31 - Line 32
34	Equity percentage:	50.1892%	1-BaseTRR, Line 47
35	Equity Portion of Plant In Service Rate Base:	\$2,685,577,050	Line 33 * Line 34

d) Total ROE for Plant In Service in the True Up TRR

<u>Line</u>			
36	Plant In Service ROE Adder Percentage:	0.79%	Line 30 / Line 35
37	Base ROE (Including 50 basis point		
38	CAISO Participation Adder):	<u>10.80%</u>	1-BaseTRR, Line 50
39	Total ROE for Plant In Service in True Up TRR:	11.59%	Line 36 + Line 38

Instructions:

1) If additional projects receive ROE adders, add to end of lists, and include in calculation of each Incentive Adder.

Notes:

1) Column 1: The True Up Incentive Adder for each Incentive Project equals the IREF on Line 3, times the applicable Multiplicative Factor on Lines 15 to 18, times the million \$ of TIP Net Plant In Service on Lines 21 to 24.

Column 2: The After Tax True Up Incentive Adder is derived by multiplying the amounts in Column 1 by (1 - CTR) (Where the CTR is on Line 2).

3) Non-Incentive Plant Forecast (See Note 1)

Line	Forecast Period Month	Year	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
			Unloaded Total Plant Adds	Prior Period CWP Closed	=(C1-C2)*L74	=(C1-C2+C3)*L75	=(C1-C2+C3-C4) AFUDC	=C5*L76	= Prior Month C2 +C2+C5+C6	= Prior Month C7 * L91/12	= Prior Month C9 - C4 + C8	=C7-C9	Unloaded Low Voltage Additions	Loaded Low Voltage Additions
50	January	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$14,340,607	\$0	-\$1,207,777	\$15,548,384	\$548,711	\$557,820
51	February	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$28,681,213	\$32,694	-\$2,382,861	\$31,064,074	\$1,097,422	\$1,115,640
52	March	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$43,021,820	\$65,388	-\$3,525,250	\$46,547,069	\$1,646,134	\$1,673,459
53	April	2018	\$17,785,682	\$2,638,000	\$1,136,076	\$1,302,701	\$14,981,058	\$449,432	\$61,090,309	\$98,082	-\$4,729,868	\$65,820,177	\$2,194,845	\$2,231,279
54	May	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$75,430,916	\$139,276	-\$5,798,370	\$81,229,285	\$2,743,556	\$2,789,099
55	June	2018	\$91,764,081	\$71,876,240	\$1,491,588	\$1,710,354	\$19,669,074	\$590,072	\$167,566,302	\$171,970	-\$7,336,754	\$174,903,056	\$4,770,685	\$4,849,878
56	July	2018	\$14,164,834	\$70,912	\$1,057,044	\$1,212,077	\$13,938,890	\$418,167	\$181,994,270	\$382,023	-\$8,166,809	\$190,161,079	\$5,319,396	\$5,407,698
57	August	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$196,334,877	\$414,916	-\$8,959,670	\$205,294,546	\$5,868,107	\$5,965,518
58	September	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$210,675,483	\$447,610	-\$9,719,837	\$220,395,320	\$6,416,818	\$6,523,337
59	October	2018	\$14,650,134	\$71,265	\$1,093,415	\$1,253,783	\$14,418,501	\$432,555	\$225,597,805	\$480,305	-\$10,493,315	\$236,091,120	\$7,537,257	\$7,662,375
60	November	2018	\$14,078,406	\$34,484	\$1,053,294	\$1,207,777	\$13,889,440	\$416,683	\$239,938,411	\$514,325	-\$11,186,767	\$251,125,179	\$8,085,968	\$8,220,195
61	December	2018	\$118,945,662	\$45,412,154	\$5,515,013	\$6,323,882	\$72,724,640	\$2,181,739	\$360,256,944	\$547,019	-\$16,963,630	\$377,220,574	\$8,634,679	\$8,778,015
62	January	2019	\$14,159,637	\$0	\$1,061,973	\$1,217,729	\$14,003,881	\$420,116	\$374,680,942	\$821,325	-\$17,360,034	\$392,040,976	\$9,251,670	\$9,405,248
63	February	2019	\$13,159,637	\$0	\$986,973	\$1,131,729	\$13,014,881	\$390,446	\$388,086,270	\$854,209	-\$17,637,554	\$405,723,823	\$9,868,661	\$10,032,480
64	March	2019	\$13,159,637	\$0	\$986,973	\$1,131,729	\$13,014,881	\$390,446	\$401,491,597	\$884,771	-\$17,884,511	\$419,376,109	\$10,485,651	\$10,659,713
65	April	2019	\$13,341,469	\$39,760	\$997,628	\$1,143,947	\$13,155,390	\$394,662	\$415,081,410	\$915,333	-\$18,113,125	\$433,194,535	\$11,284,474	\$11,471,796
66	May	2019	\$19,327,296	\$460,898	\$1,414,980	\$1,622,510	\$18,658,868	\$559,766	\$434,760,942	\$946,315	-\$18,789,320	\$453,550,262	\$11,901,465	\$12,099,029
67	June	2019	\$19,393,533	\$272,295	\$1,434,093	\$1,644,426	\$18,910,904	\$567,327	\$454,511,468	\$991,181	-\$19,442,565	\$473,954,033	\$12,518,456	\$12,726,262
68	July	2019	\$47,512,322	\$12,901,858	\$2,595,785	\$2,976,500	\$34,229,749	\$1,026,892	\$502,669,967	\$1,036,209	-\$21,382,856	\$524,052,823	\$13,135,446	\$13,353,495
69	August	2019	\$13,275,052	\$3,330	\$995,379	\$1,141,368	\$13,125,733	\$393,772	\$516,192,802	\$1,146,003	-\$21,378,221	\$537,571,023	\$13,867,851	\$14,098,058
70	September	2019	\$13,159,637	\$0	\$986,973	\$1,131,729	\$13,014,881	\$390,446	\$529,598,130	\$1,176,832	-\$21,333,117	\$550,931,247	\$14,484,842	\$14,725,290
71	October	2019	\$25,094,287	\$4,712,650	\$1,528,623	\$1,752,821	\$20,157,439	\$604,723	\$555,072,942	\$1,207,394	-\$21,878,544	\$576,951,486	\$15,101,833	\$15,352,523
72	November	2019	\$15,197,415	\$1,324,267	\$1,040,486	\$1,193,091	\$13,720,543	\$411,616	\$570,529,368	\$1,285,473	-\$21,806,162	\$592,335,530	\$15,718,823	\$15,979,756
73	December	2019	\$41,938,774	\$1,361,933	\$3,043,263	\$3,489,608	\$40,130,496	\$1,203,915	\$613,225,712	\$1,300,711	-\$23,995,060	\$637,220,772	\$16,335,814	\$16,606,988

4) ISO Corporate Overhead Loader

Line	Description	Rate
74	ISO Corp OH Rate	7.50%

5) ISO Cost of Removal Percent

Line	Description	Rate
75	Cost of Removal Rate	8.00%

6) AFUDC Loader Rate

Line	Description	Rate
76	ISO AFUDC Rate	3.00%

7) Calculation of ISO Depreciation Rate

December Prior Year plant balances and accrual rates are as shown on Schedule 17 Depreciation

Col 1	Col 2	Col 3	Col 4	Col 5
Acct	December Prior Year Plant Balance	Accrual Rate	Annual Accrual	Accrual Rate Reference
77	350.1	\$87,876,203	0.00%	\$0 18 Dep Rates L1
78	350.2	\$164,901,118	1.67%	\$2,753,849 18 Dep Rates L2
79	352	\$569,698,023	2.41%	\$13,729,722 18 Dep Rates L3
80	353	\$3,409,447,774	2.84%	\$96,828,317 18 Dep Rates L4
81	354	\$2,283,380,922	2.73%	\$62,336,299 18 Dep Rates L5
82	355	\$364,424,080	2.84%	\$10,349,644 18 Dep Rates L6
83	356	\$1,245,933,686	3.24%	\$40,368,251 18 Dep Rates L7
84	357	\$190,222,489	1.73%	\$3,290,849 18 Dep Rates L8
85	358	\$84,920,374	2.41%	\$2,046,581 18 Dep Rates L9
86	359	\$172,640,885	1.65%	\$2,848,575 18 Dep Rates L10
87				
88		Sum of Depreciation Expense	\$234,552,087	Sum of C4 Lines 77 to 86
89		Sum of Dec Prior Year Plant	\$8,573,445,553	Sum of C2 Lines 77 to 86
90				
91		Composite Depreciation Rate	2.74%	Line 88 / Line 89

Notes:

- Forecast Period is the calendar year two years after the Prior Year (i.e., PY+2).
- Sum of Incentive Plant Calculations and Non-Incentive Calculations, lines 26-49 and lines 50-73

Depreciation Expense

Input cells are shaded yellow

1) Calculation of Depreciation Expense for Transmission Plant - ISO

Prior Year: 2017

Balances for Transmission Plant - ISO during the Prior Year, including December of previous year: Source: 6-PlantInService, Lines 1-13.

Table with 12 columns (Col 1 to Col 12) and 14 rows. Columns represent FERC Accounts 350.1 through 359. Rows represent months from Dec 2016 to Dec 2017. Includes a 'Total' column for the sum of all accounts. Depreciation rates are noted as 0.00% for Col 1 and 1.66% to 2.57% for other accounts.

Table showing depreciation rates (Percent per year) for months 17a through 17m. It includes 12 columns for FERC accounts 350.1-359 and a 'Total' column. Rates are consistent across months, with Col 1 at 0.00% and other accounts between 1.66% and 2.57%.

Monthly Depreciation Expense for Transmission Plant - ISO by FERC Account: See Note 1 and Instruction 1

Table with 12 columns (Col 1 to Col 12) and 23 rows. Columns represent FERC Accounts 350.1 through 359. Rows represent months from Jan 2017 to Dec 2017, plus a 'Totals' row. Includes a 'Month Total' column for the sum of all accounts. Total Annual Depreciation Expense for Transmission Plant - ISO is \$212,804,795.

39 2) Calculation of Depreciation Expense for Distribution Plant - ISO

40						
41		<u>360</u>	<u>361</u>	<u>362</u>	<u>Source</u>	
42	Distribution Plant - ISO BOY	\$0	\$0	\$0	6-PlantInService Line 15.	
43	Distribution Plant - ISO EOY	\$0	\$0	\$0	6-PlantInService Line 16.	
44	Average BOY/EOY :	\$0	\$0	\$0		
45						
46	Depreciation Rates (Percent per year) See "18-DepRates".					
47		<u>360</u>	<u>361</u>	<u>362</u>		
48		1.67%	2.39%	2.01%		
49						
50	Depreciation Expense for Distribution Plant - ISO				See Note 2 and Instruction 2	
51						
52		<u>360</u>	<u>361</u>	<u>362</u>	<u>Total</u>	
53		\$0	\$0	\$0	\$0	Total is sum of Depreciation Expense for accounts
54						360, 361, and 362
55						

56 3) Calculation of Depreciation Expense for General Plant and Intangible Plant

57						
58	Total General Plant Depreciation Expense			236,723,303	FF1 336.10f	
59	Total Intangible Plant Depreciation Expense			238,988,799	FF1 336.1f	
60	Sum of Total General and Total Intangible Depreciation Expense			\$475,712,102	Line 58 + Line 59	
61	Transmission Wages and Salaries Allocation Factor			6.0143%	27-Allocators, Line 9	
62	General and Intangible Depreciation Expense			\$28,610,926	Line 60 * Line 61	
63						

64 4) Depreciation Expense

65					
66	Depreciation Expense is the sum of:	<u>Amount</u>	<u>Source</u>		
67	1) Depreciation Expense for Transmission Plant - ISO	\$212,804,795.14	Line 37, Col 12		
68	2) Depreciation Expense for Distribution Plant - ISO	\$0	Line 53		
69	3) General and Intangible Depreciation Expense	<u>\$28,610,926</u>	Line 62		
70	Depreciation Expense:	\$241,415,720.67	Line 67 + Line 68 + Line 69		

Notes:

- 1) Depreciation Expense for each account for each month is equal to the previous month balance of Transmission Plant - ISO for that same account, times the Monthly Depreciation Rate for that account. Monthly rate = annual rates on Line 17a etc. divided by 12.
- 2) Depreciation Expense for each account is equal to the Average BOY/EOY value on Line 44 times the Depreciation Rate on Line 48.

Instructions:

- 1) Depreciation rates on Lines 17a-17m input from Schedule 18. However, in the event of a change in depreciation rates approved by the Commission, use Commission-approved depreciation rates that were in effect during the Prior Year.
- 2) In the event that depreciation rates stated on Schedule 18 to be applied to Distribution Plant - ISO are revised mid-year, calculate Depreciation Expense for for Distribution Plant - ISO on Line 53 utilizing the weighted-average (by time) of the annual depreciation rates in effect in the Prior Year.

Depreciation Rates

1) Transmission Plant - ISO			Plant	Removal	
FERC			Less	Cost	Total
<u>Line</u>	<u>Account</u>	<u>Description</u>	<u>Salvage</u>	<u>Cost</u>	<u>Total</u>
1	350.1	Fee Land	0.00%	0.00%	0.00%
2	350.2	Easements	1.67%	0.00%	1.67%
3	352	Structures and Improvements	1.79%	0.62%	2.41%
4	353	Station Equipment	2.39%	0.45%	2.84%
5	354	Towers and Fixtures	1.20%	1.53%	2.73%
6	355	Poles and Fixtures	1.06%	1.78%	2.84%
7	356	Overhead Conductors and Devices	0.78%	2.46%	3.24%
8	357	Underground Conduit	1.73%	0.00%	1.73%
9	358	Underground Conductors and Devices	1.62%	0.79%	2.41%
10	359	Roads and Trails	1.65%	0.00%	1.65%
11					
2) Distribution Plant - ISO			Plant	Removal	
FERC			Less	Cost	Total
<u>Line</u>	<u>Account</u>	<u>Description</u>	<u>Salvage</u>	<u>Cost</u>	<u>Total</u>
12	360	Land and Land Rights	1.67%	0.00%	1.67%
13	361	Structures and Improvements	1.75%	0.64%	2.39%
14	362	Station Equipment	1.32%	0.69%	2.01%
3) General Plant			Plant	Removal	
FERC			Less	Cost	Total
<u>Line</u>	<u>Account</u>	<u>Description</u>	<u>Salvage</u>	<u>Cost</u>	<u>Total</u>
15	389	Land and Land Rights	1.67%	0.00%	1.67%
16	390	Structures and Improvements	1.81%	0.27%	2.08%
17	391.1	Office Furniture	5.00%	0.00%	5.00%
18	391.5	Office Equipment	20.00%	0.00%	20.00%
19	391.6	Duplicating Equipment	20.00%	0.00%	20.00%
20	391.2	Personal Computers	20.00%	0.00%	20.00%
21	391.3	Mainframe Computers	20.00%	0.00%	20.00%
22	391.7	PC Software	20.00%	0.00%	20.00%
23	391.4	DDSMS - CPU & Processing	14.29%	0.00%	14.29%
24	391.4	DDSMS - Controllers, Receivers, Comm.	10.00%	0.00%	10.00%
25	391.4	DDSMS - Telemetering & System	6.67%	0.00%	6.67%
26	391.4	DDSMS - Miscellaneous	5.00%	0.00%	5.00%
27	391.4	DDSMS - Map Board	4.00%	0.00%	4.00%
28	393	Stores Equipment	5.00%	0.00%	5.00%
29	395	Laboratory Equipment	6.67%	0.00%	6.67%
30	398	Misc Power Plant Equipment	5.00%	0.00%	5.00%
31	397	Data Network Systems	20.00%	0.00%	20.00%
32	397	Telecom System Equipment	14.29%	0.00%	14.29%
33	397	Netcomm Radio Assembly	10.00%	0.00%	10.00%
34	397	Microwave Equip. & Antenna Assembly	6.67%	0.00%	6.67%
35	397	Telecom Power Systems	5.00%	0.00%	5.00%
36	397	Fiber Optic Communication Cables	4.00%	0.00%	4.00%
37	397	Telecom Infrastructure	2.50%	0.00%	2.50%
38	392	Transportation Equip.	14.29%	0.00%	14.29%
39	394.4	Garage & Shop -- Equip.	10.00%	0.00%	10.00%
40	394.5	Tools & Work Equip. -- Shop	10.00%	0.00%	10.00%
41	396	Power Oper Equip	6.67%	0.00%	6.67%
4) Intangible Plant			Plant	Removal	
FERC			Less	Cost	Total
<u>Line</u>	<u>Account</u>	<u>Description</u>	<u>Salvage</u>	<u>Cost</u>	<u>Total</u>
42	302	Hydro Relicensing	2.47%	0.00%	2.47%
43	303	Radio Frequency	2.50%	0.00%	2.50%
44	301	Other Intangibles	5.00%	0.00%	5.00%
45	303	Cap Soft 5yr	20.31%	0.00%	20.31%
46	303	Cap Soft 7yr	14.62%	0.00%	14.62%
47	303	Cap Soft 10yr	12.93%	0.00%	12.93%
48	303	Cap Soft 15yr	8.48%	0.00%	8.48%

Operations and Maintenance Expenses

Cells shaded yellow are input cells

1) Determination of Adjusted Operations and Maintenance Expenses for each account (Note 1)

Line	Account/Work Activity Rev	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
			= C3 + C4			Note 2	= C7 + C8			= C10 + C11	= C3 + C7	= C4 + C8
		Total Recorded O&M Expenses			Reason	Adjustments			Adjusted Recorded O&M Expenses			
		Total	Labor	Non-Labor		Total	Labor	Non-Labor	Total	Labor	Non-Labor	
Transmission Accounts												
1	560 - Operations Supervision and Engineering - Allocated	\$7,342,064	\$3,520,700	\$3,821,363	G	-\$208,296	\$0	(\$208,296)	7,133,768	3,520,700	3,613,067	
2	560 - Sylmar/Palo Verde	\$147,369	\$0	\$147,369		\$0	\$0	\$0	147,369	-	147,369	
3	561 Load Dispatch - Allocated	\$10,517,816	\$8,215,416	\$2,302,400		\$0	\$0	\$0	10,517,816	8,215,416	2,302,400	
4	561.400 Scheduling, System Control and Dispatch Services	\$39,115,071	\$0	\$39,115,071	A	-\$39,115,071	\$0	(\$39,115,071)	-	-	-	
5	561.500 Reliability Planning and Standards Development	\$5,180,971	\$3,963,546	\$1,217,425		\$0	\$0	\$0	5,180,971	3,963,546	1,217,425	
6	562 - Station Expenses - Allocated	\$21,150,924	\$17,264,529	\$3,886,395		\$0	\$0	\$0	21,150,924	17,264,529	3,886,395	
7	562 - MOGS Station Expense	\$74	\$0	\$74	B	-\$74	\$0	(\$74)	-	-	-	
8	562 - Sylmar/Palo Verde	\$1,032,205	\$0	\$1,032,205		\$0	\$0	\$0	1,032,205	-	1,032,205	
9	563 - Overhead Line Expenses - Allocated	\$4,733,731	\$3,855,139	\$878,593		\$0	\$0	\$0	4,733,731	3,855,139	878,593	
10	564 - Underground Line Expenses - Allocated	\$1,390,335	\$1,156,422	\$233,913		\$0	\$0	\$0	1,390,335	1,156,422	233,913	
11	565 - Transmission of Electricity by Others	-\$267,657	\$0	(\$267,657)		\$0	\$0	\$0	(267,657)	-	(267,657)	
12	565 - Wheeling Costs	\$9,539,403	\$0	\$9,539,403	C	-\$9,539,403	\$0	(\$9,539,403)	-	-	-	
13	565 - WAPA Transmission for Remote Service	\$243,420	\$0	\$243,420		\$0	\$0	\$0	243,420	-	243,420	
14	566 - Miscellaneous Transmission Expenses - Allocated	\$44,312,184	\$21,104,376	\$23,207,808	F	-\$10,311	(\$6,802)	(\$3,509)	44,301,873	21,097,574	23,204,300	
15	566 - ISO/RSBA/TSP Balancing Accounts	-\$34,008,593	\$59,372	(\$34,067,965)	D	\$34,008,593	(\$59,372)	\$34,067,965	-	-	-	
16	566 - Sylmar/Palo Verde/Other General Functions	\$944,338	\$0	\$944,338		\$0	\$0	\$0	944,338	-	944,338	
17	567 - Line Rents - Allocated	\$15,401,559	\$5,529	\$15,396,031		\$0	\$0	\$0	15,401,559	5,529	15,396,031	
18	567 - Eldorado	\$107,252	\$0	\$107,252		\$0	\$0	\$0	107,252	-	107,252	
19	567 - Sylmar/Palo Verde	\$189,601	\$0	\$189,601		\$0	\$0	\$0	189,601	-	189,601	
20	568 - Maintenance Supervision and Engineering - Allocated	\$2,384,824	\$2,049,482	\$335,342		\$0	\$0	\$0	2,384,824	2,049,482	335,342	
21	568 - Sylmar/Palo Verde	\$192,594	\$0	\$192,594		\$0	\$0	\$0	192,594	-	192,594	
22	569 - Maintenance of Structures - Allocated	\$36,080,406	\$42,017	\$36,038,389	E	-\$32,917,251	\$0	(\$32,917,251)	3,163,155	42,017	3,121,138	
23	569 - Sylmar/Palo Verde	\$242,950	\$0	\$242,950		\$0	\$0	\$0	242,950	-	242,950	
24	570 - Maintenance of Station Equipment - Allocated	\$10,828,014	\$5,048,010	\$5,780,004		\$0	\$0	\$0	10,828,014	5,048,010	5,780,004	
25	570 - Sylmar/Palo Verde	\$1,655,073	\$744	\$1,654,329		\$0	\$0	\$0	1,655,073	744	1,654,329	
26	571 - Maintenance of Overhead Lines - Allocated	\$38,881,912	\$9,142,174	\$29,739,737	F	-\$4,213,792	(\$7,564)	(\$4,206,228)	34,668,120	9,134,611	25,533,509	
27	571 - Sylmar/Palo Verde	\$393,017	\$0	\$393,017		\$0	\$0	\$0	393,017	-	393,017	
28	572 - Maintenance of Underground Lines - Allocated	\$388,987	\$203,478	\$185,509		\$0	\$0	\$0	388,987	203,478	185,509	
29	572 - Sylmar/Palo Verde	\$2,322	\$0	\$2,322		\$0	\$0	\$0	2,322	-	2,322	
30	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	\$2,970,934	\$1,053,187	\$1,917,747		\$0	\$0	\$0	2,970,934	1,053,187	1,917,747	
31	...	---	---	---	---	\$0	---	---	---	---	---	
32	Transmission NOIC (Note 3)	-	-	-		\$11,010,552	\$11,010,552	\$0	\$11,010,552	\$11,010,552	\$0	
33	Total Transmission O&M	\$221,093,098	\$76,684,121	\$144,408,977		-\$40,985,053	\$10,936,814	-\$51,921,867	\$180,108,045	\$87,620,934	\$92,487,110	
34												

Schedule 19
Operations and Maintenance

TO2019 Annual Update
Attachment1

Col 1 Account/Work Activity Rev	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
	= C3 + C4			Note 2	= C7 + C8			= C10 + C11	= C3 + C7	= C4 + C8
	Total Recorded O&M Expenses			Reason	Adjustments			Adjusted Recorded O&M Expenses		
	Total	Labor	Non-Labor		Total	Labor	Non-Labor	Total	Labor	Non-Labor
Distribution Accounts										
35 582 - Station Expenses	35,012,491	\$26,445,838	\$8,566,653		-	\$0	\$0	35,012,491	26,445,838	8,566,653
36 590 - Maintenance Supervision and Engineering	2,386,348	\$2,048,869	\$337,479		-	\$0	\$0	2,386,348	2,048,869	337,479
37 591 - Maintenance of Structures	72,359	\$7,390	\$64,969		-	\$0	\$0	72,359	7,390	64,969
38 592 - Maintenance of Station Equipment	10,261,821	\$5,375,622	\$4,886,200		-	\$0	\$0	10,261,821	5,375,622	4,886,200
39 Accounts with no ISO Distribution Costs	475,672,744	\$203,269,818	\$272,402,926	F	(7,072,865)	(\$458,229)	(\$6,614,636)	468,599,879	202,811,590	265,788,290
40 Distribution NOIC (Note 3)	-	-	-		34,050,403	34,050,403	-	34,050,403	34,050,403	-
41 Total Distribution O&M	523,405,764	237,147,537	286,258,227		26,977,538	33,592,174	(6,614,636)	550,383,302	270,739,711	279,643,591
42										
43 Total Transmission and Distribution O&M	744,498,862	313,831,657	430,667,204		(14,007,515)	44,528,988	(58,536,503)	730,491,347	358,360,646	372,130,701
44										
45 Total Transmission O&M Expenses in FERC Form 1:	\$221,093,099	FF1 321.112b	Must equal Line 33, Column 2.							
46 Total Distribution O&M Expenses in FERC Form 1:	\$523,405,763	FF1 322.156b	Must equal Line 41, Column 2.							
47 Total TDBU NOIC	\$45,060,955	20-AandG, Note 2, f								

2) Determination of ISO Operations and Maintenance Expenses for each account (Note 5).

		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9
			From C9 above	From C10 above	From C11 above	Note 6	= C7 + C8	= C3 * C5	= C4 * C5	
Line	Account/Work Activity Rev	Adjusted Recorded O&M Expenses			Percent	ISO O&M Expenses			Percent ISO	
		Total	Labor	Non-Labor	ISO	Total	Labor	Non-Labor	Reference	
	Transmission Accounts									
48	560 - Operations Supervision and Engineering - Allocated	7,133,768	3,520,700	3,613,067	36.6%	2,614,413	1,290,281	1,324,132	27-Allocators Line 42	
49	560 - Sylmar/Palo Verde	147,369	-	147,369	100.0%	147,369	-	147,369	100%	
50	561 Load Dispatch - Allocated	10,517,816	8,215,416	2,302,400	36.6%	3,854,613	3,010,820	843,793	27-Allocators Line 42	
51	561.400 Scheduling, System Control and Dispatch Services	-	-	-	0.0%	-	-	-	0%	
52	561.500 Reliability Planning and Standards Development	5,180,971	3,963,546	1,217,425	100.0%	5,180,971	3,963,546	1,217,425	100%	
53	562 - Station Expenses - Allocated	21,150,924	17,264,529	3,886,395	36.6%	7,751,479	6,327,177	1,424,302	27-Allocators Line 42	
54	562 - MOGS Station Expense	-	-	-	0.0%	-	-	-	0%	
55	562 - Sylmar/Palo Verde	1,032,205	-	1,032,205	100.0%	1,032,205	-	1,032,205	100%	
56	563 - Overhead Line Expenses - Allocated	4,733,731	3,855,139	878,593	46.8%	2,213,224	1,802,444	410,780	27-Allocators Line 30	
57	564 - Underground Line Expenses - Allocated	1,390,335	1,156,422	233,913	1.4%	20,123	16,737	3,386	27-Allocators Line 36	
58	565 - Transmission of Electricity by Others	(267,657)	-	(267,657)	100.0%	(267,657)	-	(267,657)	100%	
59	565 - Wheeling Costs	-	-	-	0.0%	-	-	-	0%	
60	565 - WAPA Transmission for Remote Service	243,420	-	243,420	0.0%	-	-	-	0%	
61	566 - Miscellaneous Transmission Expenses - Allocated	44,301,873	21,097,574	23,204,300	36.6%	16,235,936	7,731,927	8,504,009	27-Allocators Line 42	
62	566 - ISO/RSBA/TSP Balancing Accounts	-	-	-	0.0%	-	-	-	0%	
63	566 - Sylmar/Palo Verde/Other General Functions	944,338	-	944,338	100.0%	944,338	-	944,338	100%	
64	567 - Line Rents - Allocated	15,401,559	5,529	15,396,031	46.8%	7,200,893	2,585	7,198,309	27-Allocators Line 30	
65	567 - Eldorado	107,252	-	107,252	100.0%	107,252	-	107,252	100%	
66	567 - Sylmar/Palo Verde	189,601	-	189,601	100.0%	189,601	-	189,601	100%	
67	568 - Maintenance Supervision and Engineering - Allocated	2,384,824	2,049,482	335,342	36.6%	874,000	751,103	122,898	27-Allocators Line 42	
68	568 - Sylmar/Palo Verde	192,594	-	192,594	100.0%	192,594	-	192,594	100%	
69	569 - Maintenance of Structures - Allocated	3,163,155	42,017	3,121,138	36.6%	1,159,246	15,398	1,143,848	27-Allocators Line 42	
70	569 - Sylmar/Palo Verde	242,950	-	242,950	100.0%	242,950	-	242,950	100%	
71	570 - Maintenance of Station Equipment - Allocated	10,828,014	5,048,010	5,780,004	36.6%	3,968,296	1,850,016	2,118,280	27-Allocators Line 42	
72	570 - Sylmar/Palo Verde	1,655,073	744	1,654,329	100.0%	1,655,073	744	1,654,329	100%	
73	571 - Maintenance of Overhead Lines - Allocated	34,668,120	9,134,611	25,533,509	46.8%	16,208,842	4,270,825	11,938,017	27-Allocators Line 30	
74	571 - Sylmar/Palo Verde	393,017	-	393,017	100.0%	393,017	-	393,017	100%	
75	572 - Maintenance of Underground Lines - Allocated	388,987	203,478	185,509	1.4%	5,630	2,945	2,685	27-Allocators Line 36	
76	572 - Sylmar/Palo Verde	2,322	-	2,322	100.0%	2,322	-	2,322	100%	
77	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	2,970,934	1,053,187	1,917,747	36.6%	1,088,800	385,976	702,824	27-Allocators Line 42	
78	---	---	---	---	---	---	---	---	---	
79	Transmission NOIC (Note 4)	11,010,552	11,010,552	-	-	4,516,089	4,516,089	-	-	
80	Total Transmission - ISO O&M	180,108,045	87,620,934	92,487,110		77,531,619	35,938,613	41,593,006		
81										

Col 1 Account/Work Activity Rev	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9
	From C9 above	From C10 above	From C11 above	Note 6	= C7 + C8	= C3 * C5	= C4 * C5	
	Adjusted Recorded O&M Expenses			Percent	ISO O&M Expenses			Percent ISO
	Total	Labor	Non-Labor	ISO	Total	Labor	Non-Labor	Reference
Distribution Accounts								
82 582 - Station Expenses	35,012,491	26,445,838	8,566,653	0.0%	-	-	-	27-Allocators Line 48
83 590 - Maintenance Supervision and Engineering	2,386,348	2,048,869	337,479	0.0%	-	-	-	27-Allocators Line 48
84 591 - Maintenance of Structures	72,359	7,390	64,969	0.0%	-	-	-	27-Allocators Line 48
85 592 - Maintenance of Station Equipment	10,261,821	5,375,622	4,886,200	0.0%	-	-	-	27-Allocators Line 48
86 Accounts with no ISO Distribution Costs	468,599,879	202,811,590	265,788,290	0.00%	-	-	-	0%
87 Distribution NOIC (Note 4)	34,050,403	34,050,403	-	0.00%	-	-	-	0%
88 Total Distribution - ISO O&M	550,383,302	270,739,711	279,643,591		-	-	-	
89								
90								
91 Total ISO O&M Expenses (in Column 6)	730,491,347	358,360,646	372,130,701		77,531,619	35,938,613	41,593,006	
92 Line 80 + Line 88								

Notes:

- 1) "Adjusted Operations and Maintenance Expenses for each account" are the total amounts of O&M costs booked to each Transmission or Distribution account, less adjustments as noted.
- 2) Reasons for excluded amounts:
 - A: Exclude entire amount, all attributable to CAISO costs recovered in Energy Resource Recovery Account.
 - B: Exclude amount related to MOGS Station Expense.
 - C: Exclude amount attributable to CAISO costs recovered in Energy Resource Recovery Account.
 - D: Exclude amount recovered through to Reliability Services Balancing Account, the Transmission Access Charge Balancing Account Adjustment, and the American Reinvestment Recovery Act for the Tehachapi Wind Energy Storage Project.
 - E: Exclude amount of costs transferred to account from A&G Account 920 pursuant to Order 668.
 - F: Excludes shareholder funded costs.
 - G: Exclude EEI & EPRI Dues Re-Mapped to FERC Account 930.2 Miscellaneous general expenses.

3) Total TDBU NOIC is allocated to Transmission and Distribution in proportion to labor in the respective functions. Transmission NOIC ("Non-Officer Incentive Compensation") equals Total TDBU NOIC times the Transmission NOIC Percentage calculated below. Distribution NOIC equals Total TDBU NOIC times the Distribution NOIC Percentage below.

Total TDBU NOIC is on Line: **47**

	Percentage	Calculation
Transmission NOIC Percentage:	24.4348%	Line 33, Col 3 / Line 43, Col 3
Distribution NOIC Percentage:	75.5652%	Line 41, Col 3 / Line 43, Col 3

- 4) NOIC attributable to ISO Transmission (Column 7) is calculated utilizing a percentage equal to the ratio of total ISO O&M Labor Expenses in column 7 (exclusive of NOIC) to the total labor expenses in column 3 (exclusive of NOIC). That allocator, which is identified below, is then applied to the value in Column 3 to arrive at the NOIC attributable to ISO Transmission in Column 7. Resulting Percentage is: 41.02%
- 5) "ISO Operations and Maintenance Expenses" is the amount of costs in each Transmission or Distribution account related to ISO Transmission Facilities.
- 6) See Column 9 for references to source of each Percent ISO.
- 7) SCE shall make no adjustments to recorded labor amounts related to non-labor labor and/or Indirect labor in Schedule 19.

Schedule 20
Administrative and General Expenses

Calculation of Administrative and General Expense

Inputs are shaded yellow

Line	Acct.	Description	Col 1	Col 2	Col 3	Col 4	Notes
			FERC Form 1 Amount	Data Source	Total Amount Excluded	A&G Expense	
1	920	A&G Salaries	\$354,859,044	FF1 323.181b	\$44,861,861	\$309,997,183	
2	921	Office Supplies and Expenses	\$249,803,334	FF1 323.182b	\$5,610,135	\$244,193,199	
3	922	A&G Expenses Transferred	-\$145,897,634	FF1 323.183b	-\$48,972,720	-\$96,924,914	Credit
4	923	Outside Services Employed	\$54,121,017	FF1 323.184b	\$7,684,282	\$46,436,735	
5	924	Property Insurance	\$14,497,978	FF1 323.185b	\$0	\$14,497,978	
6	925	Injuries and Damages	\$117,581,984	FF1 323.186b	-\$695,634	\$118,277,618	
7	926	Employee Pensions and Benefits	\$142,806,958	FF1 323.187b	-\$37,470,824	\$180,277,782	
8	927	Franchise Requirements	\$110,632,750	FF1 323.188b	\$110,632,750	\$0	
9	928	Regulatory Commission Expenses	\$16,012,736	FF1 323.189b	\$17,351,998	-\$1,339,262	
10	929	Duplicate Charges	\$0	FF1 323.190b	\$0	\$0	
11	930.1	General Advertising Expense	\$5,718,074	FF1 323.191b	\$0	\$5,718,074	
12	930.2	Miscellaneous General Expense	\$34,422,373	FF1 323.192b	\$24,004,996	\$10,417,377	
13	931	Rents	\$6,627,867	FF1 323.193b	\$11,411,119	-\$4,783,252	
14	935	Maintenance of General Plant	\$13,296,044	FF1 323.196b	\$697,671	\$12,598,373	
15			\$974,482,525		Total A&G Expenses:	\$839,366,892	

	Amount	Source
16	Remaining A&G after exclusions & NOIC Adjustment:	Line 15
17	Less Account 924:	Line 5
18	Amount to apply the Transmission W&S AF:	Line 16 - Line 17
19	Transmission Wages and Salaries Allocation Factor:	27-Allocators, Line 9
20	Transmission W&S AF Portion of A&G:	Line 18 * Line 19
21	Transmission Plant Allocation Factor:	27-Allocators, Line 22
22	Property Insurance portion of A&G:	Line 5 Col 4 * Line 21
23	Administrative and General Expenses:	Line 20 + Line 22

Note 1: Itemization of exclusions

Acct.	Total Amount Excluded (Sum of Col 1 to Col 4)	Col 1	Col 2	Col 3	Col 4	Notes
		Shareholder Exclusions or Other Adjustments	Franchise Requirements	NOIC	PBOPs	
24	\$44,861,861	-\$28,840,749		\$73,702,610		See Instructions 2b, 3, and Note 2
25	\$5,610,135	\$5,610,135		\$0		
26	-\$48,972,720	-\$7,655,813		-\$41,316,907		
27	\$7,684,282	\$7,684,282		\$0		
28	\$0	\$0		\$0		
29	-\$695,634	-\$695,634		\$0		
30	-\$37,470,824	-\$2,461,672		\$0	-\$35,009,152	See Note 3
31	\$110,632,750	\$0	\$110,632,750	\$0	\$0	See Note 4
32	\$17,351,998	\$17,351,998		\$0		
33	\$0	\$0		\$0		
34	\$0	\$0		\$0		
35	\$24,004,996	\$24,004,996		\$0		
36	\$11,411,119	\$11,411,119		\$0		
37	\$697,671	\$697,671		\$0		

Note 2: Non-Officer Incentive Compensation ("NOIC") Adjustment

Adjust NOIC by excluding accrued NOIC Amount and replacing with the actual non-capitalized A&G NOIC payout.

	<u>Amount</u>	<u>Source</u>
a	Accrued NOIC Amount: \$103,811,325	SCE Records
b	Actual A&G NOIC payout: \$30,108,715	Note 2, d
c	Adjustment: \$73,702,610	
Actual non-capitalized NOIC Payouts:		
	<u>Amount</u>	<u>Source</u>
d	A&G \$30,108,715	SCE Records and Workpapers
e	Other \$13,613,013	SCE Records and Workpapers
f	Trans. And Dist. Business Unit \$45,060,955	SCE Records and Workpapers
g	Total: \$88,782,682	Sum of d to f

Note 3: PBOPs Exclusion Calculation

	<u>Amount</u>	<u>Note:</u>
a	Current Authorized PBOPs Expense Amount: \$40,171,333	See instruction #4
b	Prior Year Authorized PBOPs Expense Amount: \$40,055,779	Authorized PBOPs Expense Amount during Prior Year
c	Prior Year FF1 PBOPs expense: \$5,046,627	SCE Records
d	PBOPs Expense Exclusion: -\$35,009,152	c - b

Note 4:

Amount in Line 31, column 2 equals amount in Line 8, column 1 because all Franchise Requirements Expenses are excluded Franchise Fees Expenses component of the Prior Year TRR are based on Franchise Fee Factors.

Schedule 20
Administrative and General Expenses

TO2019 Annual Update
Attachment1

Instructions:

- 1) Enter amounts of A&G expenses from FERC Form 1 in Lines 1 to 14.
- 2) Fill out "Itemization of Exclusions" table for all input cells. NOIC amount in Column 3, Line 24 is calculated in Note 2. The PBOPs exclusion in Column 4, Line 30 is calculated in Note 3.
 - a) Exclude amount of any Shareholder Adjustments, costs incurred on behalf of SCE shareholders, from relevant account in Column 1.
 - b) Include as an adjustment in Column 1 for Account 920 any amount excluded from Accounts 569.100, 569.200, and 569.300 in Schedule 19 (OandM) related to Order 668 costs transferred.
 - c) Exclude entire amount of account 927 "Franchise Requirements" in Column 2, as those costs are recovered through the Franchise Fees Expense item.
 - d) Exclude any amount of Account 930.1 "General Advertising Expense" not related to advertising for safety, siting, or informational purposes in column 1.
 - e) Exclude any amount of expense relating to secondary land use and audit expenses not directly benefitting utility customers.
 - f) Exclude from account 930.2:
 - 1) Nuclear Power Research Expenses.
 - 2) Write Off of Abandoned Project Expenses.
 - 3) Any advertising expenses within the Consultants/Professional Services category.
 - g) Exclude the following costs included in any account 920-935:
 - 1) Any amount of "Provision for Doubtful Accounts" costs.
 - 2) Any amount of "Accounting Suspense" costs.
 - 3) Any penalties or fines.
 - 4) Any amount of costs recovered 100% through California Public Utilities Commission ("CPUC") rates.
- 3) NOIC adjustment in Column 3, Line 24 is made by determining the difference between the total accrued NOIC amount included in the FERC Form 1 recorded cost amounts and the actual A&G NOIC payout (see note 2). NOIC adjustment in column 3, Line 26 is made by entering the amount of accrued NOIC that is capitalized.
- 4) Determine the PBOPs exclusion. The authorized amount of PBOPs expense (line a) may only be revised pursuant to Commission acceptance of an SCE FPA Section 205 filing to revise the authorized PBOPs expense, in accordance with the tariff protocols. Accordingly, any amount different than the authorized PBOPs expense during the Prior Year is excluded from account 926 (see note 3). Docket or Decision approving authorized PBOPs amount: ER16-2433
- 5) SCE shall make no adjustments to recorded labor amounts related to non-labor labor and/or Indirect labor in Schedule 20.

		A	B	C		D	E	F			G		H	I	J	K		L	M	N
						Traditional OOR			GRSM				Other Ratemaking							
Line	FERC ACCT	ACCT	ACCT DESCRIPTION	DOLLARS	Category	Total	ISO	Non-ISO	Total	A/P	Threshold [10]	Incremental	Total	Notes						
15a	456.1	4188112	Trans of Elec of Others - Pasadena		Traditional OOR	0	0	0	0			0	0	5						
15b	456.1	4188114	FTS PPU/Non-ISO	296,028	Traditional OOR	296,028	0	296,028	0			0	0	4						
15c	456.1	4188116	FTS Non-PPU/Non-ISO	930,163	Traditional OOR	930,163	0	930,163	0			0	0	4						
15d	456.1	4188812	ISO-Wheeling Revenue - Low Voltage	151,885	Other Ratemaking	0	0	0	0			0	151,885	6						
15e	456.1	4188814	ISO-Wheeling Revenue - High Voltage	74,458,175	Other Ratemaking	0	0	0	0			0	74,458,175	6						
15f	456.1	4188816	ISO-Congestion Revenue		Other Ratemaking	0	0	0	0			0	0	6						
15g	456.1	4198110	Transmission of Elec of Others	46,329,301	Traditional OOR	46,329,301	46,329,301	0	0			0	0	5						
15h	456.1	4198112	WDAT	5,560,313	Traditional OOR	5,560,313	0	5,560,313	0			0	0	4						
15i	456.1	4198114	Radial Line Rev-Base Cost - Reliant Coolwater	(574,575)	Traditional OOR	(574,575)	0	(574,575)	0			0	0	4						
15j	456.1	4198116	Radial Line Rev-Base Cost - Reliant Ormond Beach	1,080,948	Traditional OOR	1,080,948	0	1,080,948	0			0	0	4						
15k	456.1	4198118	Radial Line Rev-O&M - AES Huntington Beach	402,148	Traditional OOR	402,148	0	402,148	0			0	0	4						
15l	456.1	4198120	Radial Line Rev-O&M - Reliant Mandalay	209,706	Traditional OOR	209,706	0	209,706	0			0	0	4						
15m	456.1	4198122	Radial Line Rev-O&M - Reliant Coolwater	89,265	Traditional OOR	89,265	0	89,265	0			0	0	4						
15n	456.1	4198124	Radial Line Rev-O&M - Ormond Beach	651,331	Traditional OOR	651,331	0	651,331	0			0	0	4						
15o	456.1	4198126	High Desert Tie-Line Rental Rev	264,133	Traditional OOR	264,133	0	264,133	0			0	0	4						
15p	456.1	4198130	Inland Empire CRT Tie-Line EX	42,492	Traditional OOR	42,492	0	42,492	0			0	0	4						
15q	456.1	4198910	Reliability Service Revenue - Non-PTO's	285,798	Other Ratemaking	0	0	0	0			0	285,798	6						
15r	456.1	4198132	Radial Line Agreement-Base-Mojave Solr	90,533	Traditional OOR	90,533	0	90,533	0			0	0	4						
15s	456.1	4198134	Radial Line Agreement-O&M-Mojave Solr	229,854	Traditional OOR	229,854	0	229,854	0			0	0	4						
15t	456.1	4188716	ISO Non-Refundable Interconnection Deposit	3,708,123	Other Ratemaking	0	0	0	0			0	3,708,123	6						
16	456.1 Total			134,205,621		55,601,640	46,329,301	9,272,339	0		0	0	78,603,981							
17	FF-1 Total for Account 456.1 - Revenues from Trans. Of Electricity of Others, p300.22b (Must Equal Line 16)			134,205,621																
18a																				
19	457.1 Total			0		0	0	0	0		0	0	0							
20	FF-1 Total for Account 457.1 - Regional Control Service Revenues, p300.23b (Must Equal Line 19)			0																
21a																				
22	457.2 Total			0		0	0	0	0		0	0	0							
23	FF-1 Total for Account 457.2- Miscellaneous Revenues, p300.24b (Must Equal Line 22)			0																
Edison Carrier Solutions (ECS)																				
24a	417	4863130	ECS - Distribution Facilities	605,719	GRSM	0	0	0	605,719	P	138,132	467,587	0	2						
24b	417	4862110	ECS - Dark Fiber	6,207,732	GRSM	0	0	0	6,207,732	A	1,179,301	5,028,431	0	2						
24c	417	4862115	ECS - SCE Net Fiber	3,328,620	GRSM	0	0	0	3,328,620	A	648,086	2,680,534	0	2						
24d	417	4862120	ECS - Transmission Right of Way	283,556	GRSM	0	0	0	283,556	A	55,208	228,348	0	2						
24e	417	4862135	ECS - Wholesale FCC	21,488,152	GRSM	0	0	0	21,488,152	A	4,216,369	17,271,783	0	2						
24f	417	4864115	ECS - EU FCC Rev	(237,195)	GRSM	0	0	0	(237,195)	A	114,302	(351,497)	0	2						
24g	417	4862125	ECS - Cell Site Rent and Use (Active)	13,328,277	GRSM	0	0	0	13,328,277	A	2,561,825	10,766,452	0	2						
24h	417	4862130	ECS - Cell Site Reimbursable (Active)	4,452,839	GRSM	0	0	0	4,452,839	A	1,066,218	3,386,621	0	2						
24i	417	4863120	ECS - Communication Sites	342,231	GRSM	0	0	0	342,231	P	71,854	270,376	0	2						
24j	417	4863110	ECS - Cell Site Rent and Use (Passive)	3,528,304	GRSM	0	0	0	3,528,304	P	685,429	2,842,874	0	2						
24k	417	4863115	ECS - Cell Site Reimbursable (Passive)	873,100	GRSM	0	0	0	873,100	P	325,605	547,495	0	2						
24l	417	4863125	ECS - Micro Cell	1,970,237	GRSM	0	0	0	1,970,237	P	365,770	1,604,468	0	2						
24m	417	4864120	ECS - End User Universal Service Fund Fee	(42,477)	GRSM	0	0	0	(42,477)	A	21,210	(63,687)	0	2						
24n	417	4864116	ECS - Intrastate End User Revenue	1,330,785	GRSM	0	0	0	1,330,785	A	60,758	1,270,027	0	2						
24o	417	4864121	ECS - Intrastate End User Fees	107,810	GRSM	0	0	0	107,810	A	4,665	103,145	0	2						
24p	417	4864117	ECS - Interstate End User Tax Exempt	40,857	GRSM	0	0	0	40,857	A	0	40,857	0	2						
24q	417	4864122	ECS - EU USAC E-Rate	27,607	GRSM	0	0	0	27,607	A	0	27,607	0	2						
25	417 ECS Total			57,636,155		0	0	0	57,636,155		11,514,733	46,121,422	0							
26	417 Other			7,774,304																
27	FF-1 Total for Account 417 - Revenues From Nonutility Operations p117.33c (Must Equal Line 25 + 26)			65,410,459																

Line	FERC ACCT	ACCT	ACCT DESCRIPTION	DOLLARS	Category	Traditional OOR			GRSM			Other Ratemaking	Notes	
						Total	ISO	Non-ISO	Total	A/P	Threshold [10]			Incremental
Subsidiaries														
28a	418.1		ESI (Gross Revenues - Active)		GRSM	0	0	0	0	A		0	0	2.9
28b	418.1		ESI (Gross Revenues - Passive)		GRSM	0	0	0	0	P		0	0	2.9
28c	418.1		Southern States Realty	0	GRSM	0	0	0	0	P		0	0	2.15
28d	418.1		Mono Power Company	(45)	Traditional OOR	(45)	0	(45)	0			0	0	13
28e	418.1		Edison Material Supply (EMS)	(1,824,113)	Traditional OOR	(1,824,113)	(107,969)	(1,716,143)	0			0	0	7.17
29	418.1 Subsidiaries Total			(1,824,158)		(1,824,158)	(107,969)	(1,716,188)	0		0	0	0	
30	418.1 Other (See Note 16)			(1,824,158)										
31	FF-1 Total for Account 418.1 -Equity in Earnings of Subsidiary Companies, p117.36c (Must Equal Line 29 + 30)			(45)										
32	Totals			798,220,762		241,420,223	49,523,449	191,896,774	83,406,529		16,671,389	66,735,140	473,394,010	

Line	Description	Amount	Calculation
33	Ratepayers' Share of Threshold Revenue	16,671,389	= Line 32K
34	ISO Ratepayers' Share of Threshold Revenue	5,425,127	Note 11
35			
36	Total Active Incremental Revenue	40,424,675	= Sum Active categories in column L
37	Ratepayers' Share of Active Incremental Revenue	4,042,467	= Line 36D * 10%
38	Total Passive Incremental Revenue	26,310,465	= Sum Passive categories in column L
39	Ratepayers' Share of Passive Incremental Revenue	7,893,139	= Line 38D * 30%
40	Total Ratepayers' Share of Incremental Revenue	11,935,607	= Line 37D + Line 39D
41	ISO Ratepayers' Share of Incremental Revenue (%)	32.54%	see Note 11
42	ISO Ratepayers' Share of Incremental Revenue	3,884,030	= Line 40D * Line 41D
43	Tot. ISO Ratepayers' Share NTP&S Gross Rev.	9,309,157	= Line 34D + Line 42D

44	Total Revenue Credits:	Amount \$58,832,606	Calculation Sum of Column D, Line 43 and Column G, Line 32
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- Notes:
- CPUC Jurisdictional service related.
 - Subject to sharing per the Gross Revenue Sharing Mechanism (GRSM), adopted in CPUC D.99-09-070. On an annual basis, once SCE obtains \$16,671,389.55 (Threshold Revenue) in NTP&S Revenues, any additional revenues (Incremental Gross Revenues) that SCE receives are shared between shareholders and ratepayers. For GRSM categories deemed Active, the Incremental Gross Revenues are shared 90/10 between shareholders and ratepayers. For those categories deemed Passive, the Incremental Gross Revenues are shared 70/30 between shareholders and ratepayers.
 - Generation related.
 - Non-ISO facilities related.
 - ISO transmission system related.
 - Subject to balancing account treatment
 - Allocated based on CPUC GRC allocator in effect during the Prior Year. The weighted average (by time) shall be used if more than one allocator is in effect during the Prior Year.
ISO Allocator = 0.05919 Source: CPUC D. 15-11-021
 - ISO portion of Traditional OOR relates to monthly revenues received from customers for facilities that are part of the ISO network.
 - Edison ESI is a subsidiary company. Gross revenues are not reported in FF-1, only net earnings. Net Earnings for ESI are reported on Acct 418.1, pg 225.5e.
 - The first \$16,671,389 million in gross revenues generated by GRSM activities are automatically classified as Threshold Revenue.
 - Allocator is equal to the jurisdictional split of the Threshold Revenue, which is jurisdictionalized as \$5.425M to FERC ratepayers and \$11.246M to CPUC ratepayers per the 2009 CPUC General Rate Case (D. 09-03-025). The ISO ratepayers' share of ratepayer revenue is \$5.425M/\$16.671M = 32.54%.
 - Allocated based on the CPUC Base Revenue Requirement Balancing Account (BRRBA) allocator in effect during the Prior Year. The weighted average (by time) shall be used if more than one allocator is in effect during the Prior Year. ISO portion of revenue is treated as traditional OOR.
ISO Allocator = 0.05919 Source: CPUC D. 15-11-021
 - Mono Power Company is a subsidiary company. Net Earnings are reported on Acct 418.1, pg 225.11e. Revenues and costs shall be non-ISO.
 - SCE Capital Company is a subsidiary company. Net Earnings are reported on Acct 418.1, pg 225.23e. Revenues and costs shall be non-ISO.
 - Southern States Realty is a subsidiary company. Gross revenues are not reported in FF-1, only net earnings. Net Earnings for Southern States Realty are reported on Acct 418.1, pg 225.17e.
 - For subsidiaries that are subject to GRSM, Column D contains gross revenues. Input on Line 30D contains the associated expenses.
 - Per GRC Decision D.87-12-066, for ratemaking purposes EMS financials are consolidated with SCE's. See FERC Form 1 page 123.3 under "Equity Investment Differences". Consequently, net income of EMS is not reported separately in FERC Form 1 and is not a part of FERC Account 418.1 totals. To ensure that ratepayers receive the net income from this subsidiary SCE includes EMS net income in the formula on line 28f. This amount is reversed as part of line 30 to remain consistent with the totals reported in FERC Form 1.

NETWORK UPGRADE CREDIT AND INTEREST EXPENSE

Prior Year: **2017**

1) Beginning of Year Balances: (Note 1)

<u>Line</u>		<u>Balance</u>	<u>Notes</u>
1	Outstanding Network Upgrade Credits Recorded in FERC Acct 252	\$119,779,556	See Note 1
2	Acct 252 Other	\$91,604,742	Line 3 - Line 1
3	Total Acct 252 - Customer Advances for Construction	\$211,384,298	FF1 113.56d

2) End of Year Balances: (Note 2)

4	Outstanding Network Upgrade Credits Recorded in FERC Acct 252	\$93,345,105	See Note 3
5	Acct 252 Other	\$79,619,300	Line 6 - Line 4
6	Total Acct 252 - Customer Advances for Construction	\$172,964,405	FF1 113.56c
7	Average Outstanding Network Upgrade Credits Beginning and End of Year	\$106,562,330	(Line 1 + Line 4) / 2
8	Interest On Network Upgrade Credits Recorded in FERC Acct 242	\$6,116,851	See Note 4
9	Acct 242 Other	\$664,223,662	Line 10 - Line 8
10	Total Acct 242 - Miscellaneous Current and Accrued Liabilities	\$670,340,513	FF1 113.48c

Notes:

- 1 Beginning of Year Balances are from December of the year previous to the Prior Year.
- 2 End of Year Balances are from December of the Prior Year.
- 3 Only projects that are in Rate Base in the year reported are included.
- 4 Interest relates to refund of facility and one-time payments by generator. For facility costs, pre-in-service date interest is excluded. For one-time costs, pre-in-service and post-in-service interest is included.

Determination of Regulatory Assets/Liabilities and Associated Amortization and Regulatory Debits/Credits

Line

1 Other Regulatory Assets/Liabilities are a component of Rate Base representing costs that are created resulting from the ratemaking
 2 actions of regulatory agencies. Pursuant to the Commission's Uniform System of Accounts, these items include amounts recorded
 3 in accounts 182.x and 254. This Schedule shall not include any costs recovered through Schedule 12.
 4
 5 SCE shall include a non-zero amount of Other Regulatory Assets/Liabilities only with Commission
 6 approval received subsequent to an SCE Section 205 filing requesting such treatment.
 7
 8 Amortization and Regulatory Debits/Credits are amounts approved for recovery in this formula transmission rate representing the
 9 approved annual recovery of Other Regulatory Assets/Liabilities as an expense item in the Base TRR, consistent
 10 with a Commission Order.
 11

12		Prior Year	
13		<u>Amount</u>	<u>Calculation or Source</u>
14	Other Regulatory Assets/Liabilities (EOY):	\$0	Sum of Column 2 below
15	Other Regulatory Assets/Liabilities (BOY/EOY average):	\$0	Avg. of Sum of Cols. 1 and 2 below
16	Amortization and Regulatory Debits/Credits:	\$0	Sum of Column 3 below

	Col 1	Col 2	Col 3	
Description of Issue	Prior Year	Prior Year	Prior Year	Commission Order
Resulting in Other Regulatory	BOY	EOY	Amortization or	Granting Approval of
<u>Asset/Liability</u>	<u>Other Reg</u>	<u>Other Reg</u>	<u>Regulatory</u>	<u>Regulatory Liability</u>
<u>Asset/Liability</u>	<u>Asset/Liability</u>	<u>Asset/Liability</u>	<u>Debit/Credit</u>	
17 Issue #1				
18 Issue #2				
19 Issue #3				
20 Totals:	\$0	\$0	\$0	Sum of above

Instructions:

- 1) Upon Commission approval of recovery of Other Regulatory Assets/Liabilities, Amortization and Regulatory Debits/Credits costs through this formula transmission rate:
 - a) Fill in Description for issue in above table.
 - b) Enter costs in columns 1-3 in above table for the applicable Prior Year.
- 2) Add additional lines as necessary for additional issues.

Calculation of the Contribution of CWIP to the Base TRR

1) CWIP Contribution to the Prior Year TRR and True Up TRR

a) CWIP Balances:		Col 1	Col 2	Col 3	
		Prior Year	Prior Year	Forecast	
Line	Project	EOY Amount	Average Amount	Period Amount	Source
1	Tehachapi:	\$150,976	\$5,894,762	-\$150,976	10-CWIP, Lines 13, 14, 80
2	Devers to Colorado River:	\$0	\$0	\$0	10-CWIP, Lines 13, 14, 106
3	South of Kramer:	\$4,884,728	\$4,594,011	\$628,048	10-CWIP, Lines 13, 14, 132
4	West of Devers:	\$98,805,812	\$80,157,512	\$158,421,232	10-CWIP, Lines 13, 14, 158
5	Red Bluff:	\$0	\$0	\$0	10-CWIP, Lines 13, 14, 184
6	Whirlwind Sub Expansion:	\$0	\$9,253,542	\$0	10-CWIP, Lines 27, 28, 210
7	Colorado River Sub Expansion:	\$0	\$0	\$0	10-CWIP, Lines 27, 28, 236
8	Mesa:	\$46,788,116	\$6,541,655	\$110,990,871	10-CWIP, Lines 27, 28, 262
9	Alberhill:	\$36,155,803	\$2,781,216	\$3,359,286	10-CWIP, Lines 27, 28, 288
10	ELM Series Caps:	\$34,993,045	\$2,691,773	\$28,209,776	10-CWIP, Lines 27, 28, 314
11		\$0	---	\$0	10-CWIP, Lines 27, 28, 340
12	Totals:	\$221,778,480	\$111,914,471	\$301,458,237	Sum of Lines 1 to 11

b) Return:		EOY Amount	Average Amount	Source
13	CWIP Amount:	\$221,778,480	\$111,914,471	Line 12
14	Cost of Capital Rate:	7.9404%	7.9404%	1-BaseTRR, Line 54
15	Cost of Capital:	\$17,610,128	\$8,886,472	Line 13 * Line 14

c) Income Taxes		EOY Amount	Average Amount	Source
16	CWIP Amount:	\$221,778,480	\$111,914,471	Line 12
17	Equity ROR w Preferred Stock ("ER"):	5.9273%	5.9273%	1-BaseTRR, Line 55
18	Composite Tax Rate:	27.9836%	27.9836%	1-BaseTRR, Line 59
19	Income Taxes:	\$5,107,931	\$2,577,578	Formula on Line 21

20
21 Income Taxes = [(RB * ER) * (CTR/(1 - CTR))], or [(L13 * L17) * (L18 / (1 - L18))]
22 (No "Credits and Other" or "AFUDC" Terms, since these are not related to CWIP)
23

d) ROE Incentives:		Value	Source
24	IREF =	\$6,969	15-IncentiveAdder, Line 3

1) Tehachapi

	EOY Amount	Average Amount	
25	Tehachapi CWIP Amount:	\$150,976	Line 1
26	ROE Adder %:	1.25%	15-IncentiveAdder, Line 5
27	ROE Adder \$:	\$1,315	Formula on Line 32

2) Devers to Colorado River

	EOY Amount	Average Amount	
28	DCR CWIP Amount:	\$0	Line 2
29	ROE Adder %:	1.00%	15-IncentiveAdder, Line 6
30	ROE Adder \$:	\$0	Formula on Line 32

31
32 ROE Adder \$ = (Project CWIP Amount/\$1,000,000) * IREF * (ROE Adder % / 1%)

e) Total of Return, Income Taxes, and ROE Incentives contribution to PYTRR and True Up TRR

	PYTRR Amount	True Up TRR Amount	Source
33	Return:	\$17,610,128	Line 15
34	Income Taxes:	\$5,107,931	Line 19
35	ROE Adder Tehachapi:	\$1,315	Line 27
36	ROE Adder DCR:	\$0	Line 30
37	FF&U:	\$263,847	Note 1
38	Total:	\$22,983,221	Sum Lines 33 to 37

f) Contribution from each Project to the Prior Year TRR and True Up TRR

1) Contribution to the Prior Year TRR

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	
	<u>Cost of</u>	<u>Income</u>			= Sum C1 to C4	
<u>Project</u>	<u>Capital</u>	<u>Taxes</u>	<u>ROE Adder</u>	<u>FF&U</u>	<u>Total</u>	<u>Source</u>
39 Tehachapi:	\$11,988	\$3,477	\$1,315	\$195	\$16,975	Note 2
40 Devers to Colorado River:	\$0	\$0	\$0	\$0	\$0	Note 2
41 South of Kramer:	\$387,868	\$112,503	\$0	\$5,811	\$506,182	Note 2
42 West of Devers:	\$7,845,590	\$2,275,664	\$0	\$117,541	\$10,238,795	Note 2
43 Red Bluff:	\$0	\$0	\$0	\$0	\$0	Note 2
44 Whirlwind Sub Expansion:	\$0	\$0	\$0	\$0	\$0	Note 2
45 Colorado River Sub Expansion:	\$0	\$0	\$0	\$0	\$0	Note 2
46 Mesa	\$3,715,170	\$1,077,609	\$0	\$55,660	\$4,848,439	Note 2
47 Alberhill	\$2,870,920	\$832,729	\$0	\$43,012	\$3,746,661	Note 2
48 ELM Series Caps	\$2,778,592	\$805,949	\$0	\$41,628	\$3,626,169	Note 2
49	---	---	---	---	---	Note 2
50 Totals:	\$17,610,128	\$5,107,931	\$1,315	\$263,847	\$22,983,221	Sum L 39 to L 49

2) Contribution to the True Up TRR

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	
	<u>Cost of</u>	<u>Income</u>			= Sum C1 to C4	
<u>Project</u>	<u>Capital</u>	<u>Taxes</u>	<u>ROE Adder</u>	<u>FF&U</u>	<u>Total</u>	<u>Source</u>
51 Tehachapi:	\$468,068	\$135,766	\$51,352	\$7,609	\$662,795	Note 3
52 Devers to Colorado River:	\$0	\$0	\$0	\$0	\$0	Note 3
53 South of Kramer:	\$364,783	\$105,808	\$0	\$5,465	\$476,056	Note 3
54 West of Devers:	\$6,364,838	\$1,846,162	\$0	\$95,357	\$8,306,357	Note 3
55 Red Bluff:	\$0	\$0	\$0	\$0	\$0	Note 3
56 Whirlwind Sub Expansion:	\$734,770	\$213,125	\$0	\$11,008	\$958,902	Note 3
57 Colorado River Sub Expansion:	\$0	\$0	\$0	\$0	\$0	Note 3
58 Mesa	\$519,434	\$150,665	\$0	\$7,782	\$677,882	Note 3
59 Alberhill	\$220,840	\$64,056	\$0	\$3,309	\$288,205	Note 3
60 ELM Series Caps	\$213,738	\$61,996	\$0	\$3,202	\$278,936	Note 3
61	---	---	---	---	---	Note 3
62 Totals:	\$8,886,472	\$2,577,578	\$51,352	\$133,732	\$11,649,134	Sum of L 51 to 61

2) Contribution from the Incremental Forecast Period TRR

a) Total of all CWIP projects

	<u>Value</u>	<u>Source</u>
63 Forecast Period Incremental CWIP:	\$301,458,237	Line 12, Col 3
64 AFCRCWIP:	10.244%	2-IFPTRR, Line 16
65 CWIP component of IFPTRR without FF&U:	\$30,880,120	Line 63 * Line 64
66 FF&U:	\$358,620	Line 65 * (28-FFU, L5 FF Factor + U Factor)
67 CWIP component of IFPTRR including FF&U:	\$31,238,740	Line 65 + Line 66

b) Individual Project Contribution

<u>Project</u>	<u>Amount</u>	<u>Amount</u>	<u>Source</u>
	<u>wo FF&U</u>	<u>with FF&U</u>	
68 Tehachapi:	-\$15,465	-\$15,645	Note 4
69 Devers to Colorado River:	\$0	\$0	Note 4
70 South of Kramer:	\$64,335	\$65,082	Note 4
71 West of Devers:	\$16,228,008	\$16,416,469	Note 4
72 Red Bluff:	\$0	\$0	Note 4
73 Whirlwind Sub Expansion:	\$0	\$0	Note 4
74 Colorado River Sub Expansion:	\$0	\$0	Note 4
75 Mesa	\$11,369,440	\$11,501,477	Note 4
76 Alberhill	\$344,111	\$348,107	Note 4
77 ELM Series Caps	\$2,889,691	\$2,923,250	Note 4
78	---	---	Note 4
79 Totals:	\$30,880,120	\$31,238,740	Sum of Lines 68 to 78

3) Total Contribution of CWIP to the Retail and Wholesale Base TRRs:

a) Total of all CWIP projects

		<u>Value</u>	<u>Source</u>
80	PY Total Return, Taxes, Incentive:	\$22,719,374	Sum Line 33 to 36
81	CWIP component of IFPTRR wo FF&U:	\$30,880,120	Line 65
82	Total without FF&U:	\$53,599,494	Line 80 + Line 81
83	FF Factor:	0.9206%	28-FFU, Line 5
84	U Factor:	0.2408%	28-FFU, Line 5
85	Franchise Fees Amount:	\$493,421	Line 82 * Line 83
86	Uncollectibles Amount:	\$129,046	Line 82 * Line 84
87	Total Contribution of CWIP to Retail Base TRR:	\$54,221,961	Line 82 + Line 85 + Line 86
88	Total Contribution of CWIP to Wholesale Base TRR:	\$54,092,915	Line 82 + Line 85

b) Individual CWIP Project Contribution to the Retail Base TRR

	<u>Col 1</u> <u>PYTRR</u> <u>wo FF&U</u>	<u>Col 2</u> <u>IFPTRR</u> <u>wo FF&U</u>	<u>Col 3</u> <u>FF&U</u>	<u>Col 4</u> <u>Total</u>	<u>Source</u>	
89	Tehachapi:	\$16,781	-\$15,465	\$15	\$1,330	Note 5
90	Devers to Colorado River:	\$0	\$0	\$0	\$0	Note 5
91	South of Kramer:	\$500,371	\$64,335	\$6,558	\$571,264	Note 5
92	West of Devers:	\$10,121,254	\$16,228,008	\$306,002	\$26,655,264	Note 5
93	Red Bluff:	\$0	\$0	\$0	\$0	Note 5
94	Whirlwind Sub Expansion:	\$0	\$0	\$0	\$0	Note 5
95	Colorado River Sub Expansion:	\$0	\$0	\$0	\$0	Note 5
96	Mesa	\$4,792,779	\$11,369,440	\$187,697	\$16,349,916	Note 5
97	Alberhill	\$3,703,649	\$344,111	\$47,008	\$4,094,768	Note 5
98	ELM Series Caps	\$3,584,541	\$2,889,691	\$75,187	\$6,549,420	Note 5
99		---	---	---	---	Note 5
100	Totals:	\$22,719,374	\$30,880,120	\$622,467	\$54,221,961	

c) Individual CWIP Project Contribution to the Wholesale Base TRR

	<u>Col 1</u> <u>PYTRR</u> <u>wo FF&U</u>	<u>Col 2</u> <u>IFPTRR</u> <u>wo FF&U</u>	<u>Col 3</u> <u>FF</u>	<u>Col 4</u> <u>Total</u>	<u>Source</u>	
101	Tehachapi:	\$16,781	-\$15,465	\$12	\$1,327	Note 6
102	Devers to Colorado River:	\$0	\$0	\$0	\$0	Note 6
103	South of Kramer:	\$500,371	\$64,335	\$5,199	\$569,904	Note 6
104	West of Devers:	\$10,121,254	\$16,228,008	\$242,563	\$26,591,825	Note 6
105	Red Bluff:	\$0	\$0	\$0	\$0	Note 6
106	Whirlwind Sub Expansion:	\$0	\$0	\$0	\$0	Note 6
107	Colorado River Sub Expansion:	\$0	\$0	\$0	\$0	Note 6
108	Mesa	\$4,792,779	\$11,369,440	\$148,785	\$16,311,004	Note 6
109	Alberhill	\$3,703,649	\$344,111	\$37,262	\$4,085,023	Note 6
110	ELM Series Caps	\$3,584,541	\$2,889,691	\$59,600	\$6,533,832	Note 6
111		---	---	---	---	Note 6
112	Totals:	\$22,719,374	\$30,880,120	\$493,421	\$54,092,915	

Notes:

- (Sum Lines 33 to 36) * (FF + U Factors from 28-FFU) for Prior Year TRR
(Sum Lines 34 to 37) * (FF Factor from 28-FFU) for True Up TRR
- Project Cost of capital is a fraction of total Cost of Capital on Line 15 based on fraction of project CWIP Balances on Lines 1 to 12, Col 1.
Project Income Taxes is a fraction of total Income on Line 19 based on fraction of project CWIP Balances on Lines 1 to 12, Col 1.
ROE Adder is from Lines 35 and 36. FF&U Expenses are based on FF&U Factors on 28-FFU.
- Project Cost of capital is a fraction of total Cost of Capital on Line 15 based on fraction of project CWIP Balances on Lines 1 to 12, Col 2.
Project Income Taxes is a fraction of total Income on Line 19 based on fraction of project CWIP Balances on Lines 1 to 12, Col 2.
ROE Adder is from Lines 35 and 36. FF&U Expenses are based on FF&U Factors on 28-FFU.
- Project contribution to total IFPTRR is based on fraction of Forecast Period CWIP Balances on Lines 1 to 12, Col 3.
- Column 1 is from Lines 39 to 49, Sum of Column 1-3 (no FF&U).
Column 2 is from Lines 68 to 78 (no FF&U).
Column 3 is the product of (C1 + C2) and the sum of FF and U factors (28-FFU, L5)
- Same as Note 5 except no Uncollectibles Expense in Column 3.

Calculation of Wholesale Difference to the Base TRR

Inputs are shaded yellow

The Wholesale Difference to the Base TRR represents the amount by which the Wholesale Base TRR differs as compared to the Retail Base TRR. This difference is attributable to differences in the following six items, as approved by Commission Order 86 FERC ¶ 63,014 in Docket No. ER97-2355.

These six items may affect the Base TRR by affecting Rate Base, or affecting an annual expense (amortization). If the annual amortization affects Income Taxes, there is an additional annual Income Tax Effect. The table summarizes these impacts for each item:

<u>Line</u>		<u>Rate Base Difference</u>	<u>Expense (Amortization) Difference</u>	<u>Expense Tax Impact</u>
1	a) Depreciation	Yes	Yes	Yes
2	b) Taxes Deferred -Make Up Adjustment (South Georgia)	Yes	Yes	Yes
3	c) Excess Deferred Taxes	Yes	Yes	Yes
4	d) Taxes Deferred - Acct. 282 ACRS/MACRS	Yes	Yes	No
5	e) Uncollectibles Expense	No	Yes	No
6	f) EPRI and EEI Dues	No	Yes	No

1) Calculation of Wholesale Rate Base Difference and Wholesale Rate Base Adjustment

a) Quantification of the Initial 2010 Wholesale Rate Base Difference and annual change

The difference between Retail and Wholesale Rate Base is attributable to the following four items, with the Initial Prior Year 2010 Rate Base differences and annual changes as follows:

	<u>Data Source</u>	<u>Col 1 2010 Rate Base Difference (Wholesale less Retail)</u>	<u>Col 2 Annual Change (Amortization)</u>
7	1) Accumulated Depreciation	Fixed values	\$31,556,000
8	2) Taxes Deferred - Make Up Adjustment	Fixed values	-\$35,044,000
9	3) Excess Deferred Taxes	Fixed values	-\$624,650
10	4) Taxes Deferred - Acct. 282 ACRS/MACRS	Fixed values	-\$7,410,000
11		Totals:	-\$11,522,650

b) Quantification of the Wholesale Rate Base Adjustment

The Wholesale Rate Base Adjustment represents the impact on the Wholesale Base TRR relative to the Retail Base TRR of the Wholesale Rate Base Difference for the Prior Year.

	<u>Data Source</u>	<u>Value</u>	<u>Notes/Instructions</u>
12	Fixed Charge Rate	2-IFPTRR Line 16	10.24%
13	Prior Year		2017
14	Wholesale Rate Base Difference for Prior Year		-\$5,355,650
15	Wholesale Rate Base Adjustment	Line 14 * Line 12	-\$548,610

2) Calculation of Wholesale Expense Difference

The annual Wholesale Expense Difference impact is the negative of amounts stated in Lines 7 to 10 above, Column 2. It represents the effect on expenses (Wholesale less Retail) of amortizing the associated balances each year. If an annual amortization amount affects Income Taxes, the expense difference must be grossed up for income taxes.

a) Calculation of the Wholesale South Georgia Income Tax Adjustment to the TRR

	<u>Source</u>	<u>Value</u>
16	South Georgia Amortization	Line 8
17	Composite Tax Rate ("CTR")	1-BaseTRR L 59
18	Tax Gross Up Factor	(1/(1-CTR))
19	Wholesale South Georgia	
20	Income Tax Adjustment to the TRR:	- Line 16 * Line 18

b) Calculation of "Excess Deferred Taxes" Grossed Up for Income Taxes

	<u>Source</u>	<u>Value</u>
21	Annual Amort. of "Excess Deferred Taxes":	Line 9
22	Tax Gross Up Factor	Line 18
23	Excess Deferred Taxes Grossed Up for Income Taxes:	- Line 21 * Line 22
24		

25 c) Calculation of EPRI and EEI Dues Exclusion

	<u>Source</u>		<u>Notes/Instructions</u>
26			
27	SCE Records	\$200,769	Note 5
28	SCE Records	\$1,529,649	Note 5
29	Line 27 + 28	\$1,730,418	
30	27-Allocators, Line 9	6.0143%	
31	Line 29 * 30	\$104,073	

d) Total Expense Difference

			<u>Notes/Instructions</u>
32	1) Wholesale Depreciation Difference	- Line 7, Col. 2	\$2,176,300
33	2) Taxes Deferred - Make Up Adjustment	Line 20	-\$3,475,597
34	3) Excess Deferred Taxes	Line 23	-\$59,847
35	4) Taxes Deferred - Acct. 282 ACRS/MACRS	- Line 10, Col. 2	-\$511,200
36	5) EPRI and EEI Dues Exclusion	- Line 31	-\$104,073
37	6) Additional Expense Difference		\$0
38	Total Expense Difference:		-\$1,974,418

3) Calculation of the Wholesale Difference to the Base TRR

	<u>Source</u>	<u>Value</u>	
39	Line 15	-\$548,610	
40	Line 38	-\$1,974,418	
41	- 1-Base TRR, L 80	-\$2,382,921	
42	- 2-IFPTRR, L 80	-\$237,372	
43	Sum Line 39 to Line 42	-\$5,143,321	
44	Franchise Fee Exclusion	-\$23,226	Note 4
45	Line 43 + Line 44	-\$5,166,547	

Notes/Instructions:

- 1) Fixed Charge Rate of capital and income tax costs associated with \$1 of Rate Base is defined elsewhere in this formula as "AFCRCWIP".
- 2) Input Prior Year for this Informational Filing in Line 13.
- 3) Calculation: (Line 11, Col 1) + ((Line 11, Col 2) * (Line 13 - 2010)).
- 4) Franchise Fee Exclusion is equal to the Franchise Fee Factor on the 28-FFU Line 5 times Line 39 + 40.
- 5) Only exclude if not already excluded in Schedule 20.
- 6) If appropriate, additional expenses may be excluded from the Wholesale Base TRR

Income Tax Rates

1) Federal Income Tax rate Inputs are shaded yellow

<u>Line</u>	<u>Rate Year</u>	<u>Federal Income Tax Rate ("FITR")</u>	<u>Source</u>
1	2019	21.00%	Note 1
2			

2) Composite State Income Tax Rate

<u>Line</u>	<u>Rate Year</u>	<u>Composite State Income Tax Rate ("CSITR")</u>	<u>Source</u>
6	2019	8.8400%	Note 2
7			
8			
9			
10			
11			

3) Capitalized Overhead portion of Electric Payroll Tax Expense

<u>Line</u>		<u>Amount</u>
13		
14	Total Electric Payroll Tax Expense (From 1-BaseTRR, Line 31)	\$117,049,541
15	Capitalization Rate (Note 3)	39.8%
16	Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 * Line 15)	\$46,585,717
17	Non-Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 - Line 16)	\$70,463,824

Notes:

- 1) Federal Source Statute: Tax Cuts and Jobs Act (the Act)
- 2) California State Source Statute: California Rev. & Tax. Cd. § 23151
- 3) Capitalization Rate approved in: CPUC D. 15-11-021
For the following Prior Years: 2015-2017
- 4) In the event that either the Federal or State Income Tax Rate applicable to the Rate Year differs from that in effect during the Prior Year, the True Up TRR for the Prior Year will be calculated utilizing the same Formula Rate Spreadsheet except for the Income Tax rate(s). The difference between the True Up TRR calculated in such workpaper using the Income Tax Rates that were in effect during the Prior Year and the True Up TRR otherwise calculated by this formula shall be entered as a One Time Adjustment on Schedule 3, ensuring that the Formula Spreadsheet correctly calculates the True Up TRR for the Prior Year to be based on the Income Tax Rate(s) that were in effect during that year. For the Prior Years of 2016 and 2017, both of which will have Income Tax Rates that differ between the Prior Year and the Rate Year due to the passage of the 2017 Tax Cuts and Jobs Act, this provision will be implemented as part of the Section 6 of the Formula Rate Protocols, which will calculate the True Up TRR for those years based on a Federal Income Tax Rate of 35%.

Calculation of Allocation Factors

Inputs are shaded yellow

1) Calculation of Transmission Wages and Salaries Allocation Factor

Line	Notes	FERC Form 1 Reference or Instruction	Prior Year Value
1	ISO Transmission Wages and Salaries	19-OandM Line 91, Col. 7	\$35,938,613
2	Total Wages and Salaries	FF1 354.28b	\$749,285,680
3	Less Total A&G Wages and Salaries	FF1 354.27b	\$210,410,528
4	Total Wages and Salaries wo A&G	Line 2 - Line 3	\$538,875,152
5	Total NOIC (Non-Officer Incentive Compensation)	20-AandG, Note 2	\$88,782,682
6	Less A&G NOIC	20-AandG, Note 2	\$30,108,715
7	NOIC wo A&G NOIC	Line 5 - Line 6	\$58,673,968
8	Total non-A&G W&S with NOIC	Line 4 + Line 7	\$597,549,120
9	Transmission Wages and Salary Allocation Factor	Line 1 / Line 8	6.0143%

2) Calculation of Transmission Plant Allocation Factor

Line	Notes	FERC Form 1 Reference or Instruction	Prior Year Value
14	Transmission Plant - ISO	7-PlantStudy, Line 21	\$8,573,445,553
15	Distribution Plant - ISO	7-PlantStudy, Line 30	\$0
16	Total Electric Miscellaneous Intangible Plant	6-PlantInService, Line 21, C2	\$1,324,870,316
17	Electric Miscellaneous Intangible Plant - ISO	Line 16 * Line 9	\$79,682,156
18	Total General Plant	6-PlantInService, Line 21, C1	\$3,102,162,333
19	General Plant - ISO	Line 18 * Line 9	\$186,574,475
20	Total Plant In Service	FF1 207.104g	\$46,164,121,713
22	Transmission Plant Allocation Factor	(L14 + L15 + L17 + L19) / L20	19.1484%

3) Schedule 19 "Percent ISO" Allocation Factors (Input values are from SCE Records)

Line	Values	Notes	Applied to Accounts
26	a) Line Miles		
27	ISO Line Miles	5,683	563 --Overhead Line Expenses - Allocated
28	Non-ISO Line Miles	6,473	567 - Line Rents - Allocated
29	Total Line Miles	12,156 = L27 + L28	571 - Maintenance of Overhead Lines - Allocated
30	Line Miles Percent ISO	46.8% = L27 / L29	
32	b) Underground Line Miles		
33	ISO Underground Line Miles	5	564 - Underground Line Expense
34	Non-ISO Underground Line Miles	355	572 - Maintenance of Underground Transmission Lines
35	Total Underground Line Miles	360 = L33 + L34	
36	Underground Line Miles Percent ISO	1.4% = L33 / L35	
38	c) Circuit Breakers		
39	ISO Circuit Breakers	1,205	All Other Non 0% or 100% Transmission O&M Accounts
40	Non-ISO Breakers	2,083	
41	Total Circuit Breakers	3,288 = L39 + L40	
42	Circuit Breakers Percent ISO	36.6% = L39 / L41	
44	d) Distribution Circuit Breakers		
45	ISO Distribution Circuit Breakers	0	582 - Station Expenses
46	Non-ISO Distribution Circuit Breakers	8,853	590 - Maintenance Supervision and Engineering
47	Total Distribution Circuit Breakers	8,853 = L45 + L46	591 - Maintenance of Structures
48	Distribution Circuit Breakers Percent ISO	0.0% = L45 / L47	592 - Maintenance of Station Equipment

Franchise Fees and Uncollectibles Expense Factors

1) Approved Franchise Fee Factor(s)

Inputs are shaded yellow

<u>Line</u>	<u>From</u>	<u>To</u>	<u>Days in Prior Year</u>	<u>FF Factor</u>	<u>Reference</u>
1	2017	Present	365	0.92057%	Schedule 28 - Workpaper Line 3
2					

2) Approved Uncollectibles Expense Factor(s)

<u>Line</u>	<u>From</u>	<u>To</u>	<u>Days in Prior Year</u>	<u>U Factor</u>	<u>Reference</u>
3	2017	Present	365	0.24076%	Schedule 28 - Workpaper Line 4
4					

3) FF and U Factors

<u>Line</u>	<u>Prior Year</u>	<u>FF Factor</u>	<u>U Factor</u>	<u>Notes</u>
5	2017	0.92057%	0.24076%	Calculated according to Instruction 3

Notes:

1) Franchise Fees represent payments that SCE makes to municipal entities for the right to locate facilities within the municipality.

Instructions:

- 1) Enter Franchise Fee and Uncollectibles Factors as approved by the California Public Utilities Commission ("CPUC") in modules 1 and 2 above pursuant to Instruction 2. If approved factors changed during Prior Year, enter both, and note period of time for which each applies in "From" and "To" columns, and number of days each was in effect during the Prior Year in "Days in Prior Year" Column.
- 2) Franchise Fees Factor is calculated from CPUC Decision by dividing adopted Franchise Fees by Total Operating Revenues less Franchise Fees. Uncollectibles Factor is calculated by dividing adopted Uncollectibles expense by Total Operating revenues less Uncollectibles Expense. Resulting FF & U Factors represent factors that, when applied to TRR without FF and U will correctly determine FF and U expense.
- 3) Calculate in module 3 the weighted average FF and U factors from the factors in modules 1 and 2 based on the number of days each FF and U factor was in effect during the Prior Year at issue.

	<u>Percent</u>	<u>Calculation</u>
Prior Year FF Factor:	0.92057%	$((L1 \text{ FF Factor} * L1 \text{ Days}) + (L2 \text{ FF Factor} * L2 \text{ Days})) / (L1 + L2 \text{ Days})$
Prior Year U Factor:	0.24076%	$((L3 \text{ U Factor} * L3 \text{ Days}) + (L4 \text{ U Factor} * L4 \text{ Days})) / (L3 + L4 \text{ Days})$

CALCULATION OF SCE WHOLESALE HIGH AND LOW VOLTAGE TRRS

<u>Line</u>	<u>TRR Values</u>	<u>Notes</u>	<u>Source</u>
1	\$1,033,320,358 = Wholesale Base TRR		1-BaseTRR, Line 89
2	-\$72,958,322 = Total Wholesale TRBAA	Note 1	2019 TRBAA ER19-220
3	-\$72,644,844 = HV Wholesale TRBAA		2019 TRBAA ER19-220
4	-\$313,478 = LV Wholesale TRBAA		2019 TRBAA ER19-220
5	-\$7,785,023 = Total Standby Transmission Revenues	Note 2	SCE Retail Standby Rate Revenue
6	96.9981% = HV Allocation Factor		31-HVLV, Line 37
7	3.0019% = LV Allocation Factor		31-HVLV, Line 37

Calculation of Total High Voltage and Low Voltage components of Wholesale TRR

	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Source</u>
	<u>TOTAL</u>	<u>High Voltage</u>	<u>Low Voltage</u>	
8	Wholesale Base TRR: \$1,033,320,358	\$1,002,301,041	\$31,019,317	See Note 3
9	CWIP Component of Wholesale Base TRR: \$54,092,915	\$54,092,915	\$0	See Note 4
10	Non-CWIP Component of Wholesale Base TRR: \$979,227,443	\$948,208,126	\$31,019,317	See Note 5
11	Wholesale TRBAA: -\$72,958,322	-\$72,644,844	-\$313,478	Lines 2 to 4
12	Less Standby Transmission Revenues: <u>-\$7,785,023</u>	<u>-\$7,551,324</u>	<u>-\$233,699</u>	See Note 6
13	Components of Wholesale Transmission Revenue Requirement: \$952,577,014	\$922,104,874	\$30,472,140	Sum of Lines 8, 11, and 12

Notes:

- 1) TRBAA is "Transmission Revenue Balancing Account Adjustment". The TRBAA is determined pursuant to SCE's Transmission Owner Tariff and may be revised each January 1, upon commission acceptance of a revised TRBAA amount, or upon the date the Commission orders.
- 2) From 33-RetailRates. See Line: **Line 17, column 3**
- 3) Column 1 is from Line 1.
Column 2 equals Column 1 * Line 6.
Column 3 equals Column 1 * Line 7.
- 4) From 24-CWIPTRR, Line 88. All High Voltage.
- 5) Line 8 - Line 9
- 6) Column 1 is from Line 5.
Column 2 equals Column 1 * Line 6.
Column 3 equals Column 1 * Line 7.

Calculation of SCE Wholesale Rates (See Note 1)

SCE's wholesale rates are as follows:

- 1) Low Voltage Access Charge
- 2) High Voltage Utility-Specific Rate
- 3) HV Existing Contracts Access Charge

Calculation of Low Voltage Access Charge:

<u>Line</u>				<u>Source</u>
1	LV TRR =	\$30,472,140		29-WholesaleTRRs, Line 13, C3
2	Gross Load =	86,694,873	MWh	32-Gross Load, Line 3
3	Low Voltage Access Charge =	\$0.00035	per kWh	Line 1 / (Line 2 * 1000)

Calculation of High Voltage Utility Specific Rate:

(used by ISO in billing of ISO TAC)

				<u>Source</u>
4	SCE HV TRR =	\$922,104,874		29-WholesaleTRRs, Line 13, C2
5	Gross Load =	86,694,873	MWh	32-Gross Load, Line 3
6	High Voltage Utility-Specific Rate =	\$0.0106362	per kWh	Line 4 / (Line 5 * 1000)

Calculation of High Voltage Existing Contracts Access Charge:

				<u>Source</u>
7	HV Wholesale TRR =	\$922,104,874		29-WholesaleTRRs, Line 13, C2
8	Sum of Monthly Peak Demands:	162,442	MW	32-Gross Load, Line 4
9	HV Existing Contracts Access Charge:	\$5.68	per kW	Line 7 / (Line 8 * 1000)

Notes:

1) SCE's wholesale rates are subject to revision upon acceptance by the Commission of a revised TRBAA amount. See Note 1 on 29-WholesaleTRRs.

Derivation of High Voltage and Low Voltage Gross Plant Percentages

Determination of HV and LV Gross Plant Percentages for ISO Transmission Plant in accordance with ISO Tariff Appendix F, Schedule 3, Section 12.

Input cells are shaded yellow

A) Total ISO Plant from Prior Year				HV and LV Components of Total ISO Plant on Lines 2, 3, 7, 8, and 9 are from the Plant Study, performed pursuant to Section 9 of Appendix IX:					
<u>Line</u>	<u>Classification of Facility:</u>	<u>Total ISO Gross Plant</u>	<u>Land</u>	<u>Structures</u>	<u>HV Land</u>	<u>LV Land</u>	<u>HV Structures</u>	<u>LV Structures</u>	<u>HV/LV Transformers</u>
1	Lines:								
2	HV Transmission Lines	\$4,456,571,807	\$207,303,577	\$4,249,268,230	\$207,303,577	\$0	\$4,249,268,230	\$0	\$0
3	LV Transmission Lines	<u>\$97,777,323</u>	<u>\$5,523,117</u>	<u>\$92,254,206</u>	<u>\$0</u>	<u>\$5,523,117</u>	<u>\$0</u>	<u>\$92,254,206</u>	<u>\$0</u>
4	Total Transmission Lines (L 2 + L 3):	\$4,554,349,130	\$212,826,694	\$4,341,522,436	\$207,303,577	\$5,523,117	\$4,249,268,230	\$92,254,206	\$0
5									
6	Substations:								
7	HV Substations (>= 200 kV)	\$3,527,998,671	\$39,632,449	\$3,488,366,223	\$39,632,449	\$0	\$3,488,366,223	\$0	\$0
8	Straddle Subs (Cross 200 kV boundary):	449,562,934	\$190,905	\$449,372,030	\$110,505	\$80,400	\$267,329,959	\$128,270,187	\$53,771,884
9	LV Substations (Less Than 200kV)	<u>41,534,818</u>	<u>\$127,274</u>	<u>\$41,407,544</u>	<u>\$0</u>	<u>\$127,274</u>	<u>\$0</u>	<u>\$41,407,544</u>	<u>\$0</u>
10	Total all Substations (L7 + L8 + L9)	\$4,019,096,424	\$39,950,627	\$3,979,145,797	\$39,742,953	\$207,674	\$3,755,696,182	\$169,677,731	\$53,771,884
11									
12	Total Lines and Substations	\$8,573,445,553	\$252,777,321	\$8,320,668,232	\$247,046,530	\$5,730,791	\$8,004,964,412	\$261,931,936	\$53,771,884
13									
14									
15	Gross Plant that can directly be determined to be HV or LV:								
16		High	Low						
17		<u>Voltage</u>	<u>Voltage</u>	<u>Total</u>	<u>Notes:</u>				
18	Land	\$247,046,530	\$5,730,791	\$252,777,321	From above Line 12				
19	Structures	\$8,004,964,412	\$261,931,936	\$8,266,896,348	From above Line 12				
20	Total Determined HV/LV:	\$8,252,010,942	\$267,662,727	\$8,519,673,669	Sum of lines 18 and 19				
21	Gross Plant Percentages (Prior Year):	96.858%	3.142%		Percent of Total				
22									
23	Straddling Transformers	\$52,082,532	\$1,689,352	\$53,771,884	Straddling Transformers split by Gross Plant Percentages on Line 21				
24	Abandoned Plant (BOY)	\$0	\$0	\$0	Total: 12-Abandoned Plant Line 2, HV: 12-Abandoned Plant Line 5, LV = Total - HV				
25	Total HV and LV Gross Plant for Prior Year	\$8,304,093,474	\$269,352,079	\$8,573,445,553	Line 20 + Line 23 + Line 24				
26									
27									
28	B) Gross Plant Percentage for the Rate Year:								
29									
30		High	Low						
31		<u>Voltage</u>	<u>Voltage</u>	<u>Total</u>	<u>Notes:</u>				
32	Total HV and LV Gross Plant for Prior Year	\$8,304,093,474	\$269,352,079	\$8,573,445,553	Line 25				
33	In Service Additions in Rate Year:	\$508,628,194	\$12,714,512	\$521,342,706	13-Month Average: 16-PlantAdditions, Line 25, Cols 7 (for Total) and 12 (for LV). HV = C7 - C12.				
34	CWIP in Rate Year	<u>\$301,458,237</u>	<u>\$0</u>	<u>\$301,458,237</u>	13 Month Average: 10-CWIP, Line 54, Col. 8				
35	Total HV and LV Gross Plant for Rate Year	\$9,114,179,904	\$282,066,591	\$9,396,246,495	Line 32 + Line 33 + Line 34				
36									
37	HV and LV Gross Plant Percentages:	96.998%	3.002%		Percent of Total on Line 35				
38	(HV Allocation Factor and								
39	LV Allocation Factor)								

Calculation of Forecast Gross Load

<u>Line</u>	<u>MWh</u>	<u>Calculation</u>	<u>Source</u>
1	86,680,005		Note 1
2	14,868		Note 2
3	86,694,873	Line 1 + Line 2	Sum of above
4	162,442		Note 1

Notes:

- 1) Latest SCE approved sales forecast as of April 15 of each year.
- 2) SCE pump load forecast as of April 15 of each year.
- 3) The load forecast used in Schedule 32 shall be for the calendar year in which the rates are to be in effect.

Calculation of SCE Retail Transmission Rates

Retail Base TRR: 1,038,486,906 Source
1-BaseTRR WS, Line 86

Input cells are shaded yellow

1) Derivation of "Total Demand Rate" and "Total Energy Rate":

Line	CPUC Rate Group	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12	Col 13	Col 14
		Note 1		Note 2	Note 3	Note 4	Note 5	Note 6	Note 7	Note 8	Note 8	Note 8			
		Sales Forecast Billing Determinants:													
		= Retail Base TRR * Line1:Col1	Sales Forecast (Not Including Backup)	Sales Forecast (Backup)	NEM Adjustment	Applies to supplemental kW demand charges	Applies to contracted standby kW demand charges	= (Line1:Col3 + Line1:Col4) - Line1:Col5		= Line1:Col2 / (Line1:Col8*10^6)	= Line1:Col2 / ((Line1:Col6 + Line1:Col7)*10^3)	Determinants: to be applied to the Supplemental kW demand charges.			
		Total Allocated costs	GWh	Backup GWh	NEM GWh	Maximum demand - MW	Standby demand - MW	Billing Determinants with NEM Adjustment	Total energy rate \$/kWh	Total demand rate - \$/kW-month	GWh	Maximum demand - MW	Standby demand - MW	Notes	
1a	Domestic	41.72%	\$433,212,667	28,443		1431	0	27,012	\$0.01604						
1b	GS-1	7.77%	\$80,714,288	5,911		11	0	5,900	\$0.01368		5,942	29,137	0		
1b2	GS-1 continued			0.00%				0		\$2.79	\$81,296,621	\$2.79		Notes 9,10	
1c	TC-1	0.05%	\$507,007	58			0	58	\$0.00879						
1d	GS-2	16.51%	\$171,478,077	13,100		60.681649	44,897	36	13,039		\$3.82				
1e	TOU-GS-3	9.11%	\$94,616,059	7,840		67.631295	22,683	70	7,772		\$4.16				
1f	TOU-8-SEC	8.79%	\$91,246,826	8,055		36.841942	20,531		8,018		\$4.44				
1g	TOU-8-PRI	5.83%	\$60,577,083	5,509		23.47401	12,817		5,486		\$4.73				
1h	TOU-8-SUB	6.32%	\$65,658,513	5,868		0.344285	11,894		5,868		\$5.52				
1i	TOU-8-Standby-SEC	0.09%	\$977,522	113	97		325	285	210		\$1.60				
1j	TOU-8-Standby-PRI	0.20%	\$2,109,447	534	243		1,310	1,373	778		\$0.79				
1k	TOU-8-Standby-SUB	0.42%	\$4,312,874	1,672	560		3,309	8,394	2,231		\$0.37				
1l	TOU-PA-2	1.57%	\$16,297,811	1,816		6.077156	8,121	1	1,810		\$2.01				
1m	TOU-PA-3	1.19%	\$12,309,702	1,454		16.06463	4,933	8	1,438		\$2.49				
1n	Street Lighting	0.43%	\$4,469,031	698			0		698	\$0.00640					
1o	---								0						
2	Totals:	100.00%	\$1,038,486,906	81,070	900	1,653	130,819	10,166	80,317						

2) Determination of Demand Rates for Large Power (TOU-8) Rate Groups

Line	CPUC Rate Group	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
		from Line1:Col2	from Line1:Col7	= Col1 / Col2 / 10^3		from Line1:Col2	Note 11	= Col 6 / (Col 7 * 10^3)	
9	CPUC Rate Group	Standby Allocated costs	Standby Demand - MW	Contracted Standby Demand Charge \$/kW		CPUC Rate Group	Non-Standby Allocated Costs	Sum of Standby and Non-Standby Demand	Supplemental kW demand Charge \$/kW
9a	TOU-8-Standby-SEC	\$977,522	285	\$3.43		TOU-8-SEC	\$91,246,826	20,856	4.38
9b	TOU-8-Standby-PRI	\$2,109,447	1,373	\$1.54		TOU-8-PRI	\$60,577,083	14,126	4.29
9c	TOU-8-Standby-SUB	\$4,312,874	8,394	\$0.51		TOU-8-SUB	\$65,658,513	15,203	4.32
9d	---					---			

**Schedule 33
Retail Transmission Rates**

11 3) End-User Transmission Rates

12	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>
13	= Col 2 + Col 3	= Line1:Col2 - Line16:Col3	= Line16:Col7 * Line1:Col7 *10^3		= Line16:Col2 / (Line1:Col8 * 10^6)	= Line16:Col2 / Line1:Col6 / 10^3	from Line9:Col3	= Line16:Col6 * 0.746	= Line16:Col7 * 0.746	
14		Note 12			Note 13		Note 14			
		Revenue associated with Supplemental Demand or Energy								
				Standby Demand Revenue						
15	CPUC Rate Group	Total Revenues			Energy Charge - \$/kWh	Supplemental Demand Charge - \$/kW-month	Contracted standby kW demand Charge - \$/kW-month	Supplemental Demand Charge - \$/HP-month	Contracted standby kW demand Charge - \$/HP-month	Notes
16a	Domestic	\$433,212,667	\$433,212,667		\$0.01604					
16b	GS-1	\$80,714,288	\$80,714,288	\$0	\$0.01368	\$2.79				Note 15
16c	TC-1	\$507,007	\$507,007		\$0.00879					
16d	GS-2	\$171,478,077	\$171,354,553	\$123,524		\$3.82	\$3.43			
16e	TOU-GS-3	\$94,616,059	\$94,375,874	\$240,185		\$4.16	\$3.43			
16f	TOU-8-SEC	\$89,825,978	\$89,825,978			\$4.38				
16g	TOU-8-PRI	\$54,960,456	\$54,960,456			\$4.29				
16h	TOU-8-SUB	\$51,368,281	\$51,368,281			\$4.32				
16i	TOU-8-Standby-SEC	\$2,398,370	\$1,420,848	\$977,522		\$4.38	\$3.43			
16j	TOU-8-Standby-PRI	\$7,726,073	\$5,616,627	\$2,109,447		\$4.29	\$1.54			
16k	TOU-8-Standby-SUB	\$18,603,106	\$14,290,232	\$4,312,874		\$4.32	\$0.51			
16l	TOU-PA-2	\$16,297,811	\$16,296,775	\$1,035		\$2.01	\$2.01	\$1.50		Note 16
16m	TOU-PA-3	\$12,309,702	\$12,289,265	\$20,436		\$2.49	\$2.49			
16n	Street Lighting	\$4,469,031	\$4,469,031		\$0.00640					
16o	---									
17	Totals:	\$1,038,486,906	\$1,030,701,882	\$7,785,023						

19 Notes:

- 1) See Col 9 of Lines 35a, 35b, 35c, etc.
- 2) Sales forecast in total Giga-watt hours usage, represents the customers' total annual GWh usage. Based on same forecast as Gross Load forecast in Schedule 32, Line 1, but at customer meter level. Does not include Backup GWh included in Column 4 (the sum of Column 3 and 4 equals total Sales Forecast).
- 3) Backup GWh represents the amount of electric service that is provided by SCE to a customer who has an onsite generating facility during unscheduled outages of the customer's on-site generator. Only applies to TOU-8-Standby-SEC, TOU-8-Standby-PRI, TOU-8-Standby-SUB Rate Groups.
- 4) Amount of energy included in the sales forecast that is not subject to transmission charges pursuant to the California Public Utilities Commission ("CPUC") approved Net Energy Metering Program.
- 5) Sales forecast pertaining to the sum of monthly maximum supplemental Mega-watt demand, applies to demand charge schedules
- 6) Sales forecast pertaining to the sum of monthly contracted standby Mega-watt demand, applies to standby schedules
- 7) Net Forecast in total Giga-watt hours usage - represents the customers' annual Net GWh, applicable to Non-Demand Charge Schedules such as Residential or Small General Service
- 8) Recorded sales from Sample meters adjusted for population - use to set the total demand rate for the optional time-of-use schedules within the GS-1 rate group
- 9) Line 1b2, Col11 = Line 1b Col9 * Line 1b Col11 * 10^6
- 10) Total demand rate for the optional time-of-use schedules within the GS-1 rate group, Line 1b2:Col10 = Line 1b2:Col12 (which = Line 1b2:Col11 / ((Line1b:Col12 + Line1b:Col13) * 10^3)
- 11) Sum of the TOU-8 Standby and TOU-8 Non-Standby billing determinants in Line1:Col6
- 12) For TOU-8 Rates revenue = Supplemental Demand Charge on Line 9 Column 8 * Maximum Demand on Lines 1 Column 6
- 13) For optional time-of-use schedules within the GS-1 rate group (Line16b:Col6), = (Line1b2:Col11 - Line16:Col3) / Line1b:Col12 / 10^3
- 14) For the non TOU-8-Standby rate group, it is the minimum of Line16i:Col7, or the total demand rate in Line1:Col10
- 15) Applicable to time-of-use schedules within the GS-1 rate group
- 16) Applicable to the optional schedules that contain horse power charge such as PA-1
- 17) GWh for TOU-8-Standby-SEC, TOU-8-Standby-PRI, TOU-8-Standby-SUB Rate Groups are placed in TOU-8-SEC, TOU-8-PRI, TOU-8-SUB Rate Groups respectively.

20
21

22 Rate Schedules in each CPUC Rate Group:

23
24

25 CPUC Rate Group	Rate Schedules included in Each Rate Group in the Rate Effective Period
26a Domestic	Includes Schedules D, D-CARE, D-FERA, TOU-D-T, TOU-EV-1, TOU-D-TEV, DE, D-SDP, D-SDP-O, DM, DMS-1, DMS-2, DMS-3, and DS.
Domestic (con't)	D (Option CPP), D-CARE (Option CPP), TOU-D-Option A, TOU-D-Option B, TOU-D-3
26b GS-1	Includes Schedules GS-1, TOU-EV-3, and TOU-GS-1 (Option A, B, RTP, CPP, Standby, GS-APS, GS-APS-E, and ME).
26c TC-1	Includes Schedules TC-1, Wi-Fi-1, and WTR.
26d GS-2	Includes Schedules GS-2, TOU-EV-4, and TOU-GS-2 (Option A, B, R, RTP, CPP, Standby, GS-APS, GS-APS-E, and ME).
26e TOU-GS-3	Includes Schedules TOU-GS-3-CPP, and TOU-GS-3 (Option A, B, R, RTP, SOP, Standby, TOU-BIP, GS-APS, GS-APS-E, and ME).
26f TOU-8-SEC	Includes Schedules TOU-8-CPP, TOU-8-RBU, and TOU-8 (Option A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
26g TOU-8-PRI	Includes Schedules TOU-8-CPP, TOU-8-RBU, and TOU-8 (Option A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
26h TOU-8-SUB	Includes Schedules TOU-8-CPP, TOU-8-RBU, and TOU-8 (Option A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
26i TOU-8-Standby-SEC	Includes Schedules TOU-8-Standby (Option B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
26j TOU-8-Standby-PRI	Includes Schedules TOU-8-Standby (Option A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
26k TOU-8-Standby-SUB	Includes Schedules TOU-8-Standby (Option A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
26l TOU-PA-2	Includes Schedules PA-1, PA-2, TOU-PA-ICE, and TOU-PA-2 (Option A, B, RTP, SOP-1, SOP-2, CPP, Standby, and AP-I).
26m TOU-PA-3	Includes Schedules TOU-PA-3-CPP, and TOU-PA-3 (Option A, B, RTP, SOP-1, SOP-2, Standby, and AP-I).
26n Street Lighting	Includes Schedules AL-2, AL-2-B, DWL, LS-1, LS-2, LS-3, LS-3-B, and OL-1.
26o ---	

27

28

29 Recorded 12-CP Load Data by Rate Group (MW)

30	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	
31				= Line35:(Col1+Col2 +Col3)/3			from Line1:Col3 Note 17	from Line1:Col4	= Col 7 + Col 8	Line35:(Col4*Col5 /Col6*Col9)	= Line35:(Col10/ total of Col10)	
32										MW		
33		12-CP MW				Recorded GWh (Average)	Standby Adjusted Sales Forecast - GWh	Backup GWh	Total Sales Forecast - GWh	Loss Adjusted Average 12-CP	12-CP Allocation factors	
34	CPUC Rate Group	2014	2015	2016	3-Year Average	Line losses						
35a	Domestic	68,997	70,775	70,601	70,124	1.0905	29,557	28,443	0	28,443	73,588	41.72%
35b	GS-1	12,145	12,889	12,483	12,506	1.0909	5,881	5,911	0	5,911	13,711	7.77%
35c	TC-1	85	83	82	83	1.0917	61	58	0	58	86	0.05%
35d	GS-2	30,524	30,626	29,452	30,201	1.0905	14,811	13,100	0	13,100	29,128	16.51%
35e	TOU-GS-3	16,197	16,184	15,947	16,109	1.0900	8,565	7,840	0	7,840	16,072	9.11%
35f	TOU-8-SEC	15,190	14,907	14,707	14,935	1.0909	8,586	8,168	0	8,168	15,500	8.79%
35g	TOU-8-PRI	9,949	9,882	9,684	9,838	1.0644	6,150	6,043	0	6,043	10,290	5.83%
35h	TOU-8-SUB	11,843	10,984	11,021	11,283	1.0315	7,868	7,540	0	7,540	11,153	6.32%
35i	TOU-8-Standby-SEC	101	143	155	133	1.0911	85	0	97	97	166	0.09%
35j	TOU-8-Standby-PRI	294	311	373	326	1.0645	236	0	243	243	358	0.20%
35k	TOU-8-Standby-SUB	587	631	714	644	1.0316	508	0	560	560	733	0.42%
35l	TOU-PA-2	3,189	3,024	2,748	2,987	1.0910	2,138	1,816	0	1,816	2,768	1.57%
35m	TOU-PA-3	1,846	1,833	1,891	1,857	1.0896	1,406	1,454	0	1,454	2,091	1.19%
35n	Street Lighting	812	660	685	719	1.0938	723	698	0	698	759	0.43%
35o	---											
36	Totals:	171,759	172,833	170,545	171,746		86,575	81,070	900	81,970	176,404	100.00%

Determination of Unfunded Reserves

Line	Reference	Col 1 Prior Year BOY Unfunded Reserves	Col 2 Prior Year EOY Unfunded Reserves	Col 3 Prior Year Average Unfunded Reserves
1				
2				
3				Prior Year Amount
4				
5				
6	(Line 17, Col 2)			-\$10,717,922
7	(Line 17, Col 3)			-\$10,860,907
8				
9				
10				
11				
12	Description of Issue			
13	Unfunded Reserves			
14	Provision for Injuries and Damages (Line 24)	-\$6,902,253	-\$6,450,199	-\$6,676,226
15	Provision for Vac/Sick Leave (Line 29)	-\$3,535,741	-\$3,702,212	-\$3,618,976
16	Provision for Supplemental Executive Retirement Plan (Line 36)	-\$565,897	-\$565,511	-\$565,704
17	Totals: (Line 14 + Line 15 + Line 16)	-\$11,003,891	-\$10,717,922	-\$10,860,907
18				
19	Calculations			
20				Average BOY/EOY
21	Injuries and Damages	BOY	EOY	
22	Injuries and Damages - Acct. 2251010 Company Records - Input (Negative)	-\$114,763,336	-\$107,247,069	
23	Transmission Wages and Salary Allocation Factor (27-Allocators, Line 9)	6.0143%	6.0143%	
24	ISO Transmission Rate Base Applicable (Line 22 x Line 23)	-\$6,902,253	-\$6,450,199	-\$6,676,226
25				
26	Vacation Leave			
27	Vacation and Personal Time Accruals - Acct. 2350080 Company Records - Input (Negative)	-\$58,788,541	-\$61,556,455	
28	Transmission Wages and Salary Allocation Factor (27-Allocators, Line 9)	6.0143%	6.0143%	
29	ISO Transmission Rate Base Applicable (Line 27 x Line 28)	-\$3,535,741	-\$3,702,212	-\$3,618,976
30				
31	Supplemental Executive Retirement Plan			
32	Supplemental Executive Retirement Plan Company Records - Input (Negative)	-\$18,818,284	-\$18,805,421	
33	Times: Applicable Rate Base Percentage	50%	50%	
34	Sub-Total Supplemental Executive Retirement Plan (Line 32 x Line 33)	-\$9,409,142	-\$9,402,711	
35	Transmission Wages and Salary Allocation Factor (27-Allocators, Line 9)	6.0143%	6.0143%	
36	ISO Transmission Rate Base Applicable (Line 34 x Line 35)	-\$565,897	-\$565,511	-\$565,704