

Attachment 5

TO2018 True Up TRR 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	\$1,093,435,658
Incremental Forecast Period TRR	\$121,563,826
True-Up Adjustment	-\$184,027,517
Cost Adjustment	<u>\$0</u>
Base TRR (retail)	\$1,030,971,967

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

Line	Notes	FERC Form 1 Reference or Instruction	2018 Value
RATE BASE			
1	ISO Transmission Plant	6-PlantInService, Line 19	\$8,787,478,998
2	General Plant + Electric Miscellaneous Intangible Plant	6-PlantInService, Line 27	\$247,339,385
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	\$16,060,255
6	Prepayments	13-WorkCap, Line 36	\$8,289,749
7	Cash Working Capital	(Line 66 + Line 67) / 8	\$34,370,607
8	Working Capital	Line 5 + Line 6 + Line 7	\$58,720,611
<u>Accumulated Depreciation Reserve Balances</u>			
9	Transmission Depreciation Reserve - ISO	Negative amount	8-AccDep, Line 13, Col. 12
10	Distribution Depreciation Reserve - ISO	Negative amount	8-AccDep, Line 16, Col. 5
11	General + Intangible Plant Depreciation Reserve	Negative amount	8-AccDep, Line 26
12	Accumulated Depreciation Reserve		Line 9 + Line 10 + Line 11
13	Accumulated Deferred Income Taxes	Negative amount	9-ADIT, Line 5, Col. 2
14	CWIP Plant		14-IncentivePlant, L 12, Col 1
15	Other Regulatory Assets/Liabilities		23-RegAssets, Line 14
16	Unfunded Reserves		34-UnfundedReserves, Line 6
17	Network Upgrade Credits	Negative amount	22-NUCs, Line 4
18	Rate Base		L1 + L2 + L3 + L4 + L8 + L12 + L13 + L14+ L15+ L16 + L17
OTHER TAXES			
19	Sub-Total Local Taxes	FF1 263.1, Row 30, Column i	FF1 263 or 263.x (see note to left)
20	Transmission Plant Allocation Factor		27-Allocators, Line 18 22
21	Property Taxes		Line 19 * Line 20
22	Payroll Taxes Expense		
23	FICA		Line 24 + Line 25+ Line 26
24	Fed Ins Cont Amt -- Current	FF1 263, Row 6, Column i	FF1 263 or 263.x (see note to left)
25	FICA/OASDI Emp Incntv.	FF1 263, Row 7, Column i	FF1 263 or 263.x (see note to left)
26	FICA/HIT Emp Incntv.	FF1 263, Row 8, Column i	FF1 263 or 263.x (see note to left)
27	CA SUI Current	FF1 263, Row 21, Column i	FF1 263 or 263.x (see note to left)
28	Fed Unemp Tax Act- Current	FF1 263, Row 9, Column i	FF1 263 or 263.x (see note to left)
29	CADI Vol Plan Assess	FF1 263.1, Row 1, Column i	FF1 263 or 263.x (see note to left)
30	SF Pysl Exp Tx - SCE	FF1 263, Row 39, Column i	FF1 263 or 263.x (see note to left)
31	Total Electric Payroll Tax Expense		Line 23 + (Line 27 to Line 30)
32	Capitalized Overhead portion of Electric Payroll Tax Expense		26-TaxRates, Line 16
33	Remaining Electric Payroll Tax Expense to Allocate		Line 31 - Line 32
34	Transmission Wages and Salaries Allocation Factor		27-Allocators, Line 5 9
35	Payroll Taxes Expense		Line 33 * Line 34
36	Other Taxes	Note 1	Line 21 + Line 35

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Cells shaded yellow are input cells

Formula Transmission Rate

Line	Notes	FERC Form 1 Reference or Instruction	2018 Value
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RETURN AND CAPITALIZATION CALCULATIONS

Line	Notes	FERC Form 1 Reference or Instruction	2018 Value
<u>Debt</u>			
37	Settlement Term #2: Revised Lines 37-42 to "be the equivalent of Lines 36-41 of Original Formula Rate" pursuant to settlement term #2	5-ROR-1, Line 8 42	\$12,321,721,005
38		5-ROR-1, Line 16 Line 37 * Line 39	\$575,757,146
39		5-ROR-1, Line 17 5-ROR-3, Line 40	4.6727%
<u>Preferred Stock</u>			
40		5-ROR-1, Line 21 46	\$2,187,625,314
41		5-ROR-1, Line 25 Line 40 * Line 42	\$125,126,354
42		5-ROR-1, Line 26 5-ROR-4, Line 9	5.7197%
<u>Equity</u>			
43		5-ROR-1, Line 32	\$12,686,938,195
44		Line 37 + Line 40 + Line 43	\$27,196,284,514
<u>Capital Percentages</u>			
45		Line 37 / Line 44	45.3066%
46		Line 40 / Line 44	8.0438%
47		Line 43 / Line 44	46.6495%
		Line 45 + Line 46+ Line 47	100.0000%
<u>Annual Cost of Capital Components</u>			
48		Line 39	6727%
49		Line 42	7197%
50	Note 2	SCE Return on Equity	11.20% 10.80%
<u>Calculation of Cost of Capital Rate</u>			
51		Line 39 * Line 45	2.1170%
52		Line 42 * Line 46	0.4601%
53		Line 47 * Line 50	5.2247%
54		Line 51 + Line 52 + Line 53	7.8019%
55	Used for Tax calculation	Line 52 + Line 53	5.6848%
56		Line 18 * Line 54	\$454,548,093

INCOME TAXES

57		26-Tax Rates, Line 1	21.0000%
58		26-Tax Rates, Line 8	8.8400%
59	= F + [S * (1 - F)]	(L57 + L58) - (L57 * L58)	27.9836%
<u>Calculation of Credits and Other:</u>			
60	Note 3	Settlement Agreement, Term #15 See workpaper for derivation. Includes legacy + \$200 from 1980s.	-\$27,502,331
61	Note 3		-\$520,000
62	Note 3		\$2,606,000
63		Line 60 + Line 61+ Line 62	-\$25,416,331
64		Formula on Line 65	\$94,807,998
65			

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

\$3,610,018

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Cells shaded yellow are input cells

Formula Transmission Rate

Line	Notes	FERC Form 1 Reference or Instruction	2018 Value
PRIOR YEAR TRANSMISSION REVENUE REQUIREMENT			
<u>Component of Prior Year TRR:</u>			
66		19-OandM, Line 91, Col. 6	\$68,175,047
67		20-AandG, Line 23	\$206,789,807
68		22-NUCs, Line 8	\$5,429,238
69		17-Depreciation, Line 70	\$245,884,460
70		12-AbandonedPlant, Line 1	\$0
71		Line 36	\$63,673,657
72	Negative amount	21-Revenue Credits, Line 44	-\$58,173,791
73		Line 56	\$454,548,093
74		Line 64	\$94,807,998
75	Gain negative, loss positiv	11-PHFU, Line 10	\$0
76		23-RegAssets, Line 16	\$0
77		15-IncentiveAdder, Line 14	\$26,604,827
77a	Note 5	Negative of Line 77	-\$26,604,827
78		Sum of Lines 66 to 77	\$1,081,134,509
79		L 78 * FF Factor (28-FFU, L 5)	\$9,994,007
80		L 78 * U Factor (28-FFU, L 5)	\$2,307,141
81		Line 78 + Line 79+ Line 80	\$1,093,435,658

TOTAL BASE TRANSMISSION REVENUE REQUIREMENT

Calculation of Base Transmission Revenue Requirement

82		Line 81	\$1,093,435,658
83		2-IFPTRR, Line 82	\$121,563,826
84		3-TrueUpAdjust, Line 30	-\$184,027,517
85	Note 4		\$0
86	For Retail Purposes	L 82 + L 83 + L 84 + L 85	\$1,030,971,967
<u>Wholesale Base Transmission Revenue Requirement</u>			
87		Line 86	\$1,030,971,967
88		25-WholesaleDifference, Line 45	-\$4,976,044
89		Line 87 + Line 88	\$1,025,995,923

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: Settlement term 1.11.2 and 1.11.3
- Settlement term 3: New Note 5.
Settlement term 3: Revised Note 2.
The TO2018 Settlement Return on Common Equity shall be set at 11.2% for the term of the Settlement. Includes Base ROE, 50 basis point ISO adder, and project-specific ROE adders awarded to SCE (Tehachapi – 1.25%, Devers to Colorado River – 1.00%, Rancho Vista – 0.75%). Project adders are equivalent to an approximate 0.78% increase in SCE's overall Base ROE. If the Commission determines, in an order not subject to rehearing or appeal, that SCE is not entitled to the incentive adder for CAISO participation, SCE will reduce its ROE to 10.7% retroactive to January 1, 2018 for the period the TO2018 settlement is in effect.
- No change in Amortization of Excess Deferred Tax Liability or South Georgia Income Tax Adjustment "Credits and Other" terms 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. The Unprotected-Property Related net Excess Deferred Income Tax amount of \$60,466,608 shall be fully amortized over the four-year period of 2018 through 2021 and reflected in Line 60 of Schedule 1. The Unprotected-Non-Property Related net Excess Deferred Income Tax amount of \$4,549,634 shall be fully amortized in 2018 and reflected in Line 60 of Schedule 1.
- Prior Year Incentive Adder Reversal backs out the revenue requirement associated with any project specific Incentive Adders (line 77). Applicable pursuant to settlement under ER18-169.

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:	2.117%	1-BaseTRR, Line 51
13	Wtd. Cost of Common + Pref. Stock:	5.685%	1-BaseTRR, Line 55
14	Composite Tax Rate:	27.984%	1-BaseTRR, Line 59
15			
16	AFCRCWIP =	10.011%	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:	\$8,787,478,998		6-PlantInService, Line 13
28	Distribution Plant - ISO:	\$0		6-PlantInService, Line 16
29	Transmission Dep. Reserve - ISO:	\$1,754,739,490		8-AccDep, Line 13
30	Distribution Dep. Reserve - ISO:	\$0		8-AccDep, Line 16
31	Net Plant:	\$7,032,739,508		(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:	\$442,100,547		10-CWIP, L 13 C1
38	AFCRCWIP:	10.011%		Line 16
39	Direct CWIP Related Costs:	\$44,258,010		Line 37 * Line 38
40				

2) CWIP ROE Adder costs:

42	IREF:	\$6,478		15-IncentiveAdder, Line 3
43				
44	Tehachapi CWIP Amount:	\$156,282		10-CWIP, Line 13
45	Tehachapi ROE Adder %:	1.25%		15-IncentiveAdder, Line 5
46	Tehachapi ROE Adder \$:	\$1,265		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				

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

54	CWIP Related Costs wo FF&U:	\$44,259,275		Line 39 + Line 46 + Line 50
55	FF&U Expenses:	<u>\$503,582</u>		(28-FFU, L5 FF Factor + U Factor) * L54
56	CWIP Related Costs with FF&U:	\$44,762,857		Line 54 + Line 55
57				

Schedule 2
Incremental Forecast Period TRR

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

58 **b) Determination of AFCR:**

59			
60	CWIP Related Costs wo FF&U:	\$44,259,275	Line 54
61	Prior Year TRR wo FF&U:	\$1,081,134,509	1-BaseTRR, Line 78
62	Prior Year TRR wo CWIP Related Costs:	\$1,036,875,234	Line 61 - Line 60
63	75% of O&M and A&G in Prior Year TRR:	\$206,223,640	(1-BaseTRR, Line 66 + Line 67) * .75
64	AFCR:	11.811%	(Line 62 - Line 63) / Line 31
65			

66 **2) Calculation of IFP TRR**

67			
68			Reference
69	Forecast Plant Additions:	\$611,468,922	16-PlantAdditions, L 25, C10
70	AFCR:	11.811%	Line 64
71	AFCR * Forecast Plant Additions:	\$72,221,875	Line 69 * Line 70
72			
73	Forecast Period Incremental CWIP:	\$479,223,757	10-CWIP, L 54, C8
74	AFCRCWIP:	10.011%	Line 16
75	AFCRCWIP * FP Incremental CWIP:	\$47,974,358	Line 73 * Line 74
76			
77	IFPTRR without FF&U:	\$120,196,233	Line 71 + Line 75
78			
79	Franchise Fees Expense:	\$1,111,094	Line 77 * FF (from 28-FFU, L 5)
80	Uncollectibles Expense:	\$256,499	Line 77 * U (from 28-FFU, L 5)
81			
82	Incremental Forecast Period TRR:	\$121,563,826	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	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	
1	True Up TRR: \$1,078,540,190	Source: From 4-TUTRR, Line 46								
2										
3										
4	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	
5										
6	= Include an additional \$277,812 per settlement Term 3.9 (Error Correction), in addition to \$7,552 unrelated to settlement.									
7										
8										
9										
10	Month	Year	True Up TRR	Actual Retail Base Transmission Revenues	Adjustments and Shortfall/Excess Revenue In Previous Annual Update	Monthly Excess (-) or Shortfall (+) in Revenue	Monthly Interest Rate	Cumulative Excess (-) or Shortfall (+) in Revenue wo Interest for Current Month	Interest for Current Month	Cumulative Excess (-) or Shortfall (+) in Revenue with Interest
11	December	2017	---	---	-\$98,220,575	-\$98,220,575	---	-\$98,220,575	---	-\$98,220,575
12	January	2018	\$89,878,349	\$95,104,408	-\$285,364	-\$5,511,423	0.35%	-\$103,731,998	-\$353,417	-\$104,085,415
13	February	2018	\$89,878,349	\$79,602,859		\$10,275,490	0.35%	-\$93,809,925	-\$346,317	-\$94,156,242
14	March	2018	\$89,878,349	\$86,953,151		\$2,925,198	0.35%	-\$91,231,043	-\$324,428	-\$91,555,471
15	April	2018	\$89,878,349	\$115,273,322		-\$25,394,973	0.37%	-\$116,950,444	-\$385,736	-\$117,336,180
16	May	2018	\$89,878,349	\$94,769,645		-\$4,891,296	0.37%	-\$122,227,475	-\$443,193	-\$122,670,668
17	June	2018	\$89,878,349	\$97,599,706		-\$7,721,357	0.37%	-\$130,392,025	-\$468,166	-\$130,860,191
18	July	2018	\$89,878,349	\$121,694,630		-\$31,816,281	0.39%	-\$162,676,472	-\$572,396	-\$163,248,869
19	August	2018	\$89,878,349	\$172,990,909		-\$83,112,560	0.39%	-\$246,361,429	-\$798,740	-\$247,160,169
20	September	2018	\$89,878,349	\$58,038,787		\$31,839,562	0.39%	-\$215,320,607	-\$901,838	-\$216,222,445
21	October	2018	\$89,878,349	\$118,998,498		-\$29,120,148	0.41%	-\$245,342,593	-\$946,208	-\$246,288,801
22	November	2018	\$89,878,349	\$63,930,368		\$25,947,982	0.41%	-\$220,340,820	-\$956,591	-\$221,297,410
23	December	2018	\$89,878,349	\$98,014,769	-\$3,416,582	-\$11,553,002	0.41%	-\$232,850,412	-\$931,003	-\$233,781,415

24 4) True Up Adjustment

25	Shortfall or Excess Revenue in Prior Year:	-\$233,781,415	No adjustment appropriate for the transition to the TO2019A (This model is the Second Formula Rate Model)
26	Previous Annual Update TU Adjustment:	\$ (62,401,720)	Previous Annual Update Schedule 3, Line 30
27	TU Adjustment without Projected Interest	-\$171,379,695	Line 26 - Line 27
28	Projected Interest to Rate Year Mid-Point:	-\$12,647,822	Line 28 * (Line 23, Column 6) * 18 months
29	True Up Adjustment:	-\$184,027,517	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.

35 Reflects all "Second Formula Rate" settlement terms.

Schedule 3
True Up Adjustment

Cumulative overcollection through the end of 2018
Reflects all "Second Formula Rate" settlement terms.

TO2020 Annual Update
Settlement Model
2018 True Up TRR

37 Partial Year TRR Attribution Allocation Factors:

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

From Schedule 3, Line 30 of TO2019 Settlement Working Spreadsheet (Document #6)

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 Year	Actual Retail Base					Monthly Total Retail	
60		Transmission	Other		Public			
61				Generation	Purpose	Other		
62	Month	Revenues	Transmission	Distribution	Generation	Purpose	Other	Revenue
63	Jan	\$95,104,408	-\$15,436,886	\$394,408,448	\$356,363,745	\$35,830,374	\$41,895,109	\$908,165,198
64	Feb	\$79,602,859	-\$13,553,246	\$327,720,360	\$305,936,497	\$27,202,410	\$28,130,529	\$755,039,409
65	Mar	\$86,953,151	-\$14,725,232	\$362,176,856	\$339,214,374	\$27,577,648	\$30,890,045	\$832,086,841
66	Apr	\$115,273,322	-\$19,629,778	\$296,971,625	\$431,151,607	\$40,167,600	\$40,809,099	\$904,743,475
67	May	\$94,769,645	-\$15,898,513	\$384,866,022	\$356,635,537	\$32,028,188	\$32,742,754	\$885,143,633
68	Jun	\$97,599,706	-\$13,678,335	\$394,530,690	\$518,975,289	\$28,864,997	\$34,972,170	\$1,061,264,517
69	Jul	\$121,694,630	-\$13,103,769	\$496,963,837	\$792,271,882	\$48,301,704	\$43,104,256	\$1,489,232,541
70	Aug	\$172,990,909	-\$20,821,053	\$713,976,104	\$1,001,538,305	\$96,406,085	\$61,391,969	\$2,025,482,319
71	Sep	\$58,038,787	-\$7,370,129	\$252,619,010	\$193,609,091	\$20,049,987	\$21,083,038	\$538,029,783
72	Oct	\$118,998,498	-\$14,529,867	\$244,707,477	\$406,478,676	\$39,686,155	\$41,418,277	\$836,759,216
73	Nov	\$63,930,368	-\$9,709,464	\$319,088,082	\$257,129,554	\$20,413,846	\$22,443,948	\$673,296,333
74	Dec	\$98,014,769	-\$9,972,890	\$407,434,974	\$377,906,595	\$33,165,012	\$33,501,762	\$940,050,222
75	Totals:	\$1,202,971,052	-\$168,429,163	\$4,595,463,485	\$5,337,211,153	\$449,694,006	\$432,382,957	\$11,849,293,489

"Total Sales to Ultimate Consumers" from FERC Form 1 Page 300, Line 10, Column b: \$11,849,293,489

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	\$8,666,375,347
2	General + Elec. Misc. Intangible Plant	BOY/EOY Avg.		6-PlantInService, Line 24	\$250,784,299
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	\$14,561,674
6	Prepayments	13-Month Avg.		13-WorkCap, Line 33	\$11,258,427
7	Cash Working Capital	1/8 (O&M + A&G)		1-Base TRR Line 7	<u>\$34,370,607</u>
8	Working Capital			Line 5 + Line 6 + Line 7	\$60,190,707
<u>Accumulated Depreciation Reserve Amounts</u>					
9	Transmission Depreciation Reserve - ISO	13-Month Avg.	Negative amount	8-AccDep, Line 14, Col. 12	-\$1,696,750,195
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>-\$96,157,605</u>
12	Accumulated Depreciation Reserve			Line 9 + Line 10 + Line 11	-\$1,792,907,800
13	Accumulated Deferred Income Taxes	BOY/EOY Avg.		9-ADIT, Line 15	-\$1,646,877,467
14	CWIP Plant	13-Month Avg.		14-IncentivePlant, L 12, C2	\$297,221,934
15	Network Upgrade Credits	BOY/EOY Avg.	Negative amount	22-NUCs, Line 7	-\$78,952,573
16	Unfunded Reserves			34-UnfundedReserves, Line 7	-\$86,758,064
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	\$5,679,018,539

B) Return on Capital

<u>Line</u>					
19	Cost of Capital Rate		See Instruction 1	Instruction 1, Line j	7.8019%
20	Return on Capital: Rate Base times Cost of Capital Rate			Line 18 * Line 19	\$443,070,023

C) Income Taxes

21	Income Taxes = $(((RB * ER) + D) * (CTR / (1 - CTR))) + CO / (1 - CTR)$				\$91,558,175
Where:					
22	RB = Rate Base			Line 18	\$5,679,018,539
23	ER = Equity ROR inc. Com. and Pref. Stock	Instruction 1		Instruction 1, Line k	5.6848%
24	CTR = Composite Tax Rate			1-Base TRR L 59	27.9836%
25	CO = Credits and Other			1-Base TRR L 63	-\$25,416,331
26	D = Book Depreciation of AFUDC Equity Book Basis			1-Base TRR L 65	\$3,610,018

D) True Up TRR Calculation

27	O&M Expense	1-Base TRR L 66	\$68,175,047
28	A&G Expense	1-Base TRR L 67	\$206,789,807
29	Network Upgrade Interest Expense	1-Base TRR L 68	\$5,429,238
30	Depreciation Expense	1-Base TRR L 69	\$245,884,460
31	Abandoned Plant Amortization Expense	1-Base TRR L 70	\$0
32	Other Taxes	1-Base TRR L 71	\$63,673,657
33	Revenue Credits	1-Base TRR L 72	-\$58,173,791
34	Return on Capital	Line 20	\$443,070,023
35	Income Taxes	Line 21	\$91,558,175
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	\$0
38	Total without True Up Incentive Adder	Sum Line 27 to Line 37	\$1,066,406,616
39	True Up Incentive Adder	15-IncentiveAdder L 20	\$26,918,854
39a	True Up Incentive Adder Reversal	Negative of Line 39, Note 1	-\$26,918,854
40	True Up TRR without Franchise Fees and Uncollectibles Expense included:	Line 38 + Line 39 + Line 39a	\$1,066,406,616

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

<u>Line</u>			Reference:
41	True Up TRR wo FF:	\$1,066,406,616	Line 40
42	Franchise Fee Factor:	0.924%	28-FFU, L 5
43	Franchise Fee Expense:	\$9,857,863	Line 41 * Line 42
44	Uncollectibles Expense Factor:	0.213%	28-FFU, L 5
45	Uncollectibles Expense:	\$2,275,712	Line 43 * Line 44
46	True Up TRR:	\$1,078,540,190	L 41 + L 43 + L 45

Settlement term 3: New Line 39a reversing Line 39 Incentive Adder. Will not apply to True Up Years of 2016 and 2017 as the True Up TRR for those years will be calculated pursuant to the Original Formula Rate (workpaper).

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	11.20%	See Line e below	Jan 1, 2018	Dec 31, 2018	365
b ROE start of Prior Year	11.20%	See Line f below			
c				Total days in year:	365
d Wtd. Avg. ROE in Prior Year	11.20%	((Line a ROE * Line a days) + (Line b ROE * Line b days)) / Total Days in Year			
Commission Decisions approving ROE:					
		11.2% for 2018 True Up TRR pursuant to Settlement Term #3			
		<u>Reference:</u>			
e End of Prior Year		Second Formula Rate ER18-169 Settlement			
f Beginning of Prior Year		Second Formula Rate ER18-169 Settlement			
	<u>Percentage</u>	<u>Reference:</u>			
g Wtd. Cost of Long Term Debt	2.1170%	1-Base TRR L 51			
h Wtd. Cost of Preferred Stock	0.4601%	1-Base TRR L 52			
i Wtd. Cost of Common Stock	5.2247%	1-Base TRR L 47 * Line d			
j Cost of Capital Rate	7.8019%	Sum of Lines g to i			

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

	<u>Percentage</u>	<u>Reference:</u>
k	5.6848%	Sum of Lines h to i

Notes:

1) True Up TRR Incentive Adder Reversal backs out the revenue requirement associated with any project-specific Incentive Adders (line 39) for True Up Years during the term of the Second Formula Rate. Applicable pursuant to settlement under ER18-169.

Calculation of Components of Cost of Capital Rate

Cells shaded yellow are input cells.

	Notes	FERC Form 1 Reference or Instruction	2018 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	\$12,042,889,011
2	Less Reacquired Bonds -- Account 222	13-month avg. 5-ROR-2, Line 2	-\$9,230,769
2a	Long Term Debt Advances from Associated Companies -- Account 223	13-month avg. 5-ROR-2, Line 2a	\$0
3	Other Long Term Debt -- Account 224	13-month avg. 5-ROR-2, Line 3	\$288,062,764
4	Not Used		
5	Not Used		
6	Not Used		
7	Not Used		
8	Long Term Debt Amount		\$12,321,721,005
<u>Calculation of Cost of Long-Term Debt</u>			
9	Interest on Long-Term Debt -- Account 427	FF1 117.62c	\$549,367,056
10	Amortization of Debt Discount and Expense -- Account 428	FF1 117.63c	\$11,795,239
11	Amortization of Loss on Reacquired Debt -- Account 428.1	FF1 117.64c	\$14,594,851
12	Less Amortization of Premium on Debt -- Account 429	Enter negative FF1 117.65c	\$0
13	Less Amort. of Gain on Reacquired Debt -- Account 429.1	Enter negative FF1 117.66c	\$0
13a	Interest on Debt to Associated Companies -- Account 430	FF1 117.67c	\$0
14	Not Used		
15	Not Used		
16	Cost of Long Term Debt	Sum of Lines 9 to 13a	\$575,757,146
17	Long-Term Debt Cost Percentage	Line 16 / Line 8	4.6727%
<u>Calculation of Preferred Stock Amount</u>			
18	Preferred Stock Amount -- Account 204	13-month avg. 5-ROR-2, Line 18	\$2,245,054,950
19	Unamortized Issuance Costs	13-month avg. 5-ROR-2, Line 19	-\$38,577,832
20	Net Gain (Loss) From Purchase and Tender Offers	13-month avg. 5-ROR-2, Line 20	-\$18,851,804
21	Preferred Stock Amount	Sum of Lines 18 to 20	\$2,187,625,314
<u>Calculation of Cost of Preferred Stock</u>			
22	Cost of Preferred Stock -- Account 437	Enter positive FF1 118.29c	\$120,926,594
23	Amortization of Net Gain (Loss) From Purchases and Tender Offers	See Note 3	\$779,760
24	Amortization Issuance Costs	See Note 4	\$3,420,000
25	Cost of Preferred Stock -- Account 437	Sum of Lines 22 to 24	\$125,126,354
26	Preferred Stock Cost Percentage	Line 25 / Line 21	5.7197%
<u>Calculation of Common Stock Equity Amount</u>			
27	Total Proprietary Capital	13-month avg. 5-ROR-2, Line 27	\$14,889,645,707
28	Less Preferred Stock Amount -- Account 204	Same as L 18, but negative 5-ROR-2, Line 18	-\$2,245,054,950
29	Minus Net Gain (Loss) From Purchase and Tender Offers	Same as L 20, but reverse sign See Note 5	\$18,851,804
30	Less Unappropriated Undist. Sub. Earnings -- Acct. 216.1	13-month avg. 5-ROR-2, Line 30	\$2,603,863
31	Less Accumulated Other Comprehensive Loss -- Account 219	13-month avg. 5-ROR-2, Line 31	\$20,891,771
32	Common Stock Equity Amount	Sum of Lines 27 to 31	\$12,686,938,195

ROR-1 equivalent to TO12 (as updated for TO2020) pursuant to settlement term #2

Notes:

- 1) Not Used
- 2) Not Used
- 3) Total annual amortization associated with events listed in note 10 on 5-ROR-2.
- 4) Total annual amortization associated with preferred equity issues listed in note 9 on 5-ROR-2.
- 5) Negative of Line 20, charge to common equity reversed for ratemaking.

Calculation of 13-Month Average Capitalization Balances

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	\$12,042,889,011	\$10,717,971,429	\$10,717,971,429	\$10,678,685,714	\$11,928,685,714	\$11,771,185,714	\$11,771,185,714	\$12,421,185,714	\$12,421,185,714	\$12,831,900,000	\$12,831,900,000	\$12,831,900,000	\$12,831,900,000	\$12,831,900,000	\$12,801,900,000
Reacquired Bonds -- Account 222 (Note 2): enter - of FF1															
2	-\$9,230,769	-\$30,000,000	-\$30,000,000	-\$30,000,000	-\$30,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Long Term Debt Advances from Associated Companies (Note 2a):															
2a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Long Term Debt -- Account 224 (Note 3):															
3	\$288,062,764	\$306,557,633	\$306,552,164	\$306,546,671	\$306,541,155	\$276,535,616	\$276,530,053	\$276,524,467	\$276,518,857	\$276,513,224	\$276,507,567	\$276,501,886	\$276,496,181	\$306,490,453	
4	NOT USED														
5	NOT USED														
6	NOT USED														
7	NOT USED														
Preferred Stock Amount -- Account 204 (Note 8):															
18	\$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	\$2,245,054,950	\$2,245,054,950
Unamortized Issuance Costs (Note 9): enter negative															
19	-\$38,577,832	-\$40,285,039	-\$40,000,504	-\$39,715,970	-\$39,431,435	-\$39,146,901	-\$38,862,366	-\$38,577,832	-\$38,293,298	-\$38,008,763	-\$37,724,229	-\$37,439,694	-\$37,155,160	-\$36,870,625	
Net Gain (Loss) From Purchase and Tender Offers Note 10):															
20	-\$18,851,804	-\$19,365,634	-\$19,279,996	-\$19,194,357	-\$19,108,719	-\$19,023,081	-\$18,937,442	-\$18,851,804	-\$18,766,165	-\$18,680,527	-\$18,594,888	-\$18,509,250	-\$18,423,611	-\$18,337,973	
Total Proprietary Capital (Note 11):															
27	\$14,889,645,707	\$14,671,722,293	\$14,805,532,521	\$14,678,804,648	\$14,747,684,711	\$14,822,659,312	\$14,926,004,852	\$14,945,615,586	\$15,088,539,996	\$15,037,705,407	\$15,216,742,736	\$15,356,052,717	\$15,482,514,949	\$13,785,814,466	
Unappropriated Undist. Sub. Earnings -- Acct. 216.1 (Note 12): enter - of FF1															
30	\$2,603,863	\$2,603,481	\$2,603,481	\$2,603,481	\$2,603,735	\$2,603,945	\$2,603,951	\$2,603,951	\$2,603,951	\$2,604,008	\$2,604,008	\$2,604,008	\$2,604,108	\$2,604,107	
Accumulated Other Comprehensive Loss -- Account 219 (Note 13): enter - of FF1															
31	\$20,891,771	\$18,721,643	\$22,844,512	\$22,376,228	\$20,127,638	\$21,827,335	\$21,354,352	\$21,278,442	\$20,805,458	\$20,332,475	\$20,256,565	\$19,783,581	\$19,310,598	\$22,574,194	

**ROR-2 equivalent to TO12
(using TO2020 data for this TO2020 Spreadsheet)
pursuant to settlement term #2**

ROR-3 and ROR-4 Deleted

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.
- 2) **NOT USED**
- 3) Update notes 9 and 10 as necessary.

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.
- 2a) 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.
- 3) 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.
- 4) **NOT USED**
- 5) **NOT USED**
- 6) **NOT USED**
- 7) **NOT USED**
- 8) 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.
- 9) Amounts in columns 2-14 are from SCE internal records.

List associated securities, Face Amount, Issuance Date, Issuance Costs, Amortization Period, and Annual Amortization:

Issue	Face Amount	Issuance Date	Issuance Costs	Amortization Period (Years)	Annual Amortization	Notes
Series E Pref., 6.250%	\$350,000,000	1/17/12	\$5,957,289	10	\$595,729	
Series G Pref., 5.100%	\$400,000,000	1/29/13	\$12,972,286	30	\$432,410	
Series H, Pref., 5.75%	\$275,000,000	3/6/14	\$6,272,358	10	\$627,236	
Series J., Pref., 5.375%	\$325,000,000	8/24/15	\$6,419,578	10	\$641,958	

Deleted Pursuant to Settlement Term #2

Deleted Pursuant to Settlement Term #2

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: 2018

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	Total
		350.1	350.2	352	353	354	355	356	357	358	359		Sum C2 - C11	
1	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		\$8,573,445,554	
2	Jan 2018	\$87,726,550	\$164,912,802	\$572,332,929	\$3,412,113,168	\$2,283,554,236	\$365,210,290	\$1,262,415,948	\$190,266,139	\$84,940,910	\$172,627,083		\$8,596,100,056	
3	Feb 2018	\$87,725,072	\$164,931,368	\$575,091,120	\$3,418,289,127	\$2,283,947,645	\$366,128,750	\$1,263,115,451	\$190,339,338	\$84,952,339	\$172,672,088		\$8,607,192,297	
4	Mar 2018	\$87,282,778	\$164,965,584	\$577,997,994	\$3,426,831,317	\$2,284,109,107	\$368,947,731	\$1,265,485,090	\$190,420,082	\$83,759,857	\$172,736,334		\$8,622,535,874	
5	Apr 2018	\$87,297,163	\$164,964,204	\$581,033,321	\$3,431,680,464	\$2,284,271,822	\$370,175,481	\$1,264,883,890	\$190,542,108	\$83,819,140	\$172,689,916		\$8,631,357,509	
6	May 2018	\$87,298,132	\$164,972,545	\$580,581,318	\$3,433,781,768	\$2,284,323,095	\$370,936,066	\$1,270,451,267	\$190,615,516	\$83,855,423	\$172,705,863		\$8,639,520,992	
7	Jun 2018	\$87,307,462	\$165,165,006	\$585,796,088	\$3,444,242,238	\$2,284,518,162	\$371,768,074	\$1,271,328,346	\$190,661,684	\$83,878,067	\$172,883,402		\$8,657,548,529	
8	Jul 2018	\$87,306,976	\$165,176,355	\$589,092,910	\$3,447,324,975	\$2,284,562,680	\$372,042,703	\$1,272,813,056	\$190,691,597	\$83,892,934	\$172,836,726		\$8,665,740,912	
9	Aug 2018	\$87,330,957	\$165,183,770	\$597,444,040	\$3,455,667,216	\$2,284,539,001	\$381,776,186	\$1,288,343,514	\$190,713,761	\$83,903,902	\$172,900,765		\$8,707,803,114	
10	Sep 2018	\$87,331,479	\$165,177,384	\$604,383,753	\$3,456,584,434	\$2,284,549,099	\$383,272,978	\$1,289,977,383	\$190,781,811	\$83,936,902	\$172,921,318		\$8,718,916,541	
11	Oct 2018	\$87,345,207	\$165,189,259	\$607,654,477	\$3,452,212,581	\$2,284,577,055	\$384,624,602	\$1,292,243,484	\$190,831,339	\$83,961,794	\$173,487,024		\$8,722,126,822	
12	Nov 2018	\$87,344,391	\$165,233,271	\$610,126,156	\$3,458,389,095	\$2,284,536,273	\$385,813,372	\$1,293,205,824	\$190,855,520	\$83,971,831	\$173,636,577		\$8,733,112,310	
13	Dec 2018	\$87,352,690	\$165,261,947	\$643,675,310	\$3,459,763,553	\$2,284,709,795	\$386,542,291	\$1,311,509,387	\$190,891,202	\$83,989,219	\$173,783,603		\$8,787,478,998	
14	13-Mo. Avg:	\$87,425,005	\$165,079,586	\$591,915,957	\$3,438,948,285	\$2,284,275,299	\$374,743,277	\$1,276,285,102	\$190,602,507	\$84,137,130	\$172,963,199		\$8,666,375,347	

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
						Sum C2 - C4	
15	Dec 2017		\$0	\$0	\$0		\$0
16	Dec 2018		\$0	\$0	\$0		\$0
17	Average:		\$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: \$8,666,375,347	Sum of Line 14, Col 12 and Line 17, Col 5
19	EOY Value: \$8,787,478,998	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	\$3,102,162,333	\$1,324,870,316	\$4,427,032,649	BOY amount from previous PY
21	December	FF1 207.99.g and 205.5g	\$3,095,312,496	\$1,211,743,818	\$4,307,056,314	End of year ("EOY") amount
a) BOY/EOY Average G&I Plant						
			<u>Amount</u>	<u>Source</u>		
22		Average BOY/EOY Value:	\$4,367,044,482	Average of Line 20 and 21.		
23		Transmission W&S Allocation Factor:	5.7427%	27-Allocators, Line 5 9		
24		General + Intangible Plant:	\$250,784,299	Line 22 * Line 23.		
b) EOY G&I Plant						
			<u>Amount</u>	<u>Source</u>		
25		EOY Value:	\$4,307,056,314	Line 21.		
26		Transmission W&S Allocation Factor:	5.7427%	27-Allocators, Line 5 9		
27		General + Intangible Plant:	\$247,339,385	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 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	
29 Jan 2018	\$132,002,194	\$211,061,379	\$883,614,185	\$5,912,927,542	\$2,343,801,080	\$1,300,634,528	\$1,556,508,082	\$258,389,963	\$381,423,089	\$193,796,222	\$13,174,158,265	
30 Feb 2018	\$132,000,716	\$211,091,194	\$887,792,515	\$5,936,193,717	\$2,341,991,366	\$1,309,042,930	\$1,557,716,059	\$258,465,857	\$381,501,896	\$193,844,025	\$13,209,640,275	
31 Mar 2018	\$131,553,679	\$211,146,072	\$892,557,739	\$5,967,886,747	\$2,338,465,086	\$1,335,127,949	\$1,565,033,201	\$259,085,544	\$380,559,669	\$193,910,445	\$13,275,326,131	
32 Apr 2018	\$131,563,543	\$211,143,564	\$897,155,828	\$5,986,255,168	\$2,339,813,420	\$1,346,959,846	\$1,563,864,931	\$264,372,295	\$382,209,406	\$193,791,233	\$13,317,129,234	
33 May 2018	\$131,562,039	\$211,156,537	\$896,518,649	\$5,995,211,917	\$2,340,779,688	\$1,354,095,466	\$1,573,775,490	\$265,260,198	\$383,575,877	\$193,807,913	\$13,345,743,773	
34 Jun 2018	\$131,571,369	\$211,464,950	\$904,257,705	\$6,016,839,046	\$2,341,316,407	\$1,360,640,150	\$1,575,001,854	\$265,658,046	\$385,903,312	\$193,987,418	\$13,386,640,254	
35 Jul 2018	\$131,570,853	\$211,482,836	\$909,225,319	\$6,028,396,139	\$2,341,638,296	\$1,364,401,442	\$1,577,651,216	\$265,816,143	\$386,315,435	\$193,941,498	\$13,410,439,175	
36 Aug 2018	\$131,590,862	\$211,494,702	\$916,991,328	\$6,041,683,890	\$2,354,634,553	\$1,456,568,002	\$1,608,031,924	\$266,024,387	\$386,759,045	\$194,055,427	\$13,567,834,120	
37 Sep 2018	\$131,591,383	\$211,483,746	\$927,495,762	\$6,045,058,099	\$2,358,493,307	\$1,470,663,403	\$1,611,187,771	\$268,039,958	\$389,890,506	\$194,084,632	\$13,607,988,567	
38 Oct 2018	\$131,602,725	\$211,502,720	\$932,408,822	\$6,028,403,511	\$2,356,531,854	\$1,483,457,844	\$1,615,595,396	\$267,202,745	\$390,891,957	\$195,116,886	\$13,612,714,460	
39 Nov 2018	\$131,605,853	\$211,571,363	\$936,123,141	\$6,051,481,092	\$2,356,826,642	\$1,492,485,756	\$1,617,144,681	\$270,411,211	\$398,292,964	\$195,317,099	\$13,661,259,803	
40 Dec 2018	\$131,612,781	\$211,617,314	\$983,751,073	\$6,072,137,167	\$2,355,779,001	\$1,500,195,881	\$1,653,093,431	\$271,487,039	\$399,339,545	\$195,497,058	\$13,774,510,290	

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>
	<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>
41	Jan 2018	-\$149,851	\$18,404	\$3,992,276	\$9,978,314	\$655,728	\$7,932,061	\$31,976,915	\$2,041,942	\$4,713,085	\$22,811	\$61,181,685
42	Feb 2018	-\$1,478	\$29,815	\$4,178,330	\$23,266,175	-\$1,809,714	\$8,408,402	\$1,207,977	\$75,893	\$78,807	\$47,803	\$35,482,010
43	Mar 2018	-\$447,037	\$54,878	\$4,765,224	\$31,693,030	-\$3,526,280	\$26,085,020	\$7,317,142	\$619,688	-\$942,227	\$66,420	\$65,685,856
44	Apr 2018	\$9,865	-\$2,509	\$4,598,088	\$18,368,421	\$1,348,334	\$11,831,897	-\$1,168,270	\$5,286,750	\$1,649,737	-\$119,212	\$41,803,102
45	May 2018	-\$1,505	\$12,973	-\$637,179	\$8,956,749	\$966,267	\$7,135,620	\$9,910,560	\$887,903	\$1,366,472	\$16,680	\$28,614,540
46	Jun 2018	\$9,330	\$308,412	\$7,739,056	\$21,627,129	\$536,720	\$6,544,684	\$1,226,363	\$397,849	\$2,327,434	\$179,504	\$40,896,481
47	Jul 2018	-\$516	\$17,887	\$4,967,614	\$11,557,094	\$321,889	\$3,761,292	\$2,649,362	\$158,096	\$412,123	-\$45,919	\$23,798,921
48	Aug 2018	\$20,009	\$11,866	\$7,766,009	\$13,287,751	\$12,996,257	\$92,166,560	\$30,380,708	\$208,245	\$443,611	\$113,929	\$157,394,944
49	Sep 2018	\$522	-\$10,955	\$10,504,434	\$3,374,208	\$3,858,754	\$14,095,401	\$3,155,847	\$2,015,571	\$3,131,461	\$29,205	\$40,154,447
50	Oct 2018	\$11,342	\$18,974	\$4,913,060	-\$16,654,588	-\$1,961,452	\$12,794,441	\$4,407,625	-\$837,213	\$1,001,451	\$1,032,254	\$4,725,893
51	Nov 2018	\$3,129	\$68,643	\$3,714,319	\$23,077,581	\$294,788	\$9,027,912	\$1,549,286	\$3,208,467	\$7,401,007	\$200,213	\$48,545,343
52	Dec 2018	\$6,928	\$45,951	\$47,627,932	\$20,656,075	-\$1,047,641	\$7,710,125	\$35,948,750	\$1,075,828	\$1,046,581	\$179,959	\$113,250,487
53	Total:	-\$539,264	\$574,339	\$104,129,163	\$169,187,939	\$12,633,649	\$207,493,414	\$128,562,264	\$15,139,018	\$22,629,542	\$1,723,647	\$661,533,710

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>
	<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>
54	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
55	Jan 2018	\$20,716,896	\$95,067,934	\$273,150,546	\$1,176,090,778	\$1,762,553,462	\$154,393,454	\$818,604,627	\$189,980,222	\$82,841,987	\$146,386,551	\$ 4,719,786,457
56	Feb 2018	\$20,715,417	\$95,067,829	\$273,152,501	\$1,176,075,018	\$1,762,935,232	\$154,427,757	\$818,774,251	\$190,053,420	\$82,853,426	\$146,428,196	\$ 4,720,483,047
57	Mar 2018	\$20,271,315	\$95,067,750	\$272,452,646	\$1,176,229,749	\$1,763,077,211	\$154,500,278	\$815,988,109	\$190,133,846	\$81,660,982	\$146,489,833	\$ 4,715,871,721
58	Apr 2018	\$20,283,976	\$95,068,241	\$272,454,931	\$1,176,180,915	\$1,763,246,190	\$154,476,253	\$815,977,852	\$190,252,825	\$81,720,506	\$146,530,781	\$ 4,716,192,471
59	May 2018	\$20,284,001	\$95,068,893	\$272,362,324	\$1,175,798,518	\$1,763,302,297	\$154,484,291	\$817,019,208	\$190,325,752	\$81,756,991	\$146,545,848	\$ 4,716,948,123
60	Jun 2018	\$20,293,331	\$95,068,893	\$272,677,903	\$1,182,213,351	\$1,763,499,169	\$154,641,942	\$817,532,298	\$190,371,713	\$81,779,985	\$146,721,029	\$ 4,724,799,614
61	Jul 2018	\$20,292,833	\$95,069,391	\$272,732,016	\$1,182,225,861	\$1,763,545,152	\$154,504,985	\$817,803,328	\$190,401,550	\$81,794,912	\$146,673,445	\$ 4,725,043,472
62	Aug 2018	\$20,315,300	\$95,069,418	\$282,218,761	\$1,188,776,363	\$1,763,590,258	\$154,507,584	\$817,858,375	\$190,423,605	\$81,805,946	\$146,677,606	\$ 4,741,243,217
63	Sep 2018	\$20,315,822	\$95,070,616	\$282,239,983	\$1,188,803,424	\$1,763,620,688	\$154,517,162	\$817,906,194	\$190,490,506	\$81,839,416	\$146,687,777	\$ 4,741,491,587
64	Oct 2018	\$20,328,640	\$95,070,708	\$282,323,226	\$1,188,881,557	\$1,763,638,134	\$154,518,009	\$817,940,619	\$190,540,557	\$81,864,456	\$146,693,541	\$ 4,741,799,445
65	Nov 2018	\$20,329,328	\$95,073,836	\$282,383,161	\$1,188,934,881	\$1,763,599,124	\$154,781,401	\$818,291,304	\$190,562,859	\$81,875,614	\$146,782,293	\$ 4,742,613,801
66	Dec 2018	\$20,337,104	\$95,073,836	\$288,607,910	\$1,183,323,684	\$1,763,766,195	\$154,686,218	\$818,206,860	\$190,597,928	\$81,893,158	\$146,889,793	\$ 4,743,382,686

4) ISO Incentive Plant Activity (See Note 6)

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359		Total
67 Jan 2018	(\$149,728)	\$528	\$494	\$15,952	\$175,863	(\$57,328)	\$335,320	\$42,471	\$21,248	(\$57,743)		\$327,078
68 Feb 2018	(\$1,478)	(\$105)	\$1,954	(\$15,760)	\$381,770	\$34,303	\$169,623	\$73,198	\$11,439	\$41,646		\$696,590
69 Mar 2018	(\$444,103)	(\$79)	(\$699,855)	\$154,731	\$141,980	\$72,521	(\$2,786,141)	\$80,426	(\$1,192,444)	\$61,637		(\$4,611,326)
70 Apr 2018	\$12,661	\$491	\$2,285	(\$48,834)	\$168,979	(\$24,026)	(\$10,257)	\$118,979	\$59,524	\$40,948		\$320,750
71 May 2018	\$25	\$652	(\$92,607)	(\$382,397)	\$56,106	\$8,038	\$1,041,356	\$72,927	\$36,485	\$15,067		\$755,652
72 Jun 2018	\$9,330	\$0	\$315,580	\$6,414,833	\$196,873	\$157,650	\$513,090	\$45,961	\$22,994	\$175,181		\$7,851,490
73 Jul 2018	(\$498)	\$498	\$54,112	\$12,510	\$45,983	(\$136,957)	\$271,030	\$29,837	\$14,927	(\$47,584)		\$243,858
74 Aug 2018	\$22,467	\$27	\$9,486,746	\$6,550,502	\$45,106	\$2,599	\$55,048	\$22,055	\$11,034	\$4,162		\$16,199,745
75 Sep 2018	\$522	\$1,198	\$21,222	\$27,061	\$30,430	\$9,578	\$47,819	\$66,901	\$33,470	\$10,170		\$248,371
76 Oct 2018	\$12,818	\$92	\$83,243	\$78,133	\$17,446	\$847	\$34,425	\$50,051	\$25,040	\$5,764		\$307,858
77 Nov 2018	\$689	\$3,129	\$59,935	\$53,324	(\$39,010)	\$263,392	\$350,685	\$22,302	\$11,158	\$88,752		\$814,355
78 Dec 2018	<u>\$7,776</u>	<u>\$0</u>	<u>\$6,224,749</u>	<u>(\$5,611,197)</u>	<u>\$167,071</u>	<u>(\$95,183)</u>	<u>(\$84,444)</u>	<u>\$35,069</u>	<u>\$17,545</u>	<u>\$107,500</u>		<u>\$768,886</u>
79 Total:	(\$529,520)	\$6,431	\$15,457,858	\$7,248,858	\$1,388,596	\$235,436	(\$62,446)	\$660,176	(\$927,581)	\$445,499		\$23,923,307

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

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359		Total
80 Jan 2018	-\$123	\$17,876	\$3,991,781	\$9,962,362	\$479,865	\$7,989,389	\$31,641,595	\$1,999,471	\$4,691,838	\$80,554		\$60,854,607
81 Feb 2018	\$0	\$29,920	\$4,176,375	\$23,281,935	-\$2,191,484	\$8,374,099	\$1,038,353	\$2,696	\$67,369	\$6,157		\$34,785,420
82 Mar 2018	-\$2,934	\$54,957	\$5,465,078	\$31,538,299	-\$3,668,260	\$26,012,498	\$10,103,283	\$539,262	\$250,216	\$4,783		\$70,297,182
83 Apr 2018	-\$2,796	-\$3,000	\$4,595,804	\$18,417,255	\$1,179,356	\$11,855,922	-\$1,158,013	\$5,167,771	\$1,590,213	-\$160,159		\$41,482,352
84 May 2018	-\$1,530	\$12,321	-\$544,572	\$9,339,146	\$910,161	\$7,127,582	\$8,869,204	\$814,976	\$1,329,987	\$1,613		\$27,858,887
85 Jun 2018	\$0	\$308,412	\$7,423,476	\$15,212,296	\$339,847	\$6,387,033	\$713,273	\$351,888	\$2,304,441	\$4,323		\$33,044,991
86 Jul 2018	-\$18	\$17,389	\$4,913,501	\$11,544,583	\$275,906	\$3,898,249	\$2,378,333	\$128,259	\$397,196	\$1,665		\$23,555,063
87 Aug 2018	-\$2,458	\$11,839	-\$1,720,736	\$6,737,249	\$12,951,151	\$92,163,962	\$30,325,660	\$186,190	\$432,577	\$109,767		\$141,195,200
88 Sep 2018	\$0	-\$12,154	\$10,483,212	\$3,347,148	\$3,828,324	\$14,085,823	\$3,108,028	\$1,948,670	\$3,097,991	\$19,035		\$39,906,077
89 Oct 2018	-\$1,476	\$18,882	\$4,829,817	-\$16,732,720	-\$1,978,898	\$12,793,594	\$4,373,200	-\$887,265	\$976,410	\$1,026,490		\$4,418,035
90 Nov 2018	\$2,440	\$65,514	\$3,654,384	\$23,024,257	\$333,797	\$8,764,520	\$1,198,601	\$3,186,164	\$7,389,849	\$111,461		\$47,730,988
91 Dec 2018	<u>-\$849</u>	<u>\$45,951</u>	<u>\$41,403,183</u>	<u>\$26,267,272</u>	<u>-\$1,214,711</u>	<u>\$7,805,308</u>	<u>\$36,033,193</u>	<u>\$1,040,759</u>	<u>\$1,029,036</u>	<u>\$72,459</u>		<u>\$112,481,601</u>
92 Total:	-\$9,744	\$567,908	\$88,671,305	\$161,939,081	\$11,245,053	\$207,257,978	\$128,624,710	\$14,478,841	\$23,557,123	\$1,278,148		\$637,610,403

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

Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359
93 Jan 2018	1.3%	3.1%	4.5%	6.2%	4.3%	3.9%	24.6%	13.8%	19.9%	6.3%
94 Feb 2018	0.0%	5.3%	4.7%	14.4%	-19.5%	4.0%	0.8%	0.0%	0.3%	0.5%
95 Mar 2018	30.1%	9.7%	6.2%	19.5%	-32.6%	12.6%	7.9%	3.7%	1.1%	0.4%
96 Apr 2018	28.7%	-0.5%	5.2%	11.4%	10.5%	5.7%	-0.9%	35.7%	6.8%	-12.5%
97 May 2018	15.7%	2.2%	-0.6%	5.8%	8.1%	3.4%	6.9%	5.6%	5.6%	0.1%
98 Jun 2018	0.0%	54.3%	8.4%	9.4%	3.0%	3.1%	0.6%	2.4%	9.8%	0.3%
99 Jul 2018	0.2%	3.1%	5.5%	7.1%	2.5%	1.9%	1.8%	0.9%	1.7%	0.1%
100 Aug 2018	25.2%	2.1%	-1.9%	4.2%	115.2%	44.5%	23.6%	1.3%	1.8%	8.6%
101 Sep 2018	0.0%	-2.1%	11.8%	2.1%	34.0%	6.8%	2.4%	13.5%	13.2%	1.5%
102 Oct 2018	15.1%	3.3%	5.4%	-10.3%	-17.6%	6.2%	3.4%	-6.1%	4.1%	80.3%
103 Nov 2018	-25.0%	11.5%	4.1%	14.2%	3.0%	4.2%	0.9%	22.0%	31.4%	8.7%
104 Dec 2018	8.7%	8.1%	46.7%	16.2%	-10.8%	3.8%	28.0%	7.2%	4.4%	5.7%

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

	<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>
A) Change in ISO Plant Balance December to December (See Note 9)											
105	-\$523,513	\$360,829	\$73,977,287	\$50,315,779	\$1,328,873	\$22,118,211	\$65,575,701	\$668,714	-\$931,155	\$1,142,717	\$214,033,444
B) Change in Incentive ISO Plant (See Note 10)											
106	-\$529,520	\$6,431	\$15,457,858	\$7,248,858	\$1,388,596	\$235,436	-\$62,446	\$660,176	-\$927,581	\$445,499	\$23,923,307
C) Change in Non-Incentive ISO Plant (See Note 11)											
107	\$6,007	\$354,398	\$58,519,429	\$43,066,921	-\$59,723	\$21,882,775	\$65,638,148	\$8,537	-\$3,574	\$697,219	\$190,110,137

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 2018	\$76	\$11,155	\$2,634,412	\$2,649,442	-\$2,549	\$843,538	\$16,146,942	\$1,179	-\$712	\$43,941	\$22,327,425	
109 Feb 2018	\$0	\$18,671	\$2,756,237	\$6,191,719	\$11,639	\$884,157	\$529,879	\$2	-\$10	\$3,359	\$10,395,652	
110 Mar 2018	\$1,809	\$34,295	\$3,606,728	\$8,387,459	\$19,482	\$2,746,460	\$5,155,781	\$318	-\$38	\$2,609	\$19,954,903	
111 Apr 2018	\$1,724	-\$1,872	\$3,033,042	\$4,897,981	-\$6,264	\$1,251,776	-\$590,943	\$3,047	-\$241	-\$87,366	\$8,500,884	
112 May 2018	\$943	\$7,689	-\$359,395	\$2,483,701	-\$4,834	\$752,546	\$4,526,021	\$481	-\$202	\$880	\$7,407,830	
113 Jun 2018	\$0	\$192,462	\$4,899,190	\$4,045,637	-\$1,805	\$674,358	\$363,989	\$207	-\$350	\$2,358	\$10,176,047	
114 Jul 2018	\$11	\$10,851	\$3,242,710	\$3,070,227	-\$1,465	\$411,586	\$1,213,681	\$76	-\$60	\$908	\$7,948,524	
115 Aug 2018	\$1,515	\$7,388	-\$1,135,615	\$1,791,739	-\$68,784	\$9,730,884	\$15,475,410	\$110	-\$66	\$59,877	\$25,862,457	
116 Sep 2018	\$0	-\$7,584	\$6,918,491	\$890,158	-\$20,332	\$1,487,214	\$1,586,050	\$1,149	-\$470	\$10,383	\$10,865,057	
117 Oct 2018	\$910	\$11,783	\$3,187,482	-\$4,449,987	\$10,510	\$1,350,777	\$2,231,677	-\$523	-\$148	\$559,942	\$2,902,422	
118 Nov 2018	-\$1,504	\$40,884	\$2,411,744	\$6,123,191	-\$1,773	\$925,378	\$611,655	\$1,879	-\$1,121	\$60,801	\$10,171,133	
119 Dec 2018	\$523	\$28,675	\$27,324,405	\$6,985,655	\$6,451	\$824,102	\$18,388,007	\$614	-\$156	\$39,526	\$53,597,802	
120 Total:	\$6,007	\$354,398	\$58,519,429	\$43,066,921	-\$59,723	\$21,882,775	\$65,638,148	\$8,537	-\$3,574	\$697,219	\$190,110,137	

Notes:

- 1) 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:
 - a) Other ISO Transmission Activity without Incentive Plant Activity on Lines 108-119 for the same month;
 - b) ISO Incentive Plant Activity on Lines 67 to 78 for the same month; and
 - c) 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:
 - a) the "Other ISO Transmission Activity without Incentive Plant Activity" for May of the Prior Year (on Line 112, Column 5);
 - b) the "ISO Incentive Plant Activity" for May of the Prior Year (on Line 71, Column 5),
 - c) and the "Transmission Plant - ISO" amount for April of the Prior Year (on Line 5, Column 5).
 - 2) 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.
 - 3) Reconciles to BOY and EOY FERC Form 1 (FF1 207, Lines 48-56 , Column g).
 - 4) Includes recorded Transmission Plant-In-Service additions, retirements, transfers and adjustments. From SCE internal accounting records.
 - 5) Includes balances for SCE Incentive Projects.
 - 6) Monthly differences from previous matrix. Other columns from SCE internal accounting records.
 - 7) Amount in matrix on lines 41 to 52 minus amount in matrix on lines 67 to 78
 - 8) Amount in "Total Transmission Activity Not Including Incentive Plant Activity" matrix divided by Total on Line 92 for each account/month.
 - 9) Amount on Line 13 less amount on Line 1 for each account.
 - 10) Line 79
 - 11) Amount on Line 105 less amount on Line 106 for each account.
 - 12) 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: 2018

<u>Line</u>	<u>Account</u>	<u>Col 1</u> <u>Total Plant</u>	<u>Data Source</u>	<u>Col 2</u> <u>Transmission Plant - ISO</u>	<u>Col 3</u> <u>ISO % of Total</u>	<u>Notes</u>
1						
2	Substation					
3	352	\$983,751,073	FF1 207.49g	\$643,675,310	65.43%	
4	353	\$6,072,137,167	FF1 207.50g	\$3,459,763,553	56.98%	
5	Total Substation	\$7,055,888,240	L 3 + L 4	\$4,103,438,863	58.16%	
6						
7	Land					
8	350	\$343,230,095	FF1 207.48g	\$252,614,637	73.60%	
9						
10	Total Substation and Land	\$7,399,118,335	L 5 + L 8	\$4,356,053,500	58.87%	
11						
12	Lines					
13	354	\$2,355,779,001	FF1 207.51g	\$2,284,709,795	96.98%	
14	355	\$1,500,195,881	FF1 207.52g	\$386,542,291	25.77%	
15	356	\$1,653,093,431	FF1 207.53g	\$1,311,509,387	79.34%	
16	357	\$271,487,039	FF1 207.54g	\$190,891,202	70.31%	
17	358	\$399,339,545	FF1 207.55g	\$83,989,219	21.03%	
18	359	\$195,497,058	FF1 207.56g	\$173,783,603	88.89%	
19	Total Lines	\$6,375,391,955	Sum L13 to L18	\$4,431,425,498	69.51%	
20						
21	Total Transmission	\$13,774,510,290	L 10 + L 19	\$8,787,478,998	63.80%	Note 1

B) Plant Classified as Distribution in FERC Form 1:

<u>Line</u>	<u>Account</u>	<u>Total Plant</u>	<u>Data Source</u>	<u>Distribution Plant - ISO</u>	<u>ISO % of Total</u>	
22						
23	Land:					
24	360	\$126,028,197	FF1 207.60g	\$0	0.00%	
25	Structures:					
26	361	\$696,502,262	FF1 207.61g	\$0	0.00%	
27	362	\$2,727,819,402	FF1 207.62g	\$0	0.00%	
28	Total Structures	\$3,424,321,664	L 26 + L 27	\$0	0.00%	
29						
30	Total Distribution	\$3,550,349,861	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".

Schedule 8
Accumulated Depreciation

Accumulated Depreciation Reserve

Input cells are shaded yellow

1) Transmission Depreciation Reserve - ISO

Prior Year: 2018

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:											
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
1	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
2	Jan 2018	\$0	\$20,798,094	\$92,120,901	\$525,101,402	\$512,508,260	\$47,121,942	\$415,999,634	\$4,068,972	\$7,441,980	\$17,814,570	\$1,642,975,755
3	Feb 2018	\$0	\$21,024,900	\$93,334,028	\$525,239,641	\$521,387,893	\$47,803,753	\$419,053,581	\$4,330,557	\$7,718,588	\$18,039,068	\$1,657,932,010
4	Mar 2018	\$0	\$21,250,624	\$94,549,168	\$522,948,988	\$533,123,116	\$47,571,871	\$420,758,821	\$4,586,097	\$8,002,486	\$18,263,606	\$1,671,054,777
5	Apr 2018	\$0	\$21,478,959	\$95,773,160	\$524,556,125	\$535,487,632	\$48,084,195	\$424,147,782	\$4,788,734	\$8,335,700	\$18,486,010	\$1,681,138,298
6	May 2018	\$0	\$21,706,614	\$97,019,186	\$528,857,858	\$538,372,866	\$48,845,961	\$426,041,368	\$5,041,395	\$8,658,781	\$18,710,529	\$1,693,254,558
7	Jun 2018	\$0	\$21,921,184	\$98,240,166	\$531,427,084	\$542,360,690	\$49,648,533	\$429,164,169	\$5,299,461	\$9,020,640	\$18,935,105	\$1,706,017,031
8	Jul 2018	\$0	\$22,148,893	\$99,479,899	\$535,102,473	\$546,472,517	\$50,582,968	\$432,041,140	\$5,560,152	\$9,306,904	\$19,159,876	\$1,719,854,821
9	Aug 2018	\$0	\$22,376,863	\$100,746,739	\$540,205,851	\$526,081,632	\$46,931,900	\$430,758,314	\$5,820,220	\$9,594,621	\$19,386,039	\$1,701,902,179
10	Sep 2018	\$0	\$22,605,905	\$101,994,589	\$546,328,934	\$523,326,243	\$47,367,590	\$433,569,823	\$6,060,132	\$9,988,118	\$19,611,066	\$1,710,852,398
11	Oct 2018	\$0	\$22,833,565	\$103,274,383	\$558,392,004	\$531,796,946	\$47,875,003	\$436,196,999	\$6,332,619	\$10,297,552	\$19,849,661	\$1,736,848,732
12	Nov 2018	\$0	\$23,059,179	\$104,564,734	\$558,688,983	\$535,796,981	\$48,595,903	\$439,302,885	\$6,558,518	\$10,861,507	\$20,076,692	\$1,747,505,383
13	Dec 2018	\$0	\$23,285,719	\$105,746,316	\$558,039,638	\$542,790,391	\$49,370,280	\$437,221,587	\$6,809,024	\$11,173,141	\$20,303,394	\$1,754,739,490
14	13-Mo. Avg:	\$0	\$21,927,790	\$98,288,933	\$536,609,132	\$530,638,322	\$48,170,957	\$427,830,994	\$5,314,323	\$9,029,384	\$18,940,359	\$1,696,750,195

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

	Col 1	Col 2	Col 3	Col 4	Col 5	Total	Notes
	FERC Account:						
	Mo/YR	360	361	362			
15	Dec 2017	\$0	\$0	\$0	\$0	\$0	Beginning of Year ("BOY") amount
16	Dec 2018	\$0	\$0	\$0	\$0	\$0	End of Year ("EOY") amount
17	BOY/EOY Average:	\$0	\$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 2017	BOY:	\$1,736,829,507	\$1,094,912,964	\$641,916,543	FF1 219.28c and 200.21c for previous year
19	Dec 2018	EOY:	\$1,612,060,674	\$1,060,652,423	\$551,408,251	FF1 219.28c and 200.21c
20		BOY/EOY Average:	\$1,674,445,091			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:	\$1,674,445,091	Line 20
22	Transmission W&S Allocation Factor:	5.7427%	27-Allocators, Line 5 9
23	G + I Plant Dep. Reserve (BOY/EOY Average):	\$96,157,605	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:	\$1,612,060,674	Line 19
25	Transmission W&S Allocation Factor:	5.7427%	27-Allocators, Line 5 9
26	G + I Plant Dep. Reserve (EOY):	\$92,575,083	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>
												Sum C2 - C11
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
27	Jan 2018	\$0	\$228,113	\$1,220,103	\$7,017,780	\$4,642,875	\$1,114,530	\$3,166,748	\$261,556	\$273,868	\$224,433	\$18,150,007
28	Feb 2018	\$0	\$228,129	\$1,225,746	\$7,023,266	\$4,643,227	\$1,116,935	\$3,208,641	\$261,616	\$273,934	\$224,415	\$18,205,910
29	Mar 2018	\$0	\$228,155	\$1,231,653	\$7,035,978	\$4,644,027	\$1,119,744	\$3,210,418	\$261,717	\$273,971	\$224,474	\$18,230,138
30	Apr 2018	\$0	\$228,202	\$1,237,879	\$7,053,561	\$4,644,355	\$1,128,365	\$3,216,441	\$261,828	\$270,126	\$224,557	\$18,265,315
31	May 2018	\$0	\$228,200	\$1,244,380	\$7,063,542	\$4,644,686	\$1,132,120	\$3,214,913	\$261,995	\$270,317	\$224,497	\$18,284,651
32	Jun 2018	\$0	\$228,212	\$1,243,412	\$7,067,867	\$4,644,790	\$1,134,446	\$3,229,064	\$262,096	\$270,434	\$224,518	\$18,304,839
33	Jul 2018	\$0	\$228,478	\$1,254,580	\$7,089,399	\$4,645,187	\$1,136,991	\$3,231,293	\$262,160	\$270,507	\$224,748	\$18,343,342
34	Aug 2018	\$0	\$228,494	\$1,261,641	\$7,095,744	\$4,645,277	\$1,137,831	\$3,235,067	\$262,201	\$270,555	\$224,688	\$18,361,496
35	Sep 2018	\$0	\$228,504	\$1,279,526	\$7,112,915	\$4,645,229	\$1,167,599	\$3,274,540	\$262,231	\$270,590	\$224,771	\$18,465,906
36	Oct 2018	\$0	\$228,495	\$1,294,389	\$7,114,803	\$4,645,250	\$1,172,177	\$3,278,693	\$262,325	\$270,697	\$224,798	\$18,491,625
37	Nov 2018	\$0	\$228,512	\$1,301,393	\$7,105,804	\$4,645,307	\$1,176,310	\$3,284,452	\$262,393	\$270,777	\$225,533	\$18,500,481
38	Dec 2018	\$0	\$228,573	\$1,306,687	\$7,118,518	\$4,645,224	\$1,179,946	\$3,286,898	\$262,426	\$270,809	\$225,728	\$18,524,808
39	Total:	\$0	\$2,740,069	\$15,101,389	\$84,899,178	\$55,735,434	\$13,716,993	\$38,837,167	\$3,144,544	\$3,256,584	\$2,697,159	\$220,128,517

Schedule 8
Accumulated Depreciation

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

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 2018	1.3%	3.1%	4.5%	6.2%	4.3%	3.9%	24.6%	13.8%	19.9%	6.3%
41	Feb 2018	0.0%	5.3%	4.7%	14.4%	-19.5%	4.0%	0.8%	0.0%	0.3%	0.5%
42	Mar 2018	30.1%	9.7%	6.2%	19.5%	-32.6%	12.6%	7.9%	3.7%	1.1%	0.4%
43	Apr 2018	28.7%	-0.5%	5.2%	11.4%	10.5%	5.7%	-0.9%	35.7%	6.8%	-12.5%
44	May 2018	15.7%	2.2%	-0.6%	5.8%	8.1%	3.4%	6.9%	5.6%	5.6%	0.1%
45	Jun 2018	0.0%	54.3%	8.4%	9.4%	3.0%	3.1%	0.6%	2.4%	9.8%	0.3%
46	Jul 2018	0.2%	3.1%	5.5%	7.1%	2.5%	1.9%	1.8%	0.9%	1.7%	0.1%
47	Aug 2018	25.2%	2.1%	-1.9%	4.2%	115.2%	44.5%	23.6%	1.3%	1.8%	8.6%
48	Sep 2018	0.0%	-2.1%	11.8%	2.1%	34.0%	6.8%	2.4%	13.5%	13.2%	1.5%
49	Oct 2018	15.1%	3.3%	5.4%	-10.3%	-17.6%	6.2%	3.4%	-6.1%	4.1%	80.3%
50	Nov 2018	-25.0%	11.5%	4.1%	14.2%	3.0%	4.2%	0.9%	22.0%	31.4%	8.7%
51	Dec 2018	8.7%	8.1%	46.7%	16.2%	-10.8%	3.8%	28.0%	7.2%	4.4%	5.7%

3) Calculation of Non-Incentive ISO Reserve

A) Change in Depreciation Reserve - ISO (See Note 5)											
	<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>
52	\$0	\$2,714,948	\$14,833,456	\$37,009,906	\$33,997,368	\$2,947,735	\$19,674,763	\$2,978,706	\$4,191,169	\$2,714,340	\$121,062,390
B) Total Depreciation Expense (See Note 6)											
	<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>
53	\$0	\$2,740,069	\$15,101,389	\$84,899,178	\$55,735,434	\$13,716,993	\$38,837,167	\$3,144,544	\$3,256,584	\$2,697,159	\$220,128,517
C) Other Activity (See Note 7)											
	<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	\$0	-\$25,121	-\$267,933	-\$47,889,272	-\$21,738,066	-\$10,769,258	-\$19,162,404	-\$165,838	\$934,585	\$17,180	-\$99,066,128

Schedule 8
Accumulated Depreciation

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 2018	\$0	-\$791	-\$12,062	-\$2,946,109	-\$927,638	-\$415,134	-\$4,713,939	-\$22,902	\$186,140	\$1,083	-\$8,851,351
56	Feb 2018	\$0	-\$1,323	-\$12,620	-\$6,885,027	\$4,236,406	-\$435,124	-\$154,693	-\$31	\$2,673	\$83	-\$3,249,655
57	Mar 2018	\$0	-\$2,431	-\$16,514	-\$9,326,632	\$7,091,196	-\$1,351,626	-\$1,505,179	-\$6,177	\$9,927	\$64	-\$5,107,371
58	Apr 2018	\$0	\$133	-\$13,887	-\$5,446,424	-\$2,279,839	-\$616,041	\$172,520	-\$59,191	\$63,089	-\$2,153	-\$8,181,794
59	May 2018	\$0	-\$545	\$1,646	-\$2,761,809	-\$1,759,453	-\$370,354	-\$1,321,327	-\$9,335	\$52,765	\$22	-\$6,168,390
60	Jun 2018	\$0	-\$13,643	-\$22,431	-\$4,498,641	-\$656,966	-\$331,874	-\$106,263	-\$4,030	\$91,424	\$58	-\$5,542,366
61	Jul 2018	\$0	-\$769	-\$14,847	-\$3,414,010	-\$533,360	-\$202,556	-\$354,322	-\$1,469	\$15,758	\$22	-\$4,505,552
62	Aug 2018	\$0	-\$524	\$5,199	-\$1,992,366	-\$25,036,162	-\$4,788,899	-\$4,517,892	-\$2,133	\$17,162	\$1,475	-\$36,314,139
63	Sep 2018	\$0	\$538	-\$31,676	-\$989,832	-\$7,400,619	-\$731,908	-\$463,031	-\$22,320	\$122,907	\$256	-\$9,515,686
64	Oct 2018	\$0	-\$835	-\$14,594	\$4,948,267	\$3,825,453	-\$664,763	-\$651,516	\$10,163	\$38,737	\$13,798	\$7,504,709
65	Nov 2018	\$0	-\$2,898	-\$11,042	-\$6,808,825	-\$645,271	-\$455,410	-\$178,567	-\$36,494	\$293,178	\$1,498	-\$7,843,830
66	Dec 2018	<u>\$0</u>	<u>-\$2,033</u>	<u>-\$125,106</u>	<u>-\$7,767,863</u>	<u>\$2,348,186</u>	<u>-\$405,569</u>	<u>-\$5,368,196</u>	<u>-\$11,921</u>	<u>\$40,825</u>	<u>\$974</u>	<u>-\$11,290,701</u>
67	Total:	\$0	-\$25,121	-\$267,933	-\$47,889,272	-\$21,738,066	-\$10,769,258	-\$19,162,404	-\$165,838	\$934,585	\$17,180	-\$99,066,128

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 and Net Excess Deferred Tax Liabilities

Cells shaded yellow are input cells

1) Summary of Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities

a) End of Year Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities		Settlement agreement, Term #15	
<u>Col 1</u>	<u>Col 2</u>		
<u>Line</u>	<u>Account</u>	<u>Total ADIT</u>	<u>Source</u>
1	Account 190	\$84,180,069	Line 353, Col. 2
2	Account 282	-\$1,162,146,512	Line 452, Col. 2
3	Account 283	-\$15,208,619	Line 803, Col. 2
4	Net Excess/Deficient Deferred Tax Liability/Asset-2017 TCAJA	-\$551,111,771	FF1 278, see Notes 4 and 5
5	Total Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities	-\$1,644,286,833	Sum of Lines 1 to 4
7	b) Beginning of Year Accumulated Deferred Income Taxes		
8		BOY	
9		ADIT	Source
10	Total Accumulated Deferred Income Taxes	-\$1,649,088,770	Previous Year Informational Filing, Line 5, Col. 2
11			
12	c) Average of Beginning and End of Year Accumulated Deferred Income Taxes		
13		Average	
14		ADIT	Source
15	Average ADIT:	-\$1,646,877,467	Line 817, Column 8

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	\$672,292	\$614		\$671,678	C: Relates primarily to Regulated Electric Property
101	190.000	Executive Incentive Comp	\$2,228,654	\$7,147		\$2,221,507	C: Relates to employees in all functions
102	190.000	Bond Discount Amort	\$801,941	\$732		\$801,209	C: Relates primarily to Regulated Electric Property
103	190.000	Executive Incentive Plan	\$1,143,688	\$3,668		\$1,140,020	C: Relates to employees in all functions
104	190.000	Ins - Inj/Damages Prov	\$28,251,649	\$90,600		\$28,161,049	C: Relates to employees in all functions
105	190.000	Accrued Vacation	\$13,408,092	\$42,998		\$13,365,094	C: Relates to employees in all functions
106	190.000	Amortization of Debt Expense	\$1,141,054	\$1,041		\$1,140,013	C: Relates primarily to Regulated Electric Property
107	190.000	Wildfire Reserve	\$746,882,284	\$2,395,173		\$744,487,111	C: Relates primarily to Regulated Electric Property
108	190.000	Decommissioning	\$339,698,463	\$339,698,463			Relates to Nuclear Decommissioning Costs
109	190.000	Balancing Accounts	-\$11,619,374	-\$11,619,374			Relates Entirely to CPUC Balancing Account Recovery
110	190.000	Pension & PBOP	\$40,171,080	\$128,824		\$40,042,256	C: Relates to employees in all functions
111	190.000	Property/Non-ISO	\$6,547,986	\$6,547,986			Non-Rate Base Property
112	190.000	Regulatory Assets/Liab	\$36,181,620	\$36,181,620			Relates to Nonrecovery Balancing Account
113	190.000	Temp - Other/Non-ISO	\$868,848,855	\$868,848,855			Not Component of Rate Base
114	190.000	Net Operating Losses DTA	\$192,399,428			\$192,399,428	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:							
115	...						Source
250	Total Electric 190	\$2,266,757,712	\$1,242,328,348	\$0	\$195,012,328	\$829,417,036	Sum of Above Lines beginning on Line 100

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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	\$140,873	\$140,873			Gas Related Costs
301	190.000	Temp - Other/Non-ISO - Other	\$2,269,027	\$2,269,027			Other Non-ISO Related Costs
302	190.000	EMS	\$1,157,506	\$1,157,506			Other Non-ISO Related Costs
###	...						

	<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	\$3,567,406	\$3,567,406	\$0	\$0	\$0	Sum of Above Lines beginning on Line 300
351	Total Account 190	\$2,270,325,118	\$1,245,895,754	\$0	\$195,012,328	\$829,417,036	Line 250 + Line 350
352	Allocation Factors (Plant and Wages)				18.742%	5.743%	27-Allocators Lines 18 22 and 5 9 respectively.
353	Total Account 190 ADIT (Sum of amounts in Columns 4 to 6)	\$84,180,069		\$0	\$36,549,510	\$47,630,559	Line 351 * Line 352 for Cols 5 and 6. Col. 4 100% ISO.
354	FERC Form 1 Account 190	\$2,270,325,118	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>per G/L</u>	<u>Gas, Generation</u> <u>or Other Related</u>	<u>ISO Only</u>	<u>Plant Related</u>	<u>Labor</u> <u>Related</u>	<u>Description</u>
400	282.000	Fully Normalized Deferred Tax	-\$1,162,146,512	-\$1,162,146,512			Property-Related FERC Costs
401	282.000	Property/Non-ISO	-\$6,189,165,827	-\$6,189,165,827			Property-Related CPUC Costs
402	282.000	Capitalized software	-\$57,179,648	-\$57,179,648			Property-Related CPUC Costs - Cap Software
403	282.000	Audit Rollforward	\$185,395	\$185,395			Property-Related CPUC Costs - Audit
404	282.000	Property/Non-ISO - Gas	-\$921,831	-\$921,831			Gas Related Costs
405	282.000	Property/Non-ISO - Other	-\$6,052,598	-\$6,052,598			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	-\$7,415,281,021	-\$6,253,134,509	-\$1,162,146,512	\$0	\$0	Sum of Above Lines beginning on Line 400
451	Allocation Factors (Plant and Wages)				18.742%	5.743%	27-Allocators Lines 18 22 and 5 9 respectively.
452	Total Account 282 ADIT (Sum of amounts in Columns 4 to 6)	-\$1,162,146,512		-\$1,162,146,512	\$0	\$0	Line 450 * Line 451 for Cols 5 and 6. Col. 4 100% ISO.
453	FERC Form 1 Account 282	-\$7,415,281,021	Must match amount on Line 450, Col. 2				FF1 275.5k

4) Account 283 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 283</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:								
500	283.000	Ad Valorem Lien Date Adj-Electric	-\$53,585,792	-\$53,585,792				Relates Entirely to CPUC Regulated Property
501	283.000	Ad Valorem Lien Date Adj-Electric	-\$8,433,048		-\$8,433,048			Relates Entirely to FERC Regulated Electric Property
502	283.000	Refunding & Retirement of Debt	-\$36,020,316	-\$32,874		-\$35,987,442		C: Relates primarily to Regulated Electric Property
503	283.000	Health Care - IBNR	-\$537,174	-1722.660845			-\$535,451	C: Relates to employees in all functions
504	283.000	Balancing Accounts	-\$366,748,626	-\$366,748,626				Relates Entirely to CPUC Balancing Account Recovery
505	283.000	Decommissioning	-\$323,139,148	-\$323,139,148				Relates to Nuclear Decommissioning Costs
506	283.000	Temp - Other/Non-ISO	\$13,510,737	\$13,510,737				Non-Rate Base FAS 109 Tax Flow-Thru

Continuation of Account 283 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 283</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 (continued):								
507	...							
650		Total Electric 283	-\$774,953,367	-\$729,997,425	-\$8,433,048	-\$35,987,442	-\$535,451	Sum of Above Lines beginning on Line 500
Account 283 Gas and Other:								
		<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>
700	283.000	Temp - Other/Non-ISO - Gas	-\$73,003	-\$73,003				Gas Related Costs
701	283.000	Temp - Other/Non-ISO - Other	-\$494,805	-\$494,805				Other Non-ISO Related Costs
702	...							

Schedule 9
ADIT

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

	<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	-\$567,808	-\$567,808	\$0	\$0	\$0	Sum of Above Lines beginning on Line 700
801	Total Account 283	-\$775,521,175	-\$730,565,233	-\$8,433,048	-\$35,987,442	-\$535,451	Line 650 + Line 800
802	Allocation Factors (Plant and Wages)				18.742%	5.743%	27-Allocators Lines 18 22 and 5 9 respectively.
803	Total Account 283 ADIT (Sum of amounts in Columns 4 to 6)	-\$15,208,619		-\$8,433,048	-\$6,744,822	-\$30,749	Line 801 * Line 802 for Cols 5 and 6. Col. 4 100% ISO.
804	FERC Form 1 Account 283	-\$775,521,175		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)

	<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>
		See Note 1	See Note 2			Col 5 / Tot. Days	= Col 2 * Col 6	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)		-\$1,649,088,770		365	100.00%		-\$1,649,088,770
806	January	\$400,161.43	-\$1,648,688,609	31	334	91.51%	\$366,175	-\$1,648,722,595
807	February	\$400,161.43	-\$1,648,288,447	28	306	83.84%	\$335,478	-\$1,648,387,117
808	March	\$400,161.43	-\$1,647,888,286	31	275	75.34%	\$301,491	-\$1,648,085,626
809	April	\$400,161.43	-\$1,647,488,124	30	245	67.12%	\$268,602	-\$1,647,817,024
810	May	\$400,161.43	-\$1,647,087,963	31	214	58.63%	\$234,615	-\$1,647,582,409
811	June	\$400,161.43	-\$1,646,687,801	30	184	50.41%	\$201,725	-\$1,647,380,684
812	July	\$400,161.43	-\$1,646,287,640	31	153	41.92%	\$167,739	-\$1,647,212,945
813	August	\$400,161.43	-\$1,645,887,479	31	122	33.42%	\$133,753	-\$1,647,079,192
814	September	\$400,161.43	-\$1,645,487,317	30	92	25.21%	\$100,863	-\$1,646,978,330
815	October	\$400,161.43	-\$1,645,087,156	31	61	16.71%	\$66,876	-\$1,646,911,453
816	November	\$400,161.43	-\$1,644,686,994	30	31	8.49%	\$33,986	-\$1,646,877,467
817	December	\$400,161.43	-\$1,644,286,833	31	0	0.00%	\$0	-\$1,646,877,467
818	Ending Balance (Line 5, Col. 2)		-\$1,644,286,833					

Schedule 9
ADIT

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	\$751,177,566
B:Gas Wages and Salaries	FF1 355.62b	\$502,887
C:Water Wages and Salaries	FF1 355.64b	\$1,913,811
D:Total Electric, Gas, and Water Wages and Salaries	A+B+C	\$753,594,264
E:Labor Percentage "Gas, Generation, or Other"	(B+C) / D	0.3207%

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	\$48,205,871,081
G:Total Gas Plant In Service	FF1 201.8d	\$6,330,758
H:Total Water Plant in Service	FF1 201.8e	\$37,703,992
I:Total Electric, Gas, and Water Plant In Service	F+G+H	\$48,249,905,831
J:Plant Percentage "Gas, Generation, or Other"	(G+H) / I	0.0913%

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 average ADIT Balance is equal to the amount on Line 817, Column 8
Line 805 is equal to Line 10, Column 2. Lines 806 through 817 equal previous amount in Column 8, plus amount in Column 7.
- 4) The net excess/deficiency is derived from the deficiency arising in Account 190 offset by excesses in Accounts 282 and 283.
- 5) SCE must submit a Federal Power Act Section 205 filing to obtain Commission approval prior to reflecting in rates any regulatory assets and liabilities arising from future tax changes.

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	2017	\$150,431,067	\$150,976	\$0	\$4,884,728	\$98,805,812	\$0
2	January	2018	\$213,986,863	\$151,684	\$0	\$4,899,846	\$99,567,836	\$0
3	February	2018	\$224,632,907	\$153,628	\$0	\$4,921,435	\$102,282,632	\$0
4	March	2018	\$247,405,346	\$154,987	\$0	\$4,936,884	\$107,378,631	\$0
5	April	2018	\$266,782,488	\$155,433	\$0	\$4,968,064	\$118,470,455	\$0
6	May	2018	\$280,386,099	\$155,433	\$0	\$5,026,303	\$124,193,405	\$0
7	June	2018	\$289,434,998	\$155,511	\$0	\$5,028,631	\$129,989,497	\$0
8	July	2018	\$301,451,678	\$155,511	\$0	\$5,045,582	\$137,885,131	\$0
9	August	2018	\$321,849,201	\$155,511	\$0	\$5,082,399	\$149,188,735	\$0
10	September	2018	\$339,139,258	\$155,511	\$0	\$5,110,295	\$166,117,122	\$0
11	October	2018	\$380,115,165	\$155,511	\$0	\$5,136,619	\$194,064,737	\$0
12	November	2018	\$406,169,532	\$155,511	\$0	\$5,173,051	\$212,063,571	\$0
13	December	2018	\$442,100,547	\$156,282	\$0	\$5,220,452	\$228,226,372	\$0
14	13 Month Averages:		\$297,221,934	\$154,730	\$0	\$5,033,407	\$143,710,303	\$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	2017	\$0	\$0	\$46,589,551	\$0	\$0	
16	January	2018	\$0	\$0	\$52,872,088	\$19,158,216	\$37,337,194	
17	February	2018	\$0	\$0	\$60,403,301	\$19,209,869	\$37,662,041	
18	March	2018	\$0	\$0	\$67,699,424	\$19,263,257	\$47,972,163	
19	April	2018	\$0	\$0	\$74,865,328	\$19,494,339	\$48,828,868	
20	May	2018	\$0	\$0	\$81,351,559	\$19,590,062	\$50,069,337	
21	June	2018	\$0	\$0	\$84,101,356	\$19,640,938	\$50,519,065	
22	July	2018	\$0	\$0	\$87,696,225	\$19,733,199	\$50,936,029	
23	August	2018	\$0	\$0	\$96,053,875	\$19,787,598	\$51,581,083	
24	September	2018	\$0	\$0	\$95,968,190	\$19,827,433	\$51,960,707	
25	October	2018	\$0	\$0	\$108,480,754	\$19,881,323	\$52,396,221	
26	November	2018	\$0	\$0	\$113,377,826	\$19,925,080	\$55,474,492	
27	December	2018	\$0	\$0	\$123,208,374	\$20,101,220	\$65,187,847	
28	13 Month Averages:		\$0	\$0	\$84,051,373	\$18,124,041	\$46,148,081	---

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	2018	---	---	---	---	---	---	\$442,100,547	---
30	January	2019	\$28,644,052	\$2,148,304	\$30,792,356	\$141,555	\$0	\$10,617	\$407,552,886	\$30,640,185
31	February	2019	\$13,619,250	\$1,021,444	\$14,640,693	\$6,841,512	\$6,354,081	\$36,557	\$415,315,510	\$38,402,809
32	March	2019	\$23,213,967	\$1,741,048	\$24,955,015	\$498,892	\$0	\$37,417	\$439,734,216	\$62,821,515
33	April	2019	\$20,541,517	\$1,540,614	\$22,082,130	\$479,465	\$0	\$35,960	\$461,300,922	\$84,388,221
34	May	2019	\$22,706,183	\$1,702,964	\$24,409,147	\$754,022	\$0	\$56,552	\$484,899,494	\$107,986,793
35	June	2019	\$23,187,247	\$1,739,043	\$24,926,290	\$1,797,384	\$691,910	\$82,911	\$507,945,490	\$131,032,789
36	July	2019	\$27,026,913	\$2,027,018	\$29,053,932	\$168,232	\$0	\$12,617	\$536,818,572	\$159,905,871
37	August	2019	\$29,369,435	\$2,202,708	\$31,572,142	\$632,199	\$173,868	\$34,375	\$567,724,140	\$190,811,440
38	September	2019	\$31,037,498	\$2,327,812	\$33,365,311	\$776,893	\$156,282	\$46,546	\$600,266,012	\$223,353,311
39	October	2019	\$20,905,414	\$1,567,906	\$22,473,320	\$598,232	\$0	\$44,867	\$622,096,233	\$245,183,532
40	November	2019	\$24,856,414	\$1,864,231	\$26,720,645	\$696,462	\$212,599	\$36,290	\$648,084,127	\$271,171,426
41	December	2019	\$29,894,493	\$2,242,087	\$32,136,580	\$8,311,542	\$5,614,082	\$202,310	\$671,706,856	\$294,794,155
42	January	2020	\$22,858,346	\$1,714,376	\$24,572,722	\$80,529	\$0	\$6,040	\$696,193,009	\$319,280,308
43	February	2020	\$32,794,585	\$2,459,594	\$35,254,179	\$80,529	\$0	\$6,040	\$731,360,620	\$354,447,919
44	March	2020	\$32,334,996	\$2,425,125	\$34,760,121	\$140,529	\$0	\$10,540	\$765,969,672	\$389,056,971
45	April	2020	\$28,995,632	\$2,174,672	\$31,170,305	\$230,529	\$0	\$17,290	\$796,892,158	\$419,979,457
46	May	2020	\$32,846,344	\$2,463,476	\$35,309,820	\$230,529	\$0	\$17,290	\$831,954,159	\$455,041,458
47	June	2020	\$27,445,173	\$2,058,388	\$29,503,561	\$80,529	\$0	\$6,040	\$861,371,151	\$484,458,451
48	July	2020	\$27,167,344	\$2,037,551	\$29,204,895	\$80,529	\$0	\$6,040	\$890,489,478	\$513,576,777
49	August	2020	\$28,984,344	\$2,173,826	\$31,158,170	\$80,529	\$0	\$6,040	\$921,561,079	\$544,648,378
50	September	2020	\$29,460,344	\$2,209,526	\$31,669,870	\$80,529	\$0	\$6,790	\$953,133,630	\$576,220,929
51	October	2020	\$31,031,404	\$2,327,355	\$33,358,759	\$90,529	\$0	\$6,790	\$986,395,071	\$609,482,370
52	November	2020	\$28,653,650	\$2,149,024	\$30,802,674	\$190,529	\$0	\$14,290	\$1,016,992,926	\$640,080,225
53	December	2020	\$31,532,939	\$2,364,970	\$33,897,910	\$43,140,404	\$16,523,166	\$1,996,293	\$1,005,754,139	\$628,841,438
54	13-Month Averages:									\$479,223,757

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 +	= C1 + C2	Unloaded Total Plant Adds	= (C4 - C5) * 16-Pint Add Line 74	= Prior Month C7 + C3 - C4 - C6	= C7 - Dec Prior Year C7	
			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
55	December	2018	---	---	---	---	---	---	\$156,282	---
56	January	2019	\$143,920	\$10,794	\$154,714	\$139,736	\$0	\$10,480	\$160,780	\$4,498
57	February	2019	\$468,437	\$35,133	\$503,569	\$446,086	\$0	\$33,456	\$184,807	\$28,525
58	March	2019	\$528,731	\$39,655	\$568,385	\$482,887	\$0	\$36,216	\$234,090	\$77,807
59	April	2019	-\$55,565	-\$4,167	-\$59,733	-\$55,565	\$0	-\$4,167	\$234,090	\$77,807
60	May	2019	\$219,022	\$16,427	\$235,449	\$219,022	\$0	\$16,427	\$234,090	\$77,807
61	June	2019	\$39,890	\$2,992	\$42,882	\$39,890	\$0	\$2,992	\$234,090	\$77,807
62	July	2019	\$132,890	\$9,967	\$142,857	\$132,890	\$0	\$9,967	\$234,090	\$77,807
63	August	2019	\$422,890	\$31,717	\$454,607	\$422,890	\$0	\$31,717	\$234,090	\$77,807
64	September	2019	\$522,890	\$39,217	\$562,107	\$751,551	\$156,282	\$44,645	\$0	-\$156,282
65	October	2019	\$572,890	\$42,967	\$615,857	\$572,890	\$0	\$42,967	\$0	-\$156,282
66	November	2019	\$422,890	\$31,717	\$454,607	\$422,890	\$0	\$31,717	\$0	-\$156,282
67	December	2019	\$227,890	\$17,092	\$244,982	\$227,890	\$0	\$17,092	\$0	-\$156,282
68	January	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
69	February	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
70	March	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
71	April	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
72	May	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
73	June	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
74	July	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
75	August	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
76	September	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
77	October	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
78	November	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
79	December	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$156,282
80	13-Month Averages:									-\$156,282

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	2018	---	---	---	---	---	---	\$0	---
82	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
83	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
84	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
86	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
87	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
88	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
89	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
90	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
91	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
92	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
93	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
94	January	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95	February	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
96	March	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
97	April	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
98	May	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
99	June	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
100	July	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
101	August	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
102	September	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103	October	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
104	November	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
105	December	2020	\$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	2018	---	---	---	---	---	---	\$5,220,452	---
108	January	2019	\$24,432	\$1,832	\$26,264	\$0	\$0	\$0	\$5,246,716	\$26,264
109	February	2019	\$26,402	\$1,980	\$28,382	\$0	\$0	\$0	\$5,275,098	\$54,647
110	March	2019	\$16,244	\$1,218	\$17,462	\$0	\$0	\$0	\$5,292,561	\$72,109
111	April	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,319,436	\$98,984
112	May	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,346,311	\$125,859
113	June	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,373,186	\$152,734
114	July	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,400,061	\$179,609
115	August	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,426,936	\$206,484
116	September	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,453,811	\$233,359
117	October	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,480,686	\$260,234
118	November	2019	\$25,000	\$1,875	\$26,875	\$0	\$0	\$0	\$5,507,561	\$287,109
119	December	2019	\$32,922	\$2,469	\$35,391	\$0	\$0	\$0	\$5,542,952	\$322,500
120	January	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
121	February	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
122	March	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
123	April	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
124	May	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
125	June	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
126	July	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
127	August	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$5,542,952	\$322,500
128	September	2020	\$600,000	\$45,000	\$645,000	\$0	\$0	\$0	\$6,187,952	\$967,500
129	October	2020	\$600,000	\$45,000	\$645,000	\$0	\$0	\$0	\$6,832,952	\$1,612,500
130	November	2020	\$600,000	\$45,000	\$645,000	\$0	\$0	\$0	\$7,477,952	\$2,257,500
131	December	2020	\$805,031	\$60,377	\$865,408	\$0	\$0	\$0	\$8,343,360	\$3,122,908
132	13-Month Averages:									
										\$835,608

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-Plnt 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
			Forecast Expenditures	Corporate Overheads	Total CWIP Exp					
133	December	2018							\$228,228,372	
134	January	2019	\$24,021,029	\$1,801,577	\$25,822,606	\$0	\$0	\$0	\$254,048,979	\$25,822,606
135	February	2019	\$12,270,680	\$920,301	\$13,190,981	\$6,392,767	\$6,354,081	\$2,901	\$260,844,292	\$32,617,919
136	March	2019	\$21,209,377	\$1,590,703	\$22,800,080	\$13,385	\$0	\$1,004	\$283,629,983	\$55,403,611
137	April	2019	\$13,401,500	\$1,005,113	\$14,406,613	\$535,000	\$0	\$40,125	\$297,461,471	\$69,235,098
138	May	2019	\$14,221,500	\$1,066,613	\$15,288,113	\$535,000	\$0	\$40,125	\$312,174,458	\$83,948,086
139	June	2019	\$13,236,500	\$992,738	\$14,229,238	\$550,000	\$0	\$41,250	\$325,812,446	\$97,586,073
140	July	2019	\$14,721,500	\$1,104,113	\$15,825,613	\$35,000	\$0	\$2,625	\$341,600,433	\$113,374,061
141	August	2019	\$12,282,056	\$921,154	\$13,203,210	\$208,967	\$173,868	\$2,632	\$354,592,043	\$126,365,671
142	September	2019	\$11,351,056	\$851,329	\$12,202,385	\$25,000	\$0	\$1,875	\$366,767,553	\$138,541,181
143	October	2019	\$13,331,556	\$999,867	\$14,331,422	\$25,000	\$0	\$1,875	\$381,072,100	\$152,845,728
144	November	2019	\$9,304,556	\$697,842	\$10,002,397	\$25,000	\$0	\$1,875	\$391,047,623	\$162,821,250
145	December	2019	\$9,030,391	\$677,279	\$9,707,670	\$4,470,422	\$2,676,093	\$134,575	\$396,150,296	\$167,923,924
146	January	2020	\$9,680,000	\$726,000	\$10,406,000	\$80,000	\$0	\$6,000	\$406,470,296	\$178,243,924
147	February	2020	\$13,180,000	\$988,500	\$14,168,500	\$80,000	\$0	\$6,000	\$420,552,796	\$192,326,424
148	March	2020	\$14,785,000	\$1,108,875	\$15,893,875	\$140,000	\$0	\$10,500	\$436,296,171	\$208,069,799
149	April	2020	\$13,420,000	\$1,006,500	\$14,426,500	\$230,000	\$0	\$17,250	\$450,475,421	\$222,249,049
150	May	2020	\$13,920,000	\$1,044,000	\$14,964,000	\$230,000	\$0	\$17,250	\$465,192,171	\$236,965,799
151	June	2020	\$11,180,000	\$838,500	\$12,018,500	\$80,000	\$0	\$6,000	\$477,124,671	\$248,898,299
152	July	2020	\$12,680,000	\$951,000	\$13,631,000	\$80,000	\$0	\$6,000	\$490,669,671	\$262,443,299
153	August	2020	\$14,680,000	\$1,101,000	\$15,781,000	\$80,000	\$0	\$6,000	\$506,364,671	\$278,138,299
154	September	2020	\$14,690,000	\$1,101,750	\$15,791,750	\$90,000	\$0	\$6,750	\$522,059,671	\$293,833,299
155	October	2020	\$14,699,230	\$1,102,442	\$15,801,672	\$90,000	\$0	\$6,750	\$537,764,593	\$309,538,221
156	November	2020	\$9,928,100	\$744,608	\$10,672,708	\$190,000	\$0	\$14,250	\$548,233,051	\$320,006,679
157	December	2020	\$7,930,724	\$594,804	\$8,525,528	\$230,000	\$0	\$17,250	\$556,511,329	\$328,284,957
158	13-Month Averages:									\$249,763,228

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	2018							\$0	
160	January	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
161	February	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
162	March	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
163	April	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
164	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
165	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
166	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
167	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
168	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
169	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
170	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
171	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
172	January	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
173	February	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
174	March	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
175	April	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
176	May	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
177	June	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
178	July	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
179	August	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
180	September	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
181	October	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
182	November	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
183	December	2020	\$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 Unload 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	2018	---	---	---	---	---	---	\$0	---
186	January	2019	\$1,819	\$136	\$1,955	\$1,819	\$0	\$136	\$0	\$0
187	February	2019	\$2,660	\$200	\$2,860	\$2,660	\$0	\$200	\$0	\$0
188	March	2019	\$2,620	\$197	\$2,817	\$2,620	\$0	\$197	\$0	\$0
189	April	2019	\$30	\$2	\$32	\$30	\$0	\$2	\$0	\$0
190	May	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
191	June	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
192	July	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
193	August	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
194	September	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
195	October	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
196	November	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
197	December	2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
198	January	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
199	February	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200	March	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
201	April	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
202	May	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
203	June	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
204	July	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
205	August	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
206	September	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
207	October	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
208	November	2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
209	December	2020	\$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	2018	---	---	---	---	---	---	\$0	---
212	January	2019	\$2,069	\$155	\$2,224	\$0	\$0	\$0	\$2,224	\$2,224
213	February	2019	\$1,119	\$84	\$1,203	\$0	\$0	\$0	\$3,427	\$3,427
214	March	2019	\$3,700	\$278	\$3,978	\$0	\$0	\$0	\$7,404	\$7,404
215	April	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$54,360	\$54,360
216	May	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$101,315	\$101,315
217	June	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$148,270	\$148,270
218	July	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$195,225	\$195,225
219	August	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$242,180	\$242,180
220	September	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$289,135	\$289,135
221	October	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$336,090	\$336,090
222	November	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$383,045	\$383,045
223	December	2019	\$43,679	\$3,276	\$46,955	\$0	\$0	\$0	\$430,000	\$430,000
224	January	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$1,855,852	\$1,855,852
225	February	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$3,281,704	\$3,281,704
226	March	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$4,707,555	\$4,707,555
227	April	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$6,133,407	\$6,133,407
228	May	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$7,559,259	\$7,559,259
229	June	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$8,985,111	\$8,985,111
230	July	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$10,410,962	\$10,410,962
231	August	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$11,836,814	\$11,836,814
232	September	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$13,262,666	\$13,262,666
233	October	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$14,688,518	\$14,688,518
234	November	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$16,114,370	\$16,114,370
235	December	2020	\$1,326,374	\$99,478	\$1,425,852	\$0	\$0	\$0	\$17,540,221	\$17,540,221
236	13-Month Averages:									
										\$8,985,111

3h) Project:			Mesa								
Line	Month	Year	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	
				= C1 * 16-Plnt Add Line 74	= C1 + C2	Unloaded Total Plant Adds	Prior Period CWIP Closed	Over Heads Closed to PIS	= (C4 - C5) * 16-Plnt Add Line 74 + C3 - C4 - C6	= 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	
237	December	2018							\$123,208,374		
238	January	2019	\$4,789,816	\$359,236	\$5,149,053	\$0	\$0	\$0	\$128,357,427	\$5,149,053	
239	February	2019	\$234,953	\$17,622	\$252,575	\$0	\$0	\$0	\$128,610,001	\$5,401,628	
240	March	2019	-\$106,248	-\$7,969	-\$114,217	\$0	\$0	\$0	\$128,495,785	\$5,287,411	
241	April	2019	\$6,590,834	\$494,313	\$7,085,147	\$0	\$0	\$0	\$135,580,932	\$12,372,558	
242	May	2019	\$7,486,034	\$561,453	\$8,047,487	\$0	\$0	\$0	\$143,628,419	\$20,420,045	
243	June	2019	\$4,489,600	\$336,720	\$4,826,320	\$1,207,494	\$691,910	\$38,669	\$147,208,576	\$24,000,202	
244	July	2019	\$10,179,604	\$763,470	\$10,943,074	\$342	\$0	\$26	\$158,151,282	\$34,942,908	
245	August	2019	\$3,856,109	\$289,208	\$4,145,317	\$342	\$0	\$26	\$162,296,231	\$39,087,857	
246	September	2019	\$14,565,954	\$1,092,447	\$15,658,401	\$342	\$0	\$26	\$177,954,264	\$54,745,890	
247	October	2019	\$4,199,628	\$314,972	\$4,514,600	\$342	\$0	\$26	\$182,468,497	\$59,260,123	
248	November	2019	\$7,137,826	\$535,337	\$7,673,163	\$248,572	\$212,599	\$2,698	\$189,890,390	\$66,682,016	
249	December	2019	\$19,618,568	\$1,471,393	\$21,089,961	\$3,613,230	\$2,937,989	\$50,643	\$207,316,478	\$84,108,104	
250	January	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$217,682,725	\$94,474,351	
251	February	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$228,048,971	\$104,840,597	
252	March	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$238,415,218	\$115,206,844	
253	April	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$248,781,464	\$125,573,090	
254	May	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$259,147,711	\$135,939,337	
255	June	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$269,513,957	\$146,305,583	
256	July	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$279,880,204	\$156,671,830	
257	August	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$290,246,450	\$167,038,076	
258	September	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$300,612,697	\$177,404,323	
259	October	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$310,978,943	\$187,770,569	
260	November	2020	\$9,643,549	\$723,266	\$10,366,815	\$529	\$0	\$40	\$321,345,190	\$198,136,816	
261	December	2020	\$12,302,834	\$922,713	\$13,225,547	\$42,910,404	\$16,523,166	\$1,979,043	\$289,681,289	\$166,472,915	
262	13-Month Averages:									\$143,072,495	

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	2018							\$20,101,220	
264	January	2019	\$104,967	\$7,872	\$112,839	\$0	\$0	\$0	\$20,214,060	\$112,839
265	February	2019	\$62,896	\$4,717	\$67,613	\$0	\$0	\$0	\$20,281,673	\$180,452
266	March	2019	\$33,044	\$2,478	\$35,523	\$0	\$0	\$0	\$20,317,195	\$215,975
267	April	2019	\$103,038	\$7,728	\$110,766	\$0	\$0	\$0	\$20,427,962	\$326,741
268	May	2019	\$67,947	\$5,096	\$73,043	\$0	\$0	\$0	\$20,501,005	\$399,784
269	June	2019	\$70,661	\$5,300	\$75,961	\$0	\$0	\$0	\$20,576,966	\$475,745
270	July	2019	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$20,647,294	\$546,073
271	August	2019	\$70,661	\$5,300	\$75,961	\$0	\$0	\$0	\$20,723,255	\$622,034
272	September	2019	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$20,793,583	\$692,362
273	October	2019	\$70,661	\$5,300	\$75,961	\$0	\$0	\$0	\$20,869,544	\$768,323
274	November	2019	\$44,463	\$3,335	\$47,798	\$0	\$0	\$0	\$20,917,342	\$816,121
275	December	2019	\$26,043	\$1,953	\$27,996	\$0	\$0	\$0	\$20,945,338	\$844,117
276	January	2020	\$65,423	\$4,907	\$70,330	\$0	\$0	\$0	\$21,015,668	\$914,448
277	February	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,085,996	\$984,776
278	March	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,156,324	\$1,055,104
279	April	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,226,652	\$1,125,432
280	May	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,296,980	\$1,195,760
281	June	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,367,308	\$1,266,088
282	July	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,437,636	\$1,336,416
283	August	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,507,964	\$1,406,744
284	September	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,578,292	\$1,477,072
285	October	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,648,620	\$1,547,400
286	November	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,718,948	\$1,617,728
287	December	2020	\$65,421	\$4,907	\$70,328	\$0	\$0	\$0	\$21,789,276	\$1,688,056
288	13-Month Averages:									\$1,266,088

3j) Project:		ELM Series Capacitors								
		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	
		= C1 *		= C1 + C2		= (C4 - C5) *		= Prior Month C7	= C7 -	
		16-Pint Add Line 74				16-Pint Add Line 74		+ C3 - C4 - C6	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	2018	---	---	---	---	---	---	\$0	---
290	January	2019	-\$443,999	-\$33,300	-\$477,299	\$0	\$0	\$0	-\$477,299	-\$477,299
291	February	2019	\$552,103	\$41,408	\$593,511	\$0	\$0	\$0	\$116,212	\$116,212
292	March	2019	\$1,526,499	\$114,487	\$1,640,986	\$0	\$0	\$0	\$1,757,198	\$1,757,198
293	April	2019	\$433,000	\$32,475	\$465,475	\$0	\$0	\$0	\$2,222,673	\$2,222,673
294	May	2019	\$643,000	\$48,225	\$691,225	\$0	\$0	\$0	\$2,913,898	\$2,913,898
295	June	2019	\$5,281,916	\$396,144	\$5,678,060	\$0	\$0	\$0	\$8,591,958	\$8,591,958
296	July	2019	\$1,858,819	\$139,411	\$1,998,230	\$0	\$0	\$0	\$10,590,188	\$10,590,188
297	August	2019	\$12,669,040	\$950,178	\$13,619,218	\$0	\$0	\$0	\$24,209,406	\$24,209,406
298	September	2019	\$4,463,498	\$334,762	\$4,798,260	\$0	\$0	\$0	\$29,007,667	\$29,007,667
299	October	2019	\$2,662,000	\$199,650	\$2,861,650	\$0	\$0	\$0	\$31,869,317	\$31,869,317
300	November	2019	\$7,878,000	\$590,850	\$8,468,850	\$0	\$0	\$0	\$40,338,167	\$40,338,167
301	December	2019	\$915,000	\$68,625	\$983,625	\$0	\$0	\$0	\$41,321,792	\$41,321,792
302	January	2020	\$2,143,000	\$160,725	\$2,303,725	\$0	\$0	\$0	\$43,625,517	\$43,625,517
303	February	2020	\$8,579,241	\$643,443	\$9,222,684	\$0	\$0	\$0	\$52,848,201	\$52,848,201
304	March	2020	\$6,514,652	\$488,599	\$7,003,251	\$0	\$0	\$0	\$59,851,452	\$59,851,452
305	April	2020	\$4,540,288	\$340,522	\$4,880,810	\$0	\$0	\$0	\$64,732,261	\$64,732,261
306	May	2020	\$7,891,000	\$591,825	\$8,482,825	\$0	\$0	\$0	\$73,215,086	\$73,215,086
307	June	2020	\$5,229,829	\$392,237	\$5,622,066	\$0	\$0	\$0	\$78,837,152	\$78,837,152
308	July	2020	\$3,452,000	\$258,900	\$3,710,900	\$0	\$0	\$0	\$82,548,052	\$82,548,052
309	August	2020	\$3,269,000	\$245,175	\$3,514,175	\$0	\$0	\$0	\$86,062,227	\$86,062,227
310	September	2020	\$3,135,000	\$235,125	\$3,370,125	\$0	\$0	\$0	\$89,432,352	\$89,432,352
311	October	2020	\$4,696,830	\$352,262	\$5,049,092	\$0	\$0	\$0	\$94,481,445	\$94,481,445
312	November	2020	\$7,090,206	\$531,765	\$7,621,971	\$0	\$0	\$0	\$102,103,416	\$102,103,416
313	December	2020	\$9,102,555	\$682,692	\$9,785,247	\$0	\$0	\$0	\$111,888,663	\$111,888,663
314	13-Month Averages:									\$75,457,509

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 *		= C1 + C2		= (C4 - C5) *		= Prior Month C7	= C7 -	
		16-Pint Add Line 74				16-Pint Add Line 74		+ C3 - C4 - C6	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	2018	---	---	---	---	---	---	\$0	---
316	January	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
317	February	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
318	March	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
319	April	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
320	May	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
321	June	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
322	July	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
323	August	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
324	September	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
325	October	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
326	November	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
327	December	2019	---	\$0	\$0	---	---	\$0	\$0	\$0
328	January	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
329	February	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
330	March	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
331	April	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
332	May	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
333	June	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
334	July	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
335	August	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
336	September	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
337	October	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
338	November	2020	---	\$0	\$0	---	---	\$0	\$0	\$0
339	December	2020	---	\$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	\$15,781,292	\$30,786,587	FF1 page 214.47d

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

	<u>Col 1</u>	<u>Col 2</u> Type	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>
	<u>Description</u>	<u>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:	5.743%	5.743%	27-Allocators, L 5 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		\$5,839,137	\$20,844,432	Note 1
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						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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	2017	FF1 227.12b	\$238,006,741	Beginning of year ("BOY") amount
2	January	2018	SCE Records	\$237,304,148	
3	February	2018	SCE Records	\$239,841,033	
4	March	2018	SCE Records	\$244,159,656	
5	April	2018	SCE Records	\$247,338,969	
6	May	2018	SCE Records	\$252,131,396	
7	June	2018	SCE Records	\$251,129,665	
8	July	2018	SCE Records	\$253,822,278	
9	August	2018	SCE Records	\$257,294,453	
10	September	2018	SCE Records	\$259,921,486	
11	October	2018	SCE Records	\$265,467,745	
12	November	2018	SCE Records	\$270,331,690	
13	December	2018	FF1 227.12c	\$279,666,024	End of Year ("EOY") amount
14	13-Month Average Value Account 154:			\$253,570,406	(Sum Line 1 to Line 13) / 13 27-Allocators, Line 5 9
15	Transmission Wages and Salaries AF:			5.743%	
16	Materials and Supplies EOY Value:			\$16,060,255	Line 13 * Line 15
17	13-Month Average Value:			\$14,561,674	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	2017	Note 1, c	\$227,852,643	See Note 1, c
19	January	2018	SCE Records	\$203,222,045	
20	February	2018	SCE Records	\$192,389,429	
21	March	2018	SCE Records	\$164,188,104	
22	April	2018	SCE Records	\$197,043,565	
23	May	2018	SCE Records	\$177,668,447	
24	June	2018	SCE Records	\$255,103,006	
25	July	2018	SCE Records	\$247,953,030	
26	August	2018	SCE Records	\$217,766,527	
27	September	2018	SCE Records	\$181,251,191	
28	October	2018	SCE Records	\$152,689,618	
29	November	2018	SCE Records	\$187,157,440	
30	December	2018	Note 1, f	\$144,353,946	See Note 1, f

a) 13-Month Average Calculation

31	13-Month Average Value:			\$196,049,153.21	(Sum Line 18 to Line 30) / 13 27-Allocators, Line 5 9 Line 31 * Line 32
32	Transmission Wages and Salaries AF:			5.7427%	
33	Prepayments:			\$11,258,427	

b) EOY calculation

34	EOY Value:			\$144,353,946	Line 30
35	Transmission Wages and Salaries AF:			5.7427%	27-Allocators, Line 5 9
36	Prepayments:			\$8,289,749	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:	\$227,852,643	FF1 111.57d
b	Prior Period Adjustment:		Note 1
c	BOY Prepayments Amount: \$	227,852,643	a - b

End of Year Amount

		Prepayments Balances	Source
d	FERC Form 1 Acct. 165 Recorded Amount:	\$144,353,946	FF1 111.57c
e	Prior Period Adjustment:		Note 1
f	EOY Prepayments Amount: \$	144,353,946	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	\$156,282	\$154,730	-\$156,282	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	\$5,220,452	\$5,033,407	\$835,608	10-CWIP Lines 13, 14, and 132
4	4) West of Devers	\$228,226,372	\$143,710,303	\$249,763,228	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	\$0	\$0	10-CWIP Lines 27, 28, and 210
7	7) Colorado River Sub. Exp.	\$0	\$0	\$8,985,111	10-CWIP Lines 27, 28, and 236
8	8) Mesa	\$123,208,374	\$84,051,373	\$143,072,495	10-CWIP Lines 27, 28, and 262
9	9) Alberhill	\$20,101,220	\$18,124,041	\$1,266,088	10-CWIP Lines 27, 28, and 288
10	10) ELM Series Caps	\$65,187,847	\$46,148,081	\$75,457,509	10-CWIP Lines 27, 28, and 314
11	...	---	---	---	---
12	Totals:	\$442,100,547	\$297,221,934	\$479,223,757	

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	\$145,492,994	\$0	\$145,492,994	Line 37, C4
14	2) Tehachapi	\$2,663,122,730	\$156,282	\$2,662,966,447	Line 1, C1, and Line 37, C2
15	3) Devers-Colorado River	\$669,164,921	\$0	\$669,164,921	Line 2, C1, and Line 37, C3
16	...	---	---	---	---
17					
18	Total PY Incentive Net Plant:	\$3,477,780,645			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	\$147,862,518	\$0	\$147,862,518	Line 38, C4
20	2) Tehachapi	\$2,693,150,442	\$154,730	\$2,692,995,712	Line 1, C2, and Line 38, C2
21	3) Devers-Colorado R	\$678,332,000	\$0	\$678,332,000	Line 2, C2, and Line 38, C3
22	...	---	---	---	---
23					
24	Total PY Incentive Net Plant:	\$3,519,344,961			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	2017	\$3,566,534,659	\$2,728,550,276	\$687,752,340	\$150,232,043	←December of
26	January	2018	\$3,558,418,257	\$2,722,470,452	\$686,110,683	\$149,837,122	year previous
27	February	2018	\$3,550,675,231	\$2,716,764,003	\$684,469,027	\$149,442,201	to Prior Year
28	March	2018	\$3,537,623,260	\$2,705,748,610	\$682,827,370	\$149,047,281	
29	April	2018	\$3,529,573,487	\$2,699,735,414	\$681,185,713	\$148,652,360	
30	May	2018	\$3,520,915,295	\$2,693,113,800	\$679,544,056	\$148,257,439	
31	June	2018	\$3,513,773,544	\$2,688,007,655	\$677,903,371	\$147,862,518	
32	July	2018	\$3,505,606,086	\$2,681,876,824	\$676,261,665	\$147,467,597	
33	August	2018	\$3,509,334,306	\$2,686,523,935	\$675,737,694	\$147,072,677	
34	September	2018	\$3,501,122,842	\$2,680,347,959	\$674,097,128	\$146,677,756	
35	October	2018	\$3,492,955,377	\$2,674,219,487	\$672,453,055	\$146,282,835	
36	November	2018	\$3,485,316,291	\$2,668,619,396	\$670,808,980	\$145,887,914	
37	December	2018	<u>\$3,477,624,362</u>	<u>\$2,662,966,447</u>	<u>\$669,164,921</u>	<u>\$145,492,994</u>	
38	13 Month Averages:		\$3,519,190,231	\$2,692,995,712	\$678,332,000	\$147,862,518	

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	2017	\$0	\$0	C1: Sum of below projects
40	January	2018	\$327,078	\$0	for each month
41	February	2018	\$696,590	\$0	
42	March	2018	-\$4,611,326	\$0	
43	April	2018	\$320,750	\$0	
44	May	2018	\$755,652	\$0	
45	June	2018	\$7,851,490	\$0	
46	July	2018	\$243,858	\$0	
47	August	2018	\$16,199,745	\$0	
48	September	2018	\$248,371	\$0	
49	October	2018	\$307,858	\$0	
50	November	2018	\$814,355	\$0	
51	December	2018	<u>\$768,886</u>	<u>\$0</u>	
52	Total		\$23,923,307	\$0	

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	2017	\$3,042,408,308	\$313,858,031	\$2,728,550,276
54	January	2018	\$3,042,721,832	\$320,251,380	\$2,722,470,452
55	February	2018	\$3,043,409,824	\$326,645,821	\$2,716,764,003
56	March	2018	\$3,038,790,330	\$333,041,721	\$2,705,748,610
57	April	2018	\$3,039,161,611	\$339,426,197	\$2,699,735,414
58	May	2018	\$3,038,925,134	\$345,811,335	\$2,693,113,800
59	June	2018	\$3,040,203,649	\$352,195,995	\$2,688,007,655
60	July	2018	\$3,040,460,234	\$358,583,410	\$2,681,876,824
61	August	2018	\$3,052,516,013	\$365,992,078	\$2,686,523,935
62	September	2018	\$3,052,753,492	\$372,405,534	\$2,680,347,959
63	October	2018	\$3,053,038,983	\$378,819,496	\$2,674,219,487
64	November	2018	\$3,053,853,430	\$385,234,034	\$2,668,619,396
65	December	2018	<u>\$3,054,617,061</u>	<u>\$391,650,614</u>	<u>\$2,662,966,447</u>

b) Rancho Vista		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	
66	December	2017	\$191,500,874	\$41,268,831	\$150,232,043	\$0
67	January	2018	\$191,500,874	\$41,663,752	\$149,837,122	\$0
68	February	2018	\$191,500,874	\$42,058,672	\$149,442,201	\$0
69	March	2018	\$191,500,874	\$42,453,593	\$149,047,281	\$0
70	April	2018	\$191,500,874	\$42,848,514	\$148,652,360	\$0
71	May	2018	\$191,500,874	\$43,243,435	\$148,257,439	\$0
72	June	2018	\$191,500,874	\$43,638,355	\$147,862,518	\$0
73	July	2018	\$191,500,874	\$44,033,276	\$147,467,597	\$0
74	August	2018	\$191,500,874	\$44,428,197	\$147,072,677	\$0
75	September	2018	\$191,500,874	\$44,823,118	\$146,677,756	\$0
76	October	2018	\$191,500,874	\$45,218,038	\$146,282,835	\$0
77	November	2018	\$191,500,874	\$45,612,959	\$145,887,914	\$0
78	December	2018	\$191,500,874	\$46,007,880	\$145,492,994	\$0

c) Devers to Colorado River		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	
79	December	2017	\$773,570,554	\$85,818,214	\$687,752,340	\$0
80	January	2018	\$773,570,554	\$87,459,871	\$686,110,683	\$0
81	February	2018	\$773,570,554	\$89,101,527	\$684,469,027	\$0
82	March	2018	\$773,570,554	\$90,743,184	\$682,827,370	\$0
83	April	2018	\$773,570,554	\$92,384,841	\$681,185,713	\$0
84	May	2018	\$773,570,553	\$94,026,497	\$679,544,056	\$0
85	June	2018	\$773,571,525	\$95,668,154	\$677,903,371	\$972
86	July	2018	\$773,571,478	\$97,309,813	\$676,261,665	-\$47
87	August	2018	\$774,689,166	\$98,951,472	\$675,737,694	\$1,117,688
88	September	2018	\$774,692,652	\$100,595,524	\$674,097,128	\$3,486
89	October	2018	\$774,692,638	\$102,239,583	\$672,453,055	-\$13
90	November	2018	\$774,692,623	\$103,883,642	\$670,808,980	-\$15
91	December	2018	\$774,692,623	\$105,527,702	\$669,164,921	\$0

d) South of Kramer		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	
92	December	2017	\$0	\$0	\$0	\$0
93	January	2018	\$0	\$0	\$0	\$0
94	February	2018	\$0	\$0	\$0	\$0
95	March	2018	\$0	\$0	\$0	\$0
96	April	2018	\$0	\$0	\$0	\$0
97	May	2018	\$0	\$0	\$0	\$0
98	June	2018	\$0	\$0	\$0	\$0
99	July	2018	\$0	\$0	\$0	\$0
100	August	2018	\$0	\$0	\$0	\$0
101	September	2018	\$0	\$0	\$0	\$0
102	October	2018	\$0	\$0	\$0	\$0
103	November	2018	\$0	\$0	\$0	\$0
104	December	2018	\$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	2017	\$0	\$0	\$0
106	January	2018	\$0	\$0	\$0
107	February	2018	\$0	\$0	\$0
108	March	2018	\$0	\$0	\$0
109	April	2018	\$0	\$0	\$0
110	May	2018	\$0	\$0	\$0
111	June	2018	\$0	\$0	\$0
112	July	2018	\$0	\$0	\$0
113	August	2018	\$3,026,397	\$3,026,397	\$3,026,397
114	September	2018	\$3,026,222	\$6,229	-\$175
115	October	2018	\$3,041,796	\$12,458	\$15,574
116	November	2018	\$3,043,059	\$18,719	\$1,263
117	December	2018	\$3,046,911	\$24,983	\$3,852

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	2017	\$235,653,723	\$25,546,854	\$0
119	January	2018	\$235,653,723	\$26,043,605	\$0
120	February	2018	\$235,653,723	\$26,540,356	\$0
121	March	2018	\$235,653,723	\$27,037,106	\$0
122	April	2018	\$235,653,723	\$27,533,857	\$0
123	May	2018	\$235,653,723	\$28,030,607	\$0
124	June	2018	\$235,653,723	\$28,527,358	\$0
125	July	2018	\$235,653,723	\$29,024,108	\$0
126	August	2018	\$235,653,723	\$29,520,859	\$0
127	September	2018	\$235,653,723	\$30,017,610	\$0
128	October	2018	\$235,653,784	\$30,514,360	\$61
129	November	2018	\$235,653,781	\$31,011,111	-\$3
130	December	2018	\$235,653,781	\$31,507,862	\$0

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	2017	\$87,531,655	\$4,897,105	\$0
132	January	2018	\$87,544,339	\$5,077,375	\$12,684
133	February	2018	\$87,551,178	\$5,257,671	\$6,839
134	March	2018	\$87,558,240	\$5,437,981	\$7,062
135	April	2018	\$87,558,733	\$5,618,306	\$494
136	May	2018	\$87,567,792	\$5,798,632	\$9,059
137	June	2018	\$87,585,661	\$5,978,977	\$17,869
138	July	2018	\$87,554,471	\$6,159,358	-\$31,190
139	August	2018	\$87,554,226	\$6,339,675	-\$245
140	September	2018	\$87,560,374	\$6,519,991	\$6,147
141	October	2018	\$87,573,156	\$6,700,321	\$12,783
142	November	2018	\$87,571,820	\$6,880,676	-\$1,336
143	December	2018	\$87,571,820	\$7,061,029	\$0

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	2017	\$71,499,907	\$7,769,637	\$63,730,269	\$0
145	January	2018	\$71,500,777	\$7,917,799	\$63,582,978	\$870
146	February	2018	\$71,502,536	\$8,065,962	\$63,436,574	\$1,759
147	March	2018	\$71,503,641	\$8,214,128	\$63,289,513	\$1,105
148	April	2018	\$71,452,617	\$8,362,297	\$63,090,320	-\$51,024
149	May	2018	\$71,454,563	\$8,510,361	\$62,944,202	\$1,946
150	June	2018	\$71,460,731	\$8,658,429	\$62,802,302	\$6,168
151	July	2018	\$71,461,054	\$8,806,510	\$62,654,544	\$323
152	August	2018	\$71,461,054	\$8,954,591	\$62,506,463	\$0
153	September	2018	\$71,460,709	\$9,102,673	\$62,358,036	-\$345
154	October	2018	\$71,454,672	\$9,250,753	\$62,203,919	-\$6,037
155	November	2018	\$71,454,672	\$9,398,821	\$62,055,851	\$0
156	December	2018	\$71,454,672	\$9,546,889	\$61,907,783	\$0

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	2017	\$1,657,268	\$0	\$1,657,268	\$0
158	January	2018	\$1,657,268	\$0	\$1,657,268	\$0
159	February	2018	\$1,657,268	\$0	\$1,657,268	\$0
160	March	2018	\$1,657,268	\$0	\$1,657,268	\$0
161	April	2018	\$1,657,268	\$0	\$1,657,268	\$0
162	May	2018	\$2,638,392	\$0	\$2,638,392	\$981,124
163	June	2018	\$9,186,358	\$2,494	\$9,183,865	\$6,547,966
164	July	2018	\$9,204,547	\$18,612	\$9,185,935	\$18,189
165	August	2018	\$9,204,673	\$34,775	\$9,169,897	\$126
166	September	2018	\$9,206,451	\$50,939	\$9,155,512	\$1,778
167	October	2018	\$9,206,451	\$67,106	\$9,139,345	\$0
168	November	2018	\$9,206,451	\$83,274	\$9,123,177	\$0
169	December	2018	\$9,207,853	\$99,442	\$9,108,412	\$1,402

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	2017	\$0	\$0	\$0	\$0
171	January	2018	\$0	\$0	\$0	\$0
172	February	2018	\$0	\$0	\$0	\$0
173	March	2018	\$0	\$0	\$0	\$0
174	April	2018	\$0	\$0	\$0	\$0
175	May	2018	\$0	\$0	\$0	\$0
176	June	2018	\$0	\$0	\$0	\$0
177	July	2018	\$0	\$0	\$0	\$0
178	August	2018	\$0	\$0	\$0	\$0
179	September	2018	\$0	\$0	\$0	\$0
180	October	2018	\$0	\$0	\$0	\$0
181	November	2018	\$0	\$0	\$0	\$0
182	December	2018	\$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	2017	\$0	\$0	\$0
184	January	2018	\$0	\$0	\$0
185	February	2018	\$0	\$0	\$0
186	March	2018	\$0	\$0	\$0
187	April	2018	\$0	\$0	\$0
188	May	2018	\$0	\$0	\$0
189	June	2018	\$0	\$0	\$0
190	July	2018	\$0	\$0	\$0
191	August	2018	\$0	\$0	\$0
192	September	2018	\$0	\$0	\$0
193	October	2018	\$0	\$0	\$0
194	November	2018	\$0	\$0	\$0
195	December	2018	\$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	46.6495%	1-BaseTRR, L 47
2	CTR = Composite Tax Rate	27.9836%	1-BaseTRR, L 59
3	IREF =	\$6,478	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%	14-IncentivePlant, L 197
5	2) Tehachapi	1.25%	14-IncentivePlant, L 200
6	3) Devers to Col. River	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	0.75	\$706,837	14-IncentivePlant, L 13, Col. 1
10	2) Tehachapi	1.25	\$21,563,390	14-IncentivePlant, L 14, Col. 1
11	3) Devers to Col. River	1.00	\$4,334,600	14-IncentivePlant, L 15, Col. 1
12				
13	...			
14		Prior Year Incentive Adder =	\$26,604,827	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	0.75	\$718,349	14-IncentivePlant, L 19, Col. 1
16	2) Tehachapi	1.25	\$21,806,525	14-IncentivePlant, L 20, Col. 1
17	3) Devers to Col. River	1.00	\$4,393,981	14-IncentivePlant, L 21, Col. 1
18				
19	...			
20		True-Up Incentive Adder =	\$26,918,854	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</u>	
		<u>In Service</u>	<u>Source</u>
21	1) Rancho Vista	\$147,862,518	14-IncentivePlant, L 19, Col. 3
22	2) Tehachapi	\$2,692,995,712	14-IncentivePlant, L 20, Col. 3
23	3) Devers to Col. River	\$678,332,000	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</u>	<u>Col 2</u>	<u>Source</u>
		<u>True Up Incentive Adder</u>	<u>After-Tax True Up Incentive Adder</u>	
25	1) Rancho Vista	\$718,349	\$517,329	See Note 1
26	2) Tehachapi	\$21,805,272	\$15,703,372	See Note 1
27	3) Devers to Col. River	\$4,393,981	\$3,164,387	See Note 1
28				See Note 1
29	...			
30		Total:	\$19,385,088	

c) Equity Portion of Plant In Service Rate Base

<u>Line</u>		<u>Amount</u>	<u>Source</u>
31	Total Rate Base:	\$5,679,018,539	4-TUTRR, Line 18
32	CWIP Portion of Rate Base:	<u>\$297,221,934</u>	4-TUTRR, Line 14
33	Plant In Service Rate Base:	\$5,381,796,604	Line 31 - Line 32
34	Equity percentage:	46.6495%	1-BaseTRR, Line 47
35	Equity Portion of Plant In Service Rate Base:	\$2,510,582,681	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:	0.77%	Line 30 / Line 35
37	Base ROE (Including 50 basis point		
38	CAISO Participation Adder):	<u>11.20%</u>	1-BaseTRR, Line 50
39	Total ROE for Plant In Service in True Up TRR:	11.97%	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).

Forecast Plant Additions for In-Service ISO Transmission Plant

Yellow shaded cells are Input Data

Forecast Plant Additions represents the total increase in ISO Transmission Net Plant, not including CWIP, during the Rate Year, incremental to the year-end Prior Year amount. It is calculated on a 13-Month Average Basis during the Rate Year.

1) Total Plant Additions 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	
			See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2
			Unloaded	Total	Prior Period	Over Heads	Cost of	Eligible Plant	AFUDC	Incremental	Depreciation	Incremental	Net Plant	Low Voltage	Loaded
			CWIP Closed	Closed to PIS	Removal	Additions		Gross Plant	Accrual	Reserve		Additions	Additions		
1	January	2019	\$28,177,858	\$6,281,866	\$1,642,199	\$1,870,882	\$21,515,139	\$645,454	\$28,594,630	\$0	-\$1,870,882	\$30,465,512	\$304,089	\$309,137	
2	February	2019	\$26,565,911	\$8,098,569	\$1,385,051	\$1,546,272	\$17,782,132	\$533,464	\$55,532,784	\$60,684	-\$3,356,470	\$58,889,254	\$608,179	\$618,275	
3	March	2019	\$19,803,323	\$1,470,853	\$1,374,935	\$1,533,688	\$17,637,409	\$529,122	\$75,706,477	\$117,853	-\$4,772,305	\$80,478,782	\$912,268	\$927,412	
4	April	2019	\$21,839,234	\$1,877,034	\$1,497,165	\$1,675,515	\$19,268,426	\$578,053	\$97,945,413	\$160,665	-\$6,287,155	\$104,232,568	\$1,216,358	\$1,236,550	
5	May	2019	\$33,907,404	\$13,728,302	\$1,513,433	\$1,670,557	\$19,211,404	\$576,342	\$132,272,035	\$207,861	-\$7,749,851	\$140,021,886	\$1,520,447	\$1,545,687	
6	June	2019	\$33,093,801	\$3,610,439	\$2,211,252	\$2,440,498	\$28,065,730	\$841,972	\$165,978,561	\$280,710	-\$9,909,639	\$175,888,200	\$1,824,537	\$1,854,824	
7	July	2019	\$36,539,932	\$12,397,414	\$1,810,689	\$2,061,789	\$23,710,568	\$711,317	\$202,978,710	\$352,242	-\$11,619,185	\$214,597,896	\$2,128,626	\$2,163,962	
8	August	2019	\$31,268,656	\$10,294,450	\$1,573,065	\$1,764,365	\$20,290,200	\$608,706	\$234,664,773	\$430,765	-\$12,952,786	\$247,617,559	\$2,432,716	\$2,473,099	
9	September	2019	\$22,807,128	\$4,046,086	\$1,407,078	\$1,560,077	\$17,940,887	\$538,227	\$257,857,129	\$498,009	-\$14,014,854	\$271,871,982	\$2,736,805	\$2,782,236	
10	October	2019	\$28,610,640	\$8,635,814	\$1,498,112	\$1,666,387	\$19,163,451	\$574,904	\$286,874,397	\$547,229	-\$15,134,012	\$302,008,409	\$3,040,895	\$3,091,374	
11	November	2019	\$40,868,277	\$19,044,218	\$1,636,804	\$1,835,257	\$21,105,454	\$633,164	\$328,177,385	\$608,809	-\$16,360,460	\$344,537,845	\$3,344,984	\$3,400,511	
12	December	2019	\$75,601,842	\$37,391,700	\$2,865,761	\$3,054,091	\$35,122,042	\$1,053,661	\$404,644,558	\$696,463	-\$18,718,087	\$423,362,645	\$3,649,074	\$3,709,649	
13	January	2020	\$54,828,169	\$5,430,333	\$3,704,838	\$4,241,288	\$48,774,817	\$1,463,245	\$460,399,521	\$858,743	-\$22,100,632	\$482,500,154	\$3,879,922	\$3,944,329	
14	February	2020	\$15,888,961	\$0	\$1,191,672	\$1,359,525	\$15,634,539	\$469,036	\$476,589,665	\$977,067	-\$22,483,090	\$499,072,755	\$4,110,771	\$4,179,010	
15	March	2020	\$15,948,961	\$0	\$1,196,172	\$1,359,525	\$15,634,539	\$469,036	\$492,844,309	\$1,011,426	-\$22,831,189	\$515,675,498	\$4,341,620	\$4,413,690	
16	April	2020	\$25,466,240	\$49,379	\$1,906,265	\$2,166,025	\$24,909,282	\$747,278	\$518,798,067	\$1,045,922	-\$23,951,292	\$542,749,359	\$4,572,468	\$4,648,371	
17	May	2020	\$39,678,093	\$2,622,463	\$2,779,182	\$3,166,959	\$36,420,025	\$1,092,601	\$559,180,975	\$1,101,002	-\$26,017,249	\$585,198,224	\$585,198,224	\$4,883,052	
18	June	2020	\$25,794,206	\$200,067	\$1,919,560	\$2,194,170	\$25,232,960	\$756,989	\$585,457,560	\$1,186,703	-\$27,024,717	\$612,482,276	\$5,126,728	\$5,211,832	
19	July	2020	\$15,888,961	\$0	\$1,191,672	\$1,359,525	\$15,634,539	\$469,036	\$601,647,703	\$1,242,467	-\$27,141,774	\$628,789,478	\$5,357,577	\$5,446,513	
20	August	2020	\$25,027,382	\$1,489,047	\$1,765,375	\$2,017,371	\$23,199,770	\$695,993	\$627,119,082	\$1,276,826	-\$27,882,319	\$655,001,401	\$12,043,634	\$12,243,558	
21	September	2020	\$15,898,961	\$0	\$1,192,422	\$1,359,525	\$15,634,539	\$469,036	\$643,319,976	\$1,330,882	-\$27,910,962	\$671,230,938	\$12,274,482	\$12,478,239	
22	October	2020	\$17,046,693	\$39,909	\$1,275,509	\$1,454,798	\$16,730,176	\$501,905	\$660,689,285	\$1,365,264	-\$28,000,496	\$688,689,782	\$13,653,064	\$13,879,705	
23	November	2020	\$16,738,347	\$1,347	\$1,255,275	\$1,422,997	\$16,364,460	\$490,934	\$677,750,845	\$1,402,125	-\$28,021,368	\$705,772,212	\$13,883,912	\$14,114,385	
24	December	2020	\$223,331,825	\$111,596,965	\$8,380,115	\$7,320,116	\$84,181,329	\$2,525,440	\$904,668,109	\$1,438,334	-\$33,903,150	\$938,571,259	\$14,114,761	\$14,349,066	
25	13-Month Averages:								\$585,623,820			\$611,468,922		\$7,961,646	

2) 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	
			C4 10-CWIP	C5 10-CWIP	C6 10-CWIP	N/A	N/A	N/A	= Prior Month C7	= Prior Month C7	= Prior Month C9				
			L30-53	L30-53	L30-53				+C1+C3	* L91/12	- C4 + C8	=C7-C9	Unloaded	Loaded	
	Unloaded	Prior Period	Over Heads	Cost of	Eligible Plant	AFUDC	Incremental	Depreciation		Reserve	Net Plant	Additions	Additions		
	Total	CWIP Closed	Closed to PIS	Removal	Additions		Gross Plant	Accrual							
26	January	2019	\$141,555	\$0	\$10,617	\$0	\$0	\$0	\$152,171	\$0	\$0	\$152,171	\$0	\$0	
27	February	2019	\$6,841,512	\$6,354,081	\$36,557	\$0	\$0	\$0	\$7,030,241	\$323	\$323	\$7,029,918	\$0	\$0	
28	March	2019	\$498,892	\$0	\$37,417	\$0	\$0	\$0	\$7,566,550	\$14,920	\$15,243	\$7,551,307	\$0	\$0	
29	April	2019	\$479,465	\$0	\$35,960	\$0	\$0	\$0	\$8,081,974	\$16,058	\$31,300	\$8,050,674	\$0	\$0	
30	May	2019	\$754,022	\$0	\$56,552	\$0	\$0	\$0	\$8,892,548	\$17,152	\$48,452	\$8,844,096	\$0	\$0	
31	June	2019	\$1,797,384	\$691,910	\$82,911	\$0	\$0	\$0	\$10,772,843	\$18,872	\$67,324	\$10,705,519	\$0	\$0	
32	July	2019	\$168,232	\$0	\$12,617	\$0	\$0	\$0	\$10,953,692	\$22,862	\$90,186	\$10,863,506	\$0	\$0	
33	August	2019	\$632,199	\$173,868	\$34,375	\$0	\$0	\$0	\$11,620,266	\$23,246	\$113,432	\$11,506,834	\$0	\$0	
34	September	2019	\$776,893	\$156,282	\$46,546	\$0	\$0	\$0	\$12,443,705	\$24,661	\$138,093	\$12,305,612	\$0	\$0	
35	October	2019	\$598,232	\$0	\$44,867	\$0	\$0	\$0	\$13,086,805	\$26,408	\$164,501	\$12,922,303	\$0	\$0	
36	November	2019	\$696,462	\$212,599	\$36,290	\$0	\$0	\$0	\$13,819,556	\$27,773	\$192,274	\$13,627,282	\$0	\$0	
37	December	2019	\$8,311,542	\$5,614,082	\$202,310	\$0	\$0	\$0	\$22,333,407	\$29,328	\$221,603	\$22,111,805	\$0	\$0	
38	January	2020	\$80,529	\$0	\$6,040	\$0	\$0	\$0	\$22,419,976	\$47,396	\$268,999	\$22,150,977	\$0	\$0	
39	February	2020	\$80,529	\$0	\$6,040	\$0	\$0	\$0	\$22,506,544	\$47,580	\$316,579	\$22,189,966	\$0	\$0	
40	March	2020	\$140,529	\$0	\$10,540	\$0	\$0	\$0	\$22,657,613	\$47,764	\$364,343	\$22,293,270	\$0	\$0	
41	April	2020	\$230,529	\$0	\$17,290	\$0	\$0	\$0	\$22,905,432	\$48,084	\$412,427	\$22,493,005	\$0	\$0	
42	May	2020	\$230,529	\$0	\$17,290	\$0	\$0	\$0	\$23,153,250	\$48,610	\$461,037	\$22,692,213	\$0	\$0	
43	June	2020	\$80,529	\$0	\$6,040	\$0	\$0	\$0	\$23,239,819	\$49,136	\$510,173	\$22,729,646	\$0	\$0	
44	July	2020	\$80,529	\$0	\$6,040	\$0	\$0	\$0	\$23,326,388	\$49,320	\$559,493	\$22,766,894	\$0	\$0	
45	August	2020	\$80,529	\$0	\$6,040	\$0	\$0	\$0	\$23,412,956	\$49,504	\$608,997	\$22,803,959	\$0	\$0	
46	September	2020	\$90,529	\$0	\$6,790	\$0	\$0	\$0	\$23,510,275	\$49,687	\$658,684	\$22,851,591	\$0	\$0	
47	October	2020	\$90,529	\$0	\$6,790	\$0	\$0	\$0	\$23,607,594	\$49,894	\$708,578	\$22,899,016	\$0	\$0	
48	November	2020	\$190,529	\$0	\$14,290	\$0	\$0	\$0	\$23,812,412	\$50,100	\$758,679	\$23,053,734	\$0	\$0	
49	December	2020	\$43,140,404	\$16,523,166	\$1,996,293	\$0	\$0	\$0	\$68,949,109	\$50,535	\$809,214	\$68,139,896	\$0	\$0	

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 CWIP Closed	Over Heads Closed to PIS	Cost of Removal	Eligible Plant Additions	AFUDC	Incremental Gross Plant	Depreciation Accrual	Incremental Reserve	Net Plant	Unloaded Low Voltage Additions	Loaded Low Voltage Additions
					=(C1-C2)*L74	=(C1-C2+C3)*L75	=C1-C2+C3-C4	=C5*L76	= Prior Month C2 +C2+C5+C6	= Prior Month C7 * L91/12	= Prior Month C9 - C4 + C8	=C7-C9		=C11*(1-L75) *(1+L74+L76)
50	January	2019	\$28,036,303	\$6,281,866	\$1,631,583	\$1,870,882	\$21,515,139	\$645,454	\$28,442,459	\$0	-\$1,870,882	\$30,313,340	\$304,089	\$309,137
51	February	2019	\$19,724,399	\$1,744,489	\$1,348,493	\$1,546,272	\$17,782,132	\$533,464	\$48,502,543	\$60,361	-\$3,356,793	\$51,859,336	\$608,179	\$618,275
52	March	2019	\$19,304,432	\$1,470,853	\$1,337,518	\$1,533,688	\$17,637,409	\$529,122	\$68,139,927	\$102,933	-\$4,787,548	\$72,927,475	\$912,268	\$927,412
53	April	2019	\$21,359,770	\$1,877,034	\$1,461,205	\$1,675,515	\$19,268,426	\$578,053	\$89,863,439	\$144,608	-\$6,318,455	\$96,181,895	\$1,216,358	\$1,236,550
54	May	2019	\$33,153,382	\$13,728,302	\$1,456,881	\$1,670,557	\$19,211,404	\$576,342	\$123,379,487	\$190,710	-\$7,798,303	\$131,177,790	\$1,520,447	\$1,545,687
55	June	2019	\$31,296,416	\$2,918,529	\$2,128,342	\$2,440,498	\$28,065,730	\$841,972	\$155,205,719	\$261,838	-\$9,976,963	\$165,182,682	\$1,824,537	\$1,854,824
56	July	2019	\$36,371,700	\$12,397,414	\$1,798,071	\$2,061,789	\$23,710,568	\$711,317	\$192,025,018	\$329,380	-\$11,709,372	\$203,734,390	\$2,128,626	\$2,163,962
57	August	2019	\$30,636,457	\$10,120,582	\$1,538,691	\$1,764,365	\$20,290,200	\$608,706	\$223,044,507	\$407,519	-\$13,066,218	\$236,110,725	\$2,432,716	\$2,473,099
58	September	2019	\$22,030,235	\$3,889,803	\$1,360,532	\$1,560,077	\$17,940,887	\$538,227	\$245,413,424	\$473,349	-\$14,152,947	\$259,566,370	\$2,736,805	\$2,782,236
59	October	2019	\$28,012,408	\$8,635,814	\$1,453,245	\$1,666,387	\$19,163,451	\$574,904	\$273,787,592	\$520,820	-\$15,298,514	\$289,086,106	\$3,040,895	\$3,091,374
60	November	2019	\$40,171,816	\$18,831,619	\$1,600,515	\$1,835,257	\$21,105,454	\$633,164	\$314,357,829	\$581,036	-\$16,552,734	\$330,910,563	\$3,344,984	\$3,400,511
61	December	2019	\$67,290,300	\$31,777,619	\$2,663,451	\$3,054,091	\$35,122,042	\$1,053,661	\$382,311,151	\$667,135	-\$18,939,689	\$401,250,841	\$3,649,074	\$3,709,649
62	January	2020	\$54,747,640	\$5,430,333	\$3,698,798	\$4,241,288	\$48,774,817	\$1,463,245	\$437,979,546	\$811,347	-\$22,369,631	\$460,349,177	\$3,879,922	\$3,944,329
63	February	2020	\$15,808,432	\$0	\$1,185,632	\$1,359,525	\$15,634,539	\$469,036	\$454,083,121	\$929,487	-\$22,799,669	\$476,882,790	\$4,110,771	\$4,179,010
64	March	2020	\$15,808,432	\$0	\$1,185,632	\$1,359,525	\$15,634,539	\$469,036	\$470,186,696	\$963,662	-\$23,195,532	\$493,382,228	\$4,341,620	\$4,413,690
65	April	2020	\$25,235,711	\$49,379	\$1,888,975	\$2,166,025	\$24,909,282	\$747,278	\$495,892,635	\$997,838	-\$24,363,719	\$520,256,354	\$4,572,468	\$4,648,371
66	May	2020	\$39,447,564	\$2,622,463	\$2,761,883	\$3,166,959	\$36,420,025	\$1,092,601	\$536,027,724	\$1,052,391	-\$26,478,286	\$562,506,011	\$4,803,317	\$4,883,052
67	June	2020	\$25,713,677	\$200,067	\$2,193,521	\$2,194,170	\$25,232,960	\$756,989	\$562,217,741	\$1,137,567	-\$27,534,890	\$589,752,631	\$5,126,728	\$5,211,832
68	July	2020	\$15,808,432	\$0	\$1,185,632	\$1,359,525	\$15,634,539	\$469,036	\$578,321,316	\$1,193,147	-\$27,701,268	\$606,022,583	\$5,357,577	\$5,446,513
69	August	2020	\$24,946,853	\$1,489,047	\$1,759,335	\$2,017,371	\$23,199,770	\$695,993	\$603,706,126	\$1,227,323	-\$28,491,316	\$632,197,442	\$12,043,634	\$12,243,558
70	September	2020	\$15,808,432	\$0	\$1,185,632	\$1,359,525	\$15,634,539	\$469,036	\$619,809,701	\$1,281,195	-\$28,569,647	\$648,379,347	\$12,274,482	\$12,478,239
71	October	2020	\$16,956,164	\$39,909	\$1,268,719	\$1,454,798	\$16,730,176	\$501,905	\$637,081,691	\$1,315,370	-\$28,709,075	\$665,790,766	\$13,653,064	\$13,879,705
72	November	2020	\$16,547,818	\$1,347	\$1,240,985	\$1,422,997	\$16,364,460	\$490,934	\$653,938,432	\$1,352,025	-\$28,780,046	\$682,718,479	\$13,883,912	\$14,114,385
73	December	2020	\$180,191,421	\$95,073,799	\$6,383,822	\$7,320,116	\$84,181,329	\$2,525,440	\$835,719,000	\$1,387,799	-\$34,712,363	\$870,431,363	\$14,114,761	\$14,349,066

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

Line	Acct	Col 1	Col 2	Col 3	Col 4	Accrual Rate
		December Prior Year Plant Balance	December Prior Year Accrual Rate	Annual Accrual	C2*C3	Reference
77	350.1	\$87,352,690	0.00%	\$0	18 Dep Rates L1	
78	350.2	\$165,261,947	1.66%	\$2,743,348	18 Dep Rates L2	
79	352	\$643,675,310	2.57%	\$16,542,455	18 Dep Rates L3	
80	353	\$3,459,763,553	2.47%	\$85,456,160	18 Dep Rates L4	
81	354	\$2,284,709,795	2.44%	\$55,746,919	18 Dep Rates L5	
82	355	\$386,542,291	3.67%	\$14,186,102	18 Dep Rates L6	
83	356	\$1,311,509,387	3.05%	\$40,001,036	18 Dep Rates L7	
84	357	\$190,891,202	1.65%	\$3,149,705	18 Dep Rates L8	
85	358	\$83,989,219	3.87%	\$3,250,383	18 Dep Rates L9	
86	359	\$173,783,603	1.56%	\$2,711,024	18 Dep Rates L10	
87						
88		Sum of Depreciation Expense		\$223,787,133	Sum of C4 Lines 77 to 86	
89		Sum of Dec Prior Year Plant		\$8,787,478,998	Sum of C2 Lines 77 to 86	
90						
91		Composite Depreciation Rate	2.55%		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: 2018

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

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	Total
FERC Account:														
1	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	\$8,573,445,554		
2	Jan 2018	\$87,726,550	\$164,912,802	\$572,332,929	\$3,412,113,168	\$2,283,554,236	\$365,210,290	\$1,262,415,948	\$190,266,139	\$84,940,910	\$172,627,083	\$8,596,100,056		
3	Feb 2018	\$87,725,072	\$164,931,368	\$575,091,120	\$3,418,289,127	\$2,283,947,645	\$366,128,750	\$1,263,115,451	\$190,339,338	\$84,952,339	\$172,672,088	\$8,607,192,297		
4	Mar 2018	\$87,282,778	\$164,965,584	\$577,997,994	\$3,426,831,317	\$2,284,109,107	\$368,947,731	\$1,265,485,090	\$190,420,082	\$83,759,857	\$172,736,334	\$8,622,535,874		
5	Apr 2018	\$87,297,163	\$164,964,204	\$581,033,321	\$3,431,680,464	\$2,284,271,822	\$370,175,481	\$1,264,883,890	\$190,542,108	\$83,819,140	\$172,689,916	\$8,631,357,509		
6	May 2018	\$87,298,132	\$164,972,545	\$580,581,318	\$3,433,781,768	\$2,284,323,095	\$370,936,066	\$1,270,451,267	\$190,615,516	\$83,855,423	\$172,705,863	\$8,639,520,992		
7	Jun 2018	\$87,307,462	\$165,165,006	\$585,796,088	\$3,444,242,238	\$2,284,518,162	\$371,768,074	\$1,271,328,346	\$190,661,684	\$83,878,067	\$172,883,402	\$8,657,548,529		
8	Jul 2018	\$87,306,976	\$165,176,355	\$589,092,910	\$3,447,324,975	\$2,284,562,680	\$372,042,703	\$1,272,813,056	\$190,691,597	\$83,892,934	\$172,836,726	\$8,665,740,912		
9	Aug 2018	\$87,330,957	\$165,183,770	\$597,444,040	\$3,455,667,216	\$2,284,539,001	\$381,776,186	\$1,288,343,514	\$190,713,761	\$83,903,902	\$172,900,765	\$8,707,803,114		
10	Sep 2018	\$87,331,457	\$165,177,384	\$604,383,753	\$3,456,584,434	\$2,284,549,099	\$383,272,978	\$1,289,977,383	\$190,781,811	\$83,936,902	\$172,921,318	\$8,718,916,541		
11	Oct 2018	\$87,345,207	\$165,189,259	\$607,654,477	\$3,452,212,581	\$2,284,577,055	\$384,624,602	\$1,292,243,484	\$190,831,339	\$83,961,794	\$173,487,024	\$8,722,126,822		
12	Nov 2018	\$87,344,391	\$165,233,271	\$610,126,156	\$3,458,389,095	\$2,284,536,273	\$385,813,372	\$1,293,205,824	\$190,855,520	\$83,971,831	\$173,636,577	\$8,733,112,310		
13	Dec 2018	\$87,352,690	\$165,261,947	\$643,675,310	\$3,459,763,553	\$2,284,709,795	\$386,542,291	\$1,311,509,387	\$190,891,202	\$83,989,219	\$173,783,603	\$8,787,478,998		

Line	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
16	Dec 2017	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17a	Jan 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17b	Feb 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17c	Mar 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17d	Apr 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17e	May 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17f	Jun 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17g	Jul 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17h	Aug 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17i	Sep 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17j	Oct 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17k	Nov 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17l	Dec 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	
17m	Dec 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%	

Settlement Term #4: Delete "18 Dep Rates and"

Settlement Term #4: These depreciation rates are those that were in effect in the 2018 Prior Year, which correspond to the rates on Schedule 18 since the effective date of the Second Formula Rate is 1-1-18.

Line	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Month Total
19	Jan 2018	\$0	\$228,113	\$1,220,103	\$7,017,780	\$4,642,875	\$1,114,530	\$3,166,748	\$261,556	\$273,868	\$224,433	\$18,150,007
20	Feb 2018	\$0	\$228,129	\$1,225,746	\$7,023,266	\$4,643,227	\$1,116,935	\$3,208,641	\$261,616	\$273,934	\$224,415	\$18,205,910
21	Mar 2018	\$0	\$228,155	\$1,231,653	\$7,035,978	\$4,644,027	\$1,119,744	\$3,210,418	\$261,717	\$273,971	\$224,474	\$18,230,138
22	Apr 2018	\$0	\$228,202	\$1,237,879	\$7,053,561	\$4,644,355	\$1,128,365	\$3,216,441	\$261,828	\$270,126	\$224,557	\$18,265,315
23	May 2018	\$0	\$228,200	\$1,244,380	\$7,063,542	\$4,644,686	\$1,132,120	\$3,214,913	\$261,995	\$270,317	\$224,497	\$18,284,651
24	Jun 2018	\$0	\$228,212	\$1,243,412	\$7,067,867	\$4,644,790	\$1,134,446	\$3,229,064	\$262,096	\$270,434	\$224,518	\$18,304,839
25	Jul 2018	\$0	\$228,478	\$1,254,580	\$7,089,399	\$4,645,187	\$1,136,991	\$3,231,293	\$262,160	\$270,507	\$224,748	\$18,343,342
26	Aug 2018	\$0	\$228,494	\$1,261,641	\$7,095,744	\$4,645,277	\$1,137,831	\$3,235,067	\$262,201	\$270,555	\$224,688	\$18,361,496
27	Sep 2018	\$0	\$228,504	\$1,279,526	\$7,112,915	\$4,645,229	\$1,167,599	\$3,274,540	\$262,231	\$270,590	\$224,771	\$18,465,906
28	Oct 2018	\$0	\$228,495	\$1,294,389	\$7,114,803	\$4,645,250	\$1,172,177	\$3,278,693	\$262,325	\$270,697	\$224,798	\$18,491,625
29	Nov 2018	\$0	\$228,512	\$1,301,393	\$7,105,804	\$4,645,307	\$1,176,310	\$3,284,452	\$262,393	\$270,777	\$225,533	\$18,500,481
30	Dec 2018	\$0	\$228,573	\$1,306,687	\$7,118,518	\$4,645,224	\$1,179,946	\$3,286,898	\$262,426	\$270,809	\$225,728	\$18,524,808
31	Totals:	\$0	\$2,740,069	\$15,101,389	\$84,899,178	\$55,735,434	\$13,716,993	\$38,837,167	\$3,144,544	\$3,256,584	\$2,697,159	\$220,128,517

Total Annual Depreciation Expense for Transmission Plant - ISO: (equals sum of monthly amounts)

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%	2.27%	1.90%		
49			2.39%	2.04%		
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 360, 361, and 362
54						
55						

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

57						
58	Total General Plant Depreciation Expense		243,387,703			FF1 336.10f
59	Total Intangible Plant Depreciation Expense		205,114,641			FF1 336.1f
60	Sum of Total General and Total Intangible Depreciation Expense		\$448,502,344			Line 58 + Line 59
61	Transmission Wages and Salaries Allocation Factor		5.7427%			27-Allocators, Line 5 9
62	General and Intangible Depreciation Expense		\$25,755,942			Line 60 * Line 61
63						

64 4) Depreciation Expense

65						
66	Depreciation Expense is the sum of:					
67			<u>Amount</u>	<u>Source</u>		
68	1) Depreciation Expense for Transmission Plant - ISO		\$220,128,517.29	Line 37, Col 12		
69	2) Depreciation Expense for Distribution Plant - ISO		\$0	Line 53		
70	3) General and Intangible Depreciation Expense		\$25,755,942	Line 62		
71	Depreciation Expense:		\$245,884,459.62	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:

Settlement Term #4: Revise Instruction #1

- 1) ~~Depreciation rates on lines 17a-17m are input based on the stated values of ISO Transmission Plant depreciation rates from Schedule 18 of the Formula Rate Spreadsheet in effect during the Prior Year. 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

			Filed Transmission Depreciation Rates					
			Stated transmission depreciation rates revised per settlement term 4					
1) Transmission Plant - ISO			Plant	Removal	Total	Plant	Removal	Total
Line	FERC Account	Description	Less Salvage	Cost		Less Salvage	Cost	
1	350.1	Fee Land	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2	350.2	Easements	1.66%	0.00%	1.66%	1.67%	0.00%	1.67%
3	352	Structures and Improvements	1.80%	0.77%	2.57%	1.79%	0.62%	2.41%
4	353	Station Equipment	2.20%	0.27%	2.47%	2.39%	0.45%	2.84%
5	354	Towers and Fixtures	1.35%	1.09%	2.44%	1.20%	1.53%	2.73%
6	355	Poles and Fixtures	2.00%	1.67%	3.67%	1.06%	1.78%	2.84%
7	356	Overhead Conductors and Devices	2.00%	1.05%	3.05%	0.78%	2.46%	3.24%
8	357	Underground Conduit	1.65%	0.00%	1.65%	1.73%	0.00%	1.73%
9	358	Underground Conductors and Devices	3.26%	0.61%	3.87%	1.62%	0.79%	2.41%
10	359	Roads and Trails	1.56%	0.00%	1.56%	1.65%	0.00%	1.65%
11								
2) Distribution Plant - ISO			Plant	Removal	Total	Plant	Removal	Total
Line	FERC Account	Description	Less Salvage	Cost		Less Salvage	Cost	
12	360	Land and Land Rights	1.67%	0.00%	1.67%	1.67%	0.00%	1.67%
13	361	Structures and Improvements	1.75%	0.52%	2.27%	1.75%	0.64%	2.39%
14	362	Station Equipment	1.32%	0.58%	1.90%	1.32%	0.69%	2.01%
15								
3) General Plant			Plant	Removal	Total			
Line	FERC Account	Description	Less Salvage	Cost				
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	20.00%	4.00%	24.00%			
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%			
42								
4) Intangible Plant			Plant	Removal	Total			
Line	FERC Account	Description	Less Salvage	Cost				
42	302	Hydro Relicensing	1.85%	2.47%	4.32%			
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%			

Notes: 1) Depreciation rates may only be revised as approved by the Commission pursuant to a Section 205 or 206 filing.

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	\$7,858,326	\$4,060,418	\$3,797,908			-\$67,500		(\$67,500)	7,790,826	4,060,418	3,730,408
2	560 - Sylmar/Palo Verde	\$236,782	\$0	\$236,782			\$0	\$0	\$0	236,782	-	236,782
3	561 Load Dispatch - Allocated	\$10,677,344	\$8,445,222	\$2,232,122			\$0	\$0	\$0	10,677,344	8,445,222	2,232,122
4	561.400 Scheduling, System Control and Dispatch Services	\$36,792,220	\$0	\$36,792,220	A		-\$36,792,220	\$0	(\$36,792,220)	-	-	-
5	561.500 Reliability Planning and Standards Development	\$4,373,750	\$3,933,925	\$439,825			\$0	\$0	\$0	4,373,750	3,933,925	439,825
6	562 - Station Expenses - Allocated	\$21,299,111	\$17,032,799	\$4,266,312			\$0	\$0	\$0	21,299,111	17,032,799	4,266,312
7	562 - MOGS Station Expense	\$0	\$0	\$0	B		\$0	\$0	\$0	-	-	-
8	562 - Sylmar/Palo Verde	\$901,304	\$0	\$901,304			\$0	\$0	\$0	901,304	-	901,304
9	563 - Overhead Line Expenses - Allocated	\$5,388,238	\$3,483,356	\$1,904,881			\$0	\$0	\$0	5,388,238	3,483,356	1,904,881
10	564 - Underground Line Expenses - Allocated	\$1,929,614	\$1,629,006	\$300,608			\$0	\$0	\$0	1,929,614	1,629,006	300,608
11	565 - Transmission of Electricity by Others	-\$9,783	\$0	(\$9,783)			\$0	\$0	\$0	(9,783)	-	(9,783)
12	565 - Wheeling Costs	\$17,452,121	\$0	\$17,452,121	C		-\$17,452,121	\$0	(\$17,452,121)	-	-	-
13	565 - WAPA Transmission for Remote Service	\$282,330	\$0	\$282,330			\$0	\$0	\$0	282,330	-	282,330
14	566 - Miscellaneous Transmission Expenses - Allocated	\$43,137,242	\$21,165,534	\$21,971,708	F, H		-\$9,735	(\$9,034)	(\$701)	43,127,507	21,156,500	21,971,007
15	566 - ISO/RSBA/TSP Balancing Accounts	\$13,032,603	\$284,724	\$12,747,880	D		-\$11,056,670	(\$7,440)	(\$11,049,230)	1,975,933	277,284	1,698,649
16	566 - Sylmar/Palo Verde/Other General Functions	\$1,110,387	\$0	\$1,110,387			\$0	\$0	\$0	1,110,387	-	1,110,387
17	567 - Line Rents - Allocated	\$15,939,487	\$5,614	\$15,933,873			\$0	\$0	\$0	15,939,487	5,614	15,933,873
18	567 - Eldorado	\$82,879	\$0	\$82,879			\$0	\$0	\$0	82,879	-	82,879
19	567 - Sylmar/Palo Verde	\$438,003	\$0	\$438,003			\$0	\$0	\$0	438,003	-	438,003
20	568 - Maintenance Supervision and Engineering - Allocated	\$2,571,657	\$2,231,814	\$339,843			\$0	\$0	\$0	2,571,657	2,231,814	339,843
21	568 - Sylmar/Palo Verde	\$248,127	\$0	\$248,127			\$0	\$0	\$0	248,127	-	248,127
22	569 - Maintenance of Structures - Allocated	\$40,591,067	(\$15,574)	\$40,606,641	E		-\$37,524,555	\$0	(\$37,524,555)	3,066,512	(15,574)	3,082,086
23	569 - Sylmar/Palo Verde	\$147,367	\$0	\$147,367			\$0	\$0	\$0	147,367	-	147,367
24	570 - Maintenance of Station Equipment - Allocated	\$8,094,281	\$4,388,695	\$3,705,586			\$0	\$0	\$0	8,094,281	4,388,695	3,705,586
25	570 - Sylmar/Palo Verde	\$1,007,421	\$14,053	\$993,368			\$0	\$0	\$0	1,007,421	14,053	993,368
26	571 - Maintenance of Overhead Lines - Allocated	\$25,917,292	\$7,348,270	\$18,569,022	F		-\$2,951,737	(\$91,503)	(\$2,860,234)	22,965,555	7,256,766	15,708,788
27	571 - Sylmar/Palo Verde	\$518,175	\$0	\$518,175			\$0	\$0	\$0	518,175	-	518,175
28	572 - Maintenance of Underground Lines - Allocated	\$322,776	\$63,260	\$259,516			\$0	\$0	\$0	322,776	63,260	259,516
29	572 - Sylmar/Palo Verde	\$393	\$0	\$393			\$0	\$0	\$0	393	-	393
30	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	-\$362,672	\$577,048	(\$939,720)			\$0	\$0	\$0	(362,672)	577,048	(939,720)
31	...	---	---	---	---		\$0	---	---			
32	Transmission NOIC (Note 3)	-	-	-			\$6,437,039	\$6,437,039	\$0	\$6,437,039	\$6,437,039	\$0
33	Total Transmission O&M	\$259,977,841	\$74,648,164	\$185,329,677			-\$99,417,499	\$6,329,062	-\$105,746,561	\$160,560,342	\$80,977,226	\$79,583,116
34												

Schedule 19
Operations and Maintenance

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

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	34,617,001	\$26,689,255	\$7,927,745		-	\$0	\$0	34,617,001	26,689,255	7,927,745
36 590 - Maintenance Supervision and Engineering	2,559,657	\$2,231,690	\$327,968		-	\$0	\$0	2,559,657	2,231,690	327,968
37 591 - Maintenance of Structures	59,401	\$9,755	\$49,645		-	\$0	\$0	59,401	9,755	49,645
38 592 - Maintenance of Station Equipment	9,035,334	\$4,468,502	\$4,566,832		-	\$0	\$0	9,035,334	4,468,502	4,566,832
39 Accounts with no ISO Distribution Costs	486,655,346	\$202,370,099	\$284,285,247	F, H	(7,449,124)	(\$522,798)	(\$6,926,326)	479,206,222	201,847,301	277,358,921
40 Distribution NOIC (Note 3)	-	-	-		20,330,792	20,330,792	-	20,330,792	20,330,792	-
41 Total Distribution O&M	532,926,739	235,769,301	297,157,437		12,881,668	19,807,994	(6,926,326)	545,808,407	255,577,296	290,231,111
42										
43 Total Transmission and Distribution O&M	792,904,579	310,417,465	482,487,114		(86,535,831)	26,137,056	(112,672,887)	706,368,749	336,554,522	369,814,227
44										
45 Total Transmission O&M Expenses in FERC Form 1:	\$259,977,841	FF1 321.112b	Must equal Line 33, Column 2.							
46 Total Distribution O&M Expenses in FERC Form 1:	\$532,926,739	FF1 322.156b	Must equal Line 41, Column 2.							
47 Total TDBU NOIC	\$26,767,831	20-AandG, Note 2, f								

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

Line	Account/Work Activity Rev	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	
		Adjusted Recorded O&M Expenses			Percent	ISO O&M Expenses			Percent ISO	
		Total	Labor	Non-Labor	ISO	Total	Labor	Non-Labor	Reference	
48	560 - Operations Supervision and Engineering - Allocated	7,790,826	4,060,418	3,730,408	37.1%	2,888,180	1,505,260	1,382,920	27-Allocators Line 42	
49	560 - Sylmar/Palo Verde	236,782	-	236,782	100.0%	236,782	-	236,782	100%	
50	561 Load Dispatch - Allocated	10,677,344	8,445,222	2,232,122	37.1%	3,958,258	3,130,775	827,482	27-Allocators Line 42	
51	561.400 Scheduling, System Control and Dispatch Services	-	-	-	0.0%	-	-	-	0%	
52	561.500 Reliability Planning and Standards Development	4,373,750	3,933,925	439,825	100.0%	4,373,750	3,933,925	439,825	100%	
53	562 - Station Expenses - Allocated	21,299,111	17,032,799	4,266,312	37.1%	7,895,912	6,314,324	1,581,588	27-Allocators Line 42	
54	562 - MOGS Station Expense	-	-	-	0.0%	-	-	-	0%	
55	562 - Sylmar/Palo Verde	901,304	-	901,304	100.0%	901,304	-	901,304	100%	
56	563 - Overhead Line Expenses - Allocated	5,388,238	3,483,356	1,904,881	46.9%	2,526,830	1,633,531	893,300	27-Allocators Line 30	
57	564 - Underground Line Expenses - Allocated	1,929,614	1,629,006	300,608	1.4%	26,579	22,438	4,141	27-Allocators Line 36	
58	565 - Transmission of Electricity by Others	(9,783)	-	(9,783)	100.0%	(9,783)	-	(9,783)	100%	
59	565 - Wheeling Costs	-	-	-	0.0%	-	-	-	0%	
60	565 - WAPA Transmission for Remote Service	282,330	-	282,330	0.0%	-	-	-	0%	
61	566 - Miscellaneous Transmission Expenses - Allocated	43,127,507	21,156,500	21,971,007	37.1%	15,988,039	7,843,044	8,144,994	27-Allocators Line 42	
62	566 - ISO/RSBA/TSP Balancing Accounts	1,975,933	277,284	1,698,649	0.0%	-	-	-	0%	
63	566 - Sylmar/Palo Verde/Other General Functions	1,110,387	-	1,110,387	100.0%	1,110,387	-	1,110,387	100%	
64	567 - Line Rents - Allocated	15,939,487	5,614	15,933,873	46.9%	7,474,871	2,633	7,472,238	27-Allocators Line 30	
65	567 - Eldorado	82,879	-	82,879	100.0%	82,879	-	82,879	100%	
66	567 - Sylmar/Palo Verde	438,003	-	438,003	100.0%	438,003	-	438,003	100%	
67	568 - Maintenance Supervision and Engineering - Allocated	2,571,657	2,231,814	339,843	37.1%	953,353	827,368	125,985	27-Allocators Line 42	
68	568 - Sylmar/Palo Verde	248,127	-	248,127	100.0%	248,127	-	248,127	100%	
69	569 - Maintenance of Structures - Allocated	3,066,512	(15,574)	3,082,086	37.1%	1,136,804	(5,773)	1,142,577	27-Allocators Line 42	
70	569 - Sylmar/Palo Verde	147,367	-	147,367	100.0%	147,367	-	147,367	100%	
71	570 - Maintenance of Station Equipment - Allocated	8,094,281	4,388,695	3,705,586	37.1%	3,000,676	1,626,958	1,373,718	27-Allocators Line 42	
72	570 - Sylmar/Palo Verde	1,007,421	14,053	993,368	100.0%	1,007,421	14,053	993,368	100%	
73	571 - Maintenance of Overhead Lines - Allocated	22,965,555	7,256,766	15,708,788	46.9%	10,769,767	3,403,083	7,366,684	27-Allocators Line 30	
74	571 - Sylmar/Palo Verde	518,175	-	518,175	100.0%	518,175	-	518,175	100%	
75	572 - Maintenance of Underground Lines - Allocated	322,776	63,260	259,516	1.4%	4,446	871	3,575	27-Allocators Line 36	
76	572 - Sylmar/Palo Verde	393	-	393	100.0%	393	-	393	100%	
77	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	(362,672)	577,048	(939,720)	37.1%	(134,448)	213,921	(348,369)	27-Allocators Line 42	
78	---	---	---	---	---	---	---	---	---	
79	Transmission NOIC (Note 4)	6,437,039	6,437,039	-	-	2,630,977	2,630,977	-	-	
80	Total Transmission - ISO O&M	160,560,342	80,977,226	79,583,116		68,175,047	33,097,386	35,077,660		

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Schedule 19
Operations and Maintenance

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	34,617,001	26,689,255	7,927,745	0.0%	-	-	-	27-Allocators Line 48
83 590 - Maintenance Supervision and Engineering	2,559,657	2,231,690	327,968	0.0%	-	-	-	27-Allocators Line 48
84 591 - Maintenance of Structures	59,401	9,755	49,645	0.0%	-	-	-	27-Allocators Line 48
85 592 - Maintenance of Station Equipment	9,035,334	4,468,502	4,566,832	0.0%	-	-	-	27-Allocators Line 48
86 Accounts with no ISO Distribution Costs	479,206,222	201,847,301	277,358,921	0.00%	-	-	-	0%
87 Distribution NOIC (Note 4)	20,330,792	20,330,792	-	0.00%	-	-	-	0%
88 Total Distribution - ISO O&M	545,808,407	255,577,296	290,231,111		-	-	-	
89								
90								
91 Total ISO O&M Expenses (in Column 6)	706,368,749	336,554,522	369,814,227		68,175,047	33,097,386	35,077,660	
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 expense

Settlement Term #7: Exclude any amounts of ACE and Spot Bonus awards

H: Exclude any amount of ACE awards or Spot Bonuses in O&M accounts 560-592.

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:	24.0477%	Line 33, Col 3 / Line 43, Col 3
Distribution NOIC Percentage:	75.9523%	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: 40.87%

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	\$380,019,593	FF1 323.181b	\$171,916,034	\$208,103,559	
2	921	Office Supplies and Expenses	\$243,397,352	FF1 323.182b	\$8,604,255	\$234,793,097	
3	922	A&G Expenses Transferred	-\$153,376,384	FF1 323.183b	-\$62,480,935	-\$90,895,449	Credit
4	923	Outside Services Employed	\$54,239,013	FF1 323.184b	\$8,742,733	\$45,496,280	
5	924	Property Insurance	\$16,155,127	FF1 323.185b	\$0	\$16,155,127	
6	925	Injuries and Damages	\$2,996,146,771	FF1 323.186b	\$3,991,252	\$2,992,155,519	
7	926	Employee Pensions and Benefits	\$115,626,278	FF1 323.187b	-\$12,067,035	\$127,693,313	
8	927	Franchise Requirements	\$113,911,175	FF1 323.188b	\$113,911,175	\$0	
9	928	Regulatory Commission Expenses	\$11,239,506	FF1 323.189b	\$11,197,494	\$42,012	
10	929	Duplicate Charges	\$0	FF1 323.190b	\$0	\$0	
11	930.1	General Advertising Expense	\$6,438,097	FF1 323.191b	\$0	\$6,438,097	
12	930.2	Miscellaneous General Expense	\$23,890,761	FF1 323.192b	\$14,064,692	\$9,826,069	
13	931	Rents	\$8,428,057	FF1 323.193b	\$11,993,182	-\$3,565,125	
14	935	Maintenance of General Plant	\$18,830,965	FF1 323.196b	\$699,128	\$18,131,837	
15			\$3,834,946,311		Total A&G Expenses:	\$3,564,374,335	

	Amount	Source
16	Remaining A&G after exclusions & NOIC Adjustment:	\$3,564,374,335
17	Less Account 924:	\$16,155,127
18	Amount to apply the Transmission W&S AF:	\$3,548,219,208
19	Transmission Wages and Salaries Allocation Factor:	5.7427%
20	Transmission W&S AF Portion of A&G:	\$203,761,988
21	Transmission Plant Allocation Factor:	18.7422%
22	Property Insurance portion of A&G:	\$3,027,819
23	Administrative and General Expenses:	\$206,789,807

Revised exclusions from Incentive Compensation caps

Note 1: Itemization of exclusions

Line	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	920	\$171,916,034	\$52,489,732		\$119,426,302		See Instructions 2b, 3, and Note 2
25	921	\$8,604,255	\$8,604,255		\$0		
26	922	-\$62,480,935	-\$7,944,352		-\$54,536,583		
27	923	\$8,742,733	\$8,742,733		\$0		
28	924	\$0	\$0		\$0		
29	925	\$3,991,252	\$3,991,252		\$0		
30	926	-\$12,067,035	\$9,885,298		\$0	-\$21,952,333	See Note 3
31	927	\$113,911,175	\$0	\$113,911,175	\$0	\$0	See Note 4
32	928	\$11,197,494	\$11,197,494		\$0		
33	929	\$0	\$0		\$0		
34	930.1	\$0	\$0		\$0		
35	930.2	\$14,064,692	\$14,064,692		\$0		
36	931	\$11,993,182	\$11,993,182		\$0		
37	935	\$699,128	\$699,128		\$0		

Schedule 20
Administrative and General Expenses

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: \$137,026,591	SCE Records
b	Actual A&G NOIC payout: \$17,600,289	Note 2, d
c	Adjustment: \$119,426,302	

Actual non-capitalized NOIC Payouts:

	<u>Department</u>	<u>Amount</u>	<u>Source</u>
d	A&G	\$17,600,289	SCE Records and Workpapers
e	Other	\$8,544,925	SCE Records and Workpapers
f	Trans. And Dist. Business Unit	\$26,767,831	SCE Records and Workpapers
g	Total:	\$52,913,045	Sum of d to f

Note 3: PBOPs Exclusion Calculation

	<u>Amount</u>	<u>Note:</u>
a	Current Authorized PBOPs Expense Amount: \$18,219,000	See instruction #4
b	Prior Year Authorized PBOPs Expense Amount: \$40,171,333	Authorized PBOPs Expense Amount during Prior Year
c	Prior Year FF1 PBOPs expense: \$18,219,000	SCE Records
d	PBOPs Expense Exclusion: -\$21,952,333	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

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

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: ER19-1226
- 5) SCE shall make no adjustments to recorded labor amounts related to non-labor labor and/or Indirect labor in Schedule 20.

Schedule 21
Revenue Credits

	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	
1a	450	4191110	Late Payment Charge- Comm. & Ind.	6,159,993	Traditional OOR	6,159,993	0	6,159,993	0			0	0	1	
1b	450	4191115	Residential Late Payment	11,586,485	Traditional OOR	11,586,485	0	11,586,485	0			0	0	1	
2	450 Total			17,746,479		17,746,479	0	17,746,479	0		0	0	0		
3	FF-1 Total for Acct 450 - Forfeited Discounts, p300.16b (Must Equal Line 2)			17,746,479											
4a	451	4182110	Recover Unauthorized Use/Non-Energy	122,148	Traditional OOR	122,148	0	122,148	0			0	0	1	
4b	451	4182115	Miscellaneous Service Revenue - Ownership Cost	492,543	Traditional OOR	492,543	0	492,543	0			0	0	1	
4c	451	4192110	Miscellaneous Service Revenues	34,572,212	Traditional OOR	34,572,212	0	34,572,212	0			0	0	1	
4d	451	4192115	Returned Check Charges	1,642,550	Traditional OOR	1,642,550	0	1,642,550	0			0	0	1	
4e	451	4192125	Service Reconnection Charges	8,051	Traditional OOR	8,051	0	8,051	0			0	0	1	
4f	451	4192130	Service Establishment Charge	(4,119)	Traditional OOR	(4,119)	0	(4,119)	0			0	0	1	
4g	451	4192140	Field Collection Charges	(203)	Traditional OOR	(203)	0	(203)	0			0	0	1	
4h	451	4192510	Quickcheck Revenue	32	GRSM	0	0	0	32	P	4	28	0	2	
4i	451	4192910	PUC Reimbursement Fee-Elect	440,067	Other Ratemaking	0	0	0	0			0	440,067	6	
4j	451	4182120	Uneconomic Line Extension		Traditional OOR	0	0	0	0			0	0	1	
4k	451	4192152	Opt Out CARE-Res-Ini	2,350	Other Ratemaking	0	0	0	0			0	2,350	1	
4l	451	4192155	Opt Out CARE-Res-Mo	30,455	Other Ratemaking	0	0	0	0			0	30,455	1	
4m	451	4192158	Opt Out NonCARE-Res-Ini	52,500	Other Ratemaking	0	0	0	0			0	52,500	1	
4n	451	4192160	Opt Out NonCARE-Res-Mo	192,560	Other Ratemaking	0	0	0	0			0	192,560	1	
4o	451	4192135	Conn-Charge - Residential	5,807,454	Traditional OOR	5,807,454	0	5,807,454	0			0	0	1	
4p	451	4192145	Conn-Charge - Non-Residential	2,166,273	Traditional OOR	2,166,273	0	2,166,273	0			0	0	1	
4q	451	4192150	Conn-Charge - At Pole	22,408	Traditional OOR	22,408	0	22,408	0			0	0	1	
4r	451	4184515	NEM 2.0	3,521,525	Traditional OOR	3,521,525	0	3,521,525	0			0	0	1	
4s	451	4186927	AR Service Guarantee	(551,100)	Traditional OOR	(551,100)	0	(551,100)	0			0	0	1	
5	451 Total			48,517,705		47,799,741	0	47,799,741	32		4	28	717,932		
6	FF-1 Total for Acct 451 - Misc. Service Revenues, p300.17b (Must Equal Line 5)			48,517,705											
8	453 Total			0		0	0	0	0		0	0	0		
9	FF-1 Total for Acct 453 - Sales of Water and Power, p300.18b (Must Equal Line 8)			0											
10a	454	4184110	Joint Pole - Tariffed Conduit Rental	495,725	Traditional OOR	495,725	0	495,725	0			0	0	4	
10b	454	4184112	Joint Pole - Tariffed Pole Rental - Cable Cos.	3,367,084	Traditional OOR	3,367,084	0	3,367,084	0			0	0	4	
10c	454	4184114	Joint Pole - Tariffed Process & Eng Fees - Cable	887,280	Traditional OOR	887,280	0	887,280	0			0	0	4	
10d	454	4184120	Joint Pole - Aud - Unauth Penalty	612,500	Traditional OOR	612,500	0	612,500	0			0	0	4	
10e	454	4184510	Joint Pole - Non-Tariffed Pole Rental	149,161	GRSM	0	0	0	149,161	P	29,204	119,957	0	2	
10f	454	4184512	Joint Pole - Non-Tariff Process & Engineering Fees	127,662	GRSM	0	0	0	127,662	P	11,943	115,719	0	2	
10g	454	4184514	Joint Pole - Non-Tariff Requests for Information	2,160	GRSM	0	0	0	2,160	P	2,160	0	0	2	
10h	454	4184516	Oil And Gas Royalties	20,473	GRSM	0	0	0	20,473	P	3,206	17,268	0	2	
10i	454	4184518	Def Operating Land & Facilities Rent Rev	(284,635)	Traditional OOR	(284,635)	0	(284,635)	0			0	0	4	
10j	454	4184810	Facility Cost - EIX/Nonutility	51,608	Other Ratemaking	3,143	3,143	0	0			0	48,465	6, 12	
10k	454	4184815	Facility Cost- Utility		Traditional OOR	0	0	0	0			0	0	7	
10l	454	4184820	Rent Billed to Non-Utility Affiliates	1,319,855	Other Ratemaking	80,379	80,379	0	0			0	1,239,476	6, 12	
10m	454	4184825	Rent Billed to Utility Affiliates		Traditional OOR	0	0	0	0			0	0	7	
10n	454	4194110	Meter Leasing Revenue		Traditional OOR	0	0	0	0			0	0	1	
10o	454	4194115	Company Financed Added Facilities	10,545,266	Traditional OOR	10,545,266	0	10,545,266	0			0	0	4	
10p	454	4194120	Company Financed Interconnect Facilities	625,190	Traditional OOR	625,190	0	625,190	0			0	0	4	
10q	454	4194130	SCE Financed Added Facility	24,832,616	Traditional OOR	24,832,616	0	24,832,616	0			0	0	4	
10r	454	4194135	Interconnect Facility Finance Charge	15,632,927	Traditional OOR	15,632,927	3,357,572	12,275,355	0			0	0	8	
10s	454	4204515	Operating Land & Facilities Rent Revenue	21,740,975	GRSM	0	0	0	21,740,975	P	4,600,846	17,140,129	0	2	
10t	454	4867020	Nonoperating Misc Land & Facilities Rent		Traditional OOR	0	0	0	0			0	0	4	
10u	454	-	Miscellaneous Adjustments	(17,101)	Traditional OOR	(17,101)	0	(17,101)	0			0	0	1	
10v	454	4206515	Op Misc Land/Fac Rev	1,516,061	GRSM	0	0	0	1,516,061	P	1,068,380	447,681	0	2	
10w	454	4184122	T-Unauth Pole Rent		Traditional OOR	0	0	0	0			0	0	4	
10x	454	4184124	T-P&E Fees	13,440	Traditional OOR	13,440	0	13,440	0			0	0	4	
10y	454	4184821	Rent Rev NU-NonBRRBA	83,052	Other Ratemaking	5,058	5,058	0	0			0	77,994	6, 12	
10z	454	4184811	Fac Cost NU-BRRBA	820,154	Other Ratemaking	49,947	49,947	0	0			0	770,207	6, 12	
10aa	454	4184515	NEM 2.0		Other Ratemaking	0	0	0	0			0	0	6	
10bb	454	4184126	Joint Pole - Tariffed - PA Inspect	829,632	Traditional OOR	829,632.00	0	829,632	0			0	0	4	
10cc	454	4184526	Joint Pole - Non-Tariff PA Inspect	9,280	GRSM	0.00	0	0	9,280	P	0	9,280	0	2	
11	454 Total			83,380,365		57,678,451	3,496,099	54,182,352	23,565,772		5,715,738	17,850,034	2,136,142		
12	FF-1 Total for Acct 454 - Rent from Elec. Property, p300.19b (Must Equal Line 11)			83,380,365											

Line	FERC ACCT	ACCT	ACCT DESCRIPTION	DOLLARS	Category	Traditional OOR			GRSM			Other Ratemaking	Notes	
						Total	ISO	Non-ISO	Total	A/P	Threshold [10]			Incremental
12a	456	4186114	Energy Related Services		Traditional OOR	0	0	0	0			0	0	1
12b	456	4186118	Distribution Miscellaneous Electric Revenues	1,275	Traditional OOR	1,275	0	1,275	0			0	0	4
12c	456	4186120	Added Facilities - One Time Charge	36,251	Traditional OOR	36,251	0	36,251	0			0	0	4
12d	456	4186122	Building Rental - Nev Power/Mohave Cr	0	Traditional OOR	0	0	0	0			0	0	3
12e	456	4186126	Service Fee - Optimal Bill Prd	160	Traditional OOR	160	0	160	0			0	0	1
12f	456	4186128	Miscellaneous Revenues	1,584,401	Traditional OOR	1,584,401	0	1,584,401	0			0	0	1
12g	456	4186130	Tule Power Plant - Revenue	0	Traditional OOR	0	0	0	0			0	0	3
12h	456	4186142	Microwave Agreement	3,428	Traditional OOR	3,428	0	3,428	0			0	0	4
12i	456	4186150	Utility Subs Labor Markup	0	Traditional OOR	0	0	0	0			0	0	7
12j	456	4186155	Non Utility Subs Labor Markup	7,181	Other Ratemaking	437	437	0	0			0	6,744	6, 12
12k	456	4186162	Reliant Eng FSA Ann Pymnt-Mandalay	1,568	Traditional OOR	1,568	0	1,568	0			0	0	4
12l	456	4186164	Reliant Eng FSA Ann Pymnt-Ormond Beach	15,732	Traditional OOR	15,732	0	15,732	0			0	0	4
12m	456	4186166	Reliant Eng FSA Ann Pymnt-Etswana	4,754	Traditional OOR	4,754	0	4,754	0			0	0	4
12n	456	4186168	Reliant Eng FSA Ann Pymnt-Ellwood	1,076	Traditional OOR	1,076	0	1,076	0			0	0	4
12o	456	4186170	Reliant Eng FSA Ann Pymnt-Coolwater	916	Traditional OOR	916	0	916	0			0	0	4
12p	456	4186194	Property License Fee revenue	260,820	Traditional OOR	260,820	0	260,820	0			0	0	4
12q	456	4186512	Revenue From Recreation, Fish & Wildlife	2,219,453	GRSM	0	0	0	2,219,453	P	116,594	2,102,860	0	2
12r	456	4186514	Mapping Services	184,360	GRSM	0	0	0	184,360	P	36,993	147,366	0	2
12s	456	4186518	Enhanced Pump Test Revenue	65,895	GRSM	0	0	0	65,895	P	3,761	62,134	0	2
12t	456	4186524	Revenue From Scrap Paper - General Office	0	GRSM	0	0	0	0	P		0	0	2
12u	456	4186528	CTAC Revenues	0	GRSM	0	0	0	0	P		0	0	2
12v	456	4186530	AGTAC Revenues	5,400	GRSM	0	0	0	5,400	P	2,082	3,318	0	2
12w	456	4186716	ADT Vendor Service Revenue	0	GRSM	0	0	0	0	A		0	0	2
12xx	456	4186718	Read Water Meters - Irvine Ranch	0	GRSM	0	0	0	0	A		0	0	2
12yy	456	4186720	Read Water Meters - Rancho California	0	GRSM	0	0	0	0	A		0	0	2
12zz	456	4186722	Read Water Meters - Long Beach	0	GRSM	0	0	0	0	A		0	0	2
12aa	456	4186730	SSID Transformer Repair Services Revenue	84,961	GRSM	0	0	0	84,961	A	14,793	70,169	0	2
12bb	456	4186815	Employee Transfer/Affiliate Fee	0	Other Ratemaking	0	0	0	0			0	0	6
12cc	456	4186910	ITCC/CIAC Revenues	22,351,299	Traditional OOR	22,351,299	0	22,351,299	0			0	0	4
12dd	456	4186912	Revenue From Decommission Trust Fund	(170,677,047)	Other Ratemaking	0	0	0	0			0	(170,677,047)	6
12ee	456	4186914	Revenue From Decommissioning Trust FAS115	(55,037,339)	Other Ratemaking	0	0	0	0			0	(55,037,339)	6
12ff	456	4186916	Offset to Revenue from NDT Earnings/Realized	170,677,047	Other Ratemaking	0	0	0	0			0	170,677,047	6
12gg	456	4186918	Offset to Revenue from FAS 115 FMV	55,037,339	Other Ratemaking	0	0	0	0			0	55,037,339	6
12hh	456	4186920	Revenue From Decommissioning Trust FAS115-1	0	Other Ratemaking	0	0	0	0			0	0	6
12ii	456	4186922	Offset to Revenue from FAS 115-1 Gains & Loss	0	Other Ratemaking	0	0	0	0			0	0	6
12jj	456	4188712	Power Supply Installations - IMS	0	GRSM	0	0	0	0	A		0	0	2
12kk	456	4188714	Consulting Fees - IMS	0	GRSM	0	0	0	0	A		0	0	2
12ll	456	4196105	DA Revenue	174,799	Traditional OOR	174,799	0	174,799	0			0	0	1
12mm	456	4196158	EDBL Customer Finance Added Facilities	6,007,924	Traditional OOR	6,007,924	0	6,007,924	0			0	0	4
12nn	456	4196162	SCE Energy Manager Fee Based Services	133,200	Traditional OOR	133,200	0	133,200	0			0	0	4
12oo	456	4196166	SCE Energy Manager Fee Based Services Adj	0	Traditional OOR	0	0	0	0			0	0	4
12pp	456	4196172	Off Grid Photo Voltaic Revenues	0	Traditional OOR	0	0	0	0			0	0	1
12qq	456	4196174	Scheduling/Dispatch Revenues	0	Traditional OOR	0	0	0	0			0	0	4
12rr	456	4196176	Interconnect Facilities Charges-Customer Financed	3,847,065	Traditional OOR	3,847,065	43,896	3,803,169	0			0	0	8
12ss	456	4196178	Interconnect Facilities Charges - SCE Financed	13,584,159	Traditional OOR	13,584,159	0	13,584,159	0			0	0	4
12tt	456	4196184	DMS Service Fees	2,968	Traditional OOR	2,968	0	2,968	0			0	0	4
12uu	456	4196188	CCA - Information Fees	390,979	Traditional OOR	390,979	0	390,979	0			0	0	6
12vv	456	-	Miscellaneous Adjustments	0	Traditional OOR	0	0	0	0			0	0	1
12ww	456	4186911	Grant Amortization	3,353,919	Other Ratemaking	0	0	0	0			0	3,353,919	6
12xx	456	4186925	GHG Allowance Revenue	389,316,108	Other Ratemaking	0	0	0	0			0	389,316,108	6
12yy	456	4186132	Intercon One Time	389,495	Traditional OOR	389,495	0	389,495	0			0	0	4
12zz	456	4186116	EV Charging Revenue	0	Traditional OOR	0	0	0	0			0	0	4
12aaa	456	4186115	Energy Reldt Srv-TSP	1,008,639	Traditional OOR	1,008,639	0	1,008,639	0			0	0	4
12bbb	456	4186156	NJU Labor Mrkp-BRRBA	114,119	Other Ratemaking	6,950	6,950	0	0			0	107,169	6, 12
12ccc	456	4188720	LCFS CR 411.8	78,366,685	Traditional OOR	78,366,685	0	78,366,685	0			0	0	4
12ddd	456	4186128	Miscellaneous Revenues - ISO	0	Traditional OOR	0	0	0	0			0	0	5
12eee	456	4186732	Power Quality C&I Customer Program	0	GRSM	0	0	0	0	P	0	0	0	2
12fff	456	4171023	Gas Sales - ERRA	30,908,341	Other Ratemaking	0.00	0	0	0			0	30,908,341	6
12ggg	456	4186182	Miscellaneous Electric Revenue - ERRA	283,960	Other Ratemaking	0.00	0	0	0			0	283,960	6
13	456 Total			554,711,290		128,174,980	51,284	128,123,697	2,560,069		174,222	2,385,847	423,976,240	
14	FF-1 Total for Acct 456 - Other electric Revenues, p300.21b (Must Equal Line 13)			554,711,290										

Line	A FERC ACCT	B ACCT	C ACCT DESCRIPTION	D DOLLARS	E Category	F Traditional OOR			G GRSM			L Incremental	M Other Ratemaking Total	N Notes
						Total	ISO	Non-ISO	Total	A/P	Threshold [10]			
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	902,563	Traditional OOR	902,563	0	902,563	0		0	0	4	
15d	456.1	4188812	ISO-Wheeling Revenue - Low Voltage	123,658	Other Ratemaking	0	0	0	0		0	123,658	6	
15e	456.1	4188814	ISO-Wheeling Revenue - High Voltage	54,020,891	Other Ratemaking	0	0	0	0		0	54,020,891	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	45,460,120	Traditional OOR	45,460,120	45,460,120	0	0		0	0	5	
15h	456.1	4198112	WDAT	8,277,860	Traditional OOR	8,277,860	0	8,277,860	0		0	0	4	
15i	456.1	4198114	Radial Line Rev-Base Cost - Reliant Coolwater	3,176	Traditional OOR	3,176	0	3,176	0		0	0	4	
15j	456.1	4198116	Radial Line Rev-Base Cost - Reliant Ormond Beach		Traditional OOR	0	0	0	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	6,551	Traditional OOR	6,551	0	6,551	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	(665,957)	Traditional OOR	(665,957)	0	(665,957)	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		Other Ratemaking	0	0	0	0		0	0	6	
15r	456.1	4198132	Radial Line Agreement-Base-Mojave Solr	109,605	Traditional OOR	109,605	0	109,605	0		0	0	4	
15s	456.1	4198134	Radial Line Agreement-O&M-Mojave Solr	243,123	Traditional OOR	243,123	0	243,123	0		0	0	4	
15t	456.1	4188716	ISO Non-Refundable Interconnection Deposit	3,148,477	Other Ratemaking	0	0	0	0		0	3,148,477	6	
15u	456.1	4198910	RSR - Non-PTO's - RSBA	279,351	Other Ratemaking	0	0	0	0		0	279,351	6	
15v	456.1	4171022	Transmission Sales - ERRA	7,928,432	Other Ratemaking	0	0	0	0		0	7,928,432	6	
16	456.1 Total			121,439,554		55,938,746	45,460,120	10,478,626	0	0	0	65,500,809		
17	FF-1 Total for Account 456.1 - Revenues from Trans. Of Electricity of Others, p300.22b (Must Equal Line 16)			121,439,554										
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	520,326	GRSM	0	0	0	520,326	P	96,266	424,060	0	2
24b	417	4862110	ECS - Dark Fiber	6,401,079	GRSM	0	0	0	6,401,079	A	1,180,370	5,220,709	0	2
24c	417	4862115	ECS - SCE Net Fiber	3,328,620	GRSM	0	0	0	3,328,620	A	628,346	2,700,274	0	2
24d	417	4862120	ECS - Transmission Right of Way	663,926	GRSM	0	0	0	663,926	A	434,000	229,926	0	2
24e	417	4862135	ECS - Wholesale FCC	18,880,233	GRSM	0	0	0	18,880,233	A	3,889,356	14,990,878	0	2
24f	417	4864115	ECS - EU FCC Rev	147,511	GRSM	0	0	0	147,511	A	18,371	129,140	0	2
24g	417	4862125	ECS - Cell Site Rent and Use (Active)	13,715,064	GRSM	0	0	0	13,715,064	A	2,601,282	11,113,782	0	2
24h	417	4862130	ECS - Cell Site Reimbursable (Active)	1,697,874	GRSM	0	0	0	1,697,874	A	35,979	1,661,896	0	2
24i	417	4863120	ECS - Communication Sites	363,985	GRSM	0	0	0	363,985	P	73,930	290,055	0	2
24j	417	4863110	ECS - Cell Site Rent and Use (Passive)	3,716,959	GRSM	0	0	0	3,716,959	P	689,988	3,026,971	0	2
24k	417	4863115	ECS - Cell Site Reimbursable (Passive)	232,312	GRSM	0	0	0	232,312	P	8,273	224,039	0	2
24l	417	4863125	ECS - Micro Cell	2,519,630	GRSM	0	0	0	2,519,630	P	510,316	2,009,313	0	2
24m	417	4864120	ECS - End User Universal Service Fund Fee	39,634	GRSM	0	0	0	39,634	A	5,687	33,947	0	2
24n	417	4864116	ECS - Intrastate End User Revenue	1,892,113	GRSM	0	0	0	1,892,113	A	508,146	1,383,967	0	2
24o	417	4864121	ECS - Intrastate End User Fees	155,104	GRSM	0	0	0	155,104	A	41,726	113,379	0	2
24p	417	4864117	ECS - Interstate End User Tax Exempt	183,267	GRSM	0	0	0	183,267	A	30,850	152,417	0	2
24q	417	4864122	ECS - EU USAC E-Rate	40,754	GRSM	0	0	0	40,754	A	28,539	12,215	0	2
25	417 ECS Total			54,498,392		0	0	0	54,498,392		10,781,425	43,716,966	0	
26	417 Other			8,497,197										
27	FF-1 Total for Account 417 - Revenues From Nonutility Operations p117.33c (Must Equal Line 25 + 26)			62,995,589										

Line	FERC ACCT	B ACCT	C ACCT DESCRIPTION	D DOLLARS	E Category	F Traditional OOR			G GRSM			M Other Ratemaking	N Notes
						Total	ISO	Non-ISO	Total	A/P	Threshold [10]		
Subsidiaries													
28a	418.1		ESI (Gross Revenues - Active)		GRSM	0	0	0	0	A		0	2.9
28b	418.1		ESI (Gross Revenues - Passive)		GRSM	0	0	0	0	P		0	2.9
28c	418.1		Southern States Realty		GRSM	0	0	0	0	P		0	2.15
28d	418.1		Mono Power Company		Traditional OOR	0	0	0	0			0	13
28e	418.1		Edison Material Supply (EMS)	(677,300)	Traditional OOR	(677,300)	(41,248)	(636,052)	0			0	7.17
29	418.1 Subsidiaries Total			(677,300)		(677,300)	(41,248)	(636,052)	0		0	0	
30	418.1 Other (See Note 16)			(626)									
31	FF-1 Total for Account 418.1 - Equity in Earnings of Subsidiary Companies, p117.36c (Must Equal Line 29 + 30)			(626)									
32	Totals			879,616,485		306,661,097	48,966,256	257,694,842	80,624,265		16,671,389	63,952,876	492,331,122

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	37,812,697	= Sum Active categories in column L
37	Ratepayers' Share of Active Incremental Revenue	3,781,270	= Line 36D * 10%
38	Total Passive Incremental Revenue	26,140,179	= Sum Passive categories in column L
39	Ratepayers' Share of Passive Incremental Revenue	7,842,054	= Line 38D * 30%
40	Total Ratepayers' Share of Incremental Revenue	11,623,323	= Line 37D + Line 39D
41	ISO Ratepayers' Share of Incremental Revenue (%)	32.54%	see Note 11
42	ISO Ratepayers' Share of Incremental Revenue	3,782,408	= Line 40D * Line 41D
43	Tot. ISO Ratepayers' Share NTP&S Gross Rev.	9,207,535	= Line 34D + Line 42D

44	Total Revenue Credits:	\$58,173,791	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 = 0.0609 Source: CPUC D. 19-05-020
 - 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 = 0.0609 Source: CPUC D. 19-05-020
 - 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: **2018**

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	\$93,345,105	See Note 1
2	Acct 252 Other	\$79,619,300	Line 3 - Line 1
3	Total Acct 252 - Customer Advances for Construction	\$172,964,405	FF1 113.56d
2) End of Year Balances: (Note 2)			
4	Outstanding Network Upgrade Credits Recorded in FERC Acct 252	\$64,560,041	See Note 3
5	Acct 252 Other	\$110,833,276	Line 6 - Line 4
6	Total Acct 252 - Customer Advances for Construction	\$175,393,317	FF1 113.56c
7	Average Outstanding Network Upgrade Credits Beginning and End of Year	\$78,952,573	(Line 1 + Line 4) / 2
8	Interest On Network Upgrade Credits Recorded in FERC Acct 242	\$5,429,238	See Note 4
9	Acct 242 Other	\$688,003,970	Line 10 - Line 8
10	Total Acct 242 - Miscellaneous Current and Accrued Liabilities	\$693,433,208	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	
Line	Project	Prior Year EOY Amount	Prior Year Average Amount	Forecast Period Amount	Source
1	Tehachapi:	\$156,282	\$154,730	-\$156,282	10-CWIP, Lines 13, 14, 80
2	Devers to Colorado River:	\$0	\$0	\$0	10-CWIP, Lines 13, 14, 106
3	South of Kramer:	\$5,220,452	\$5,033,407	\$835,608	10-CWIP, Lines 13, 14, 132
4	West of Devers:	\$228,226,372	\$143,710,303	\$249,763,228	10-CWIP, Lines 13, 14, 158
5	Red Bluff:	\$0	\$0	\$0	10-CWIP, Lines 13, 14, 184
6	Whirlwind Sub Expansion:	\$0	\$0	\$0	10-CWIP, Lines 27, 28, 210
7	Colorado River Sub Expansion:	\$0	\$0	\$8,985,111	10-CWIP, Lines 27, 28, 236
8	Mesa:	\$123,208,374	\$84,051,373	\$143,072,495	10-CWIP, Lines 27, 28, 262
9	Alberhill:	\$20,101,220	\$18,124,041	\$1,266,088	10-CWIP, Lines 27, 28, 288
10	ELM Series Caps:	\$65,187,847	\$46,148,081	\$75,457,509	10-CWIP, Lines 27, 28, 314
11		\$0	---	\$0	10-CWIP, Lines 27, 28, 340
12	Totals:	\$442,100,547	\$297,221,934	\$479,223,757	Sum of Lines 1 to 11

b) Return:		EOY Amount	Average Amount	Source
13	CWIP Amount:	\$442,100,547	\$297,221,934	Line 12
14	Cost of Capital Rate:	7.8019%	7.8019%	1-BaseTRR, Line 54
15	Cost of Capital:	\$34,492,139	\$23,188,889	Line 13 * Line 14

c) Income Taxes		EOY Amount	Average Amount	Source
16	CWIP Amount:	\$442,100,547	\$297,221,934	Line 12
17	Equity ROR w Preferred Stock ("ER"):	5.6848%	5.6848%	1-BaseTRR, Line 55
18	Composite Tax Rate:	27.9836%	27.9836%	1-BaseTRR, Line 59
19	Income Taxes:	\$9,765,871	\$6,565,545	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 =	\$6,478	15-IncentiveAdder, Line 3

1) Tehachapi		EOY Amount	Average Amount	
25	Tehachapi CWIP Amount:	\$156,282	\$154,730	Line 1
26	ROE Adder %:	1.25%	1.25%	15-IncentiveAdder, Line 5
27	ROE Adder \$:	\$1,265	\$1,253	Formula on Line 32

2) Devers to Colorado River		EOY Amount	Average Amount	
28	DCR CWIP Amount:	\$0	\$0	Line 2
29	ROE Adder %:	1.00%	1.00%	15-IncentiveAdder, Line 6
30	ROE Adder \$:	\$0	\$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:	\$34,492,139	Line 15
34	Income Taxes:	\$9,765,871	Line 19
35	ROE Adder Tehachapi:	\$1,265	Line 27
36	ROE Adder DCR:	\$0	Line 30
37	FF&U:	\$503,582	Note 1
38	Total:	\$44,762,857	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>Project</u>	<u>Cost of Capital</u>	<u>Income Taxes</u>	<u>ROE Adder</u>	<u>FF&U</u>	<u>Total</u>	<u>Source</u>
39	Tehachapi:	\$12,193	\$3,452	\$1,265	\$192	\$17,103	Note 2
40	Devers to Colorado River:	\$0	\$0	\$0	\$0	\$0	Note 2
41	South of Kramer:	\$407,293	\$115,318	\$0	\$5,946	\$528,558	Note 2
42	West of Devers:	\$17,805,940	\$5,041,453	\$0	\$259,958	\$23,107,351	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	\$9,612,565	\$2,721,637	\$0	\$140,339	\$12,474,541	Note 2
47	Alberhill	\$1,568,272	\$444,030	\$0	\$22,896	\$2,035,198	Note 2
48	ELM Series Caps	\$5,085,875	\$1,439,980	\$0	\$74,251	\$6,600,107	Note 2
49		---	---	---	---	---	Note 2
50	Totals:	\$34,492,139	\$9,765,871	\$1,265	\$503,582	\$44,762,857	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>Project</u>	<u>Cost of Capital</u>	<u>Income Taxes</u>	<u>ROE Adder</u>	<u>FF&U</u>	<u>Total</u>	<u>Source</u>
51	Tehachapi:	\$12,072	\$3,418	\$1,253	\$190	\$16,933	Note 3
52	Devers to Colorado River:	\$0	\$0	\$0	\$0	\$0	Note 3
53	South of Kramer:	\$392,700	\$111,186	\$0	\$5,733	\$509,620	Note 3
54	West of Devers:	\$11,212,101	\$3,174,518	\$0	\$163,691	\$14,550,310	Note 3
55	Red Bluff:	\$0	\$0	\$0	\$0	\$0	Note 3
56	Whirlwind Sub Expansion:	\$0	\$0	\$0	\$0	\$0	Note 3
57	Colorado River Sub Expansion:	\$0	\$0	\$0	\$0	\$0	Note 3
58	Mesa	\$6,557,584	\$1,856,670	\$0	\$95,737	\$8,509,992	Note 3
59	Alberhill	\$1,414,015	\$400,355	\$0	\$20,644	\$1,835,014	Note 3
60	ELM Series Caps	\$3,600,416	\$1,019,397	\$0	\$52,564	\$4,672,378	Note 3
61		---	---	---	---	---	Note 3
62	Totals:	\$23,188,889	\$6,565,545	\$1,253	\$338,560	\$30,094,247	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:	\$479,223,757	Line 12, Col 3
64	AFCRCWIP:	10.011%	2-IFPTRR, Line 16
65	CWIP component of IFPTRR without FF&U:	\$47,974,358	Line 63 * Line 64
66	FF&U:	\$545,852	Line 65 * (28-FFU, L5 FF Factor + U Factor)
67	CWIP component of IFPTRR including FF&U:	\$48,520,210	Line 65 + Line 66

b) Individual Project Contribution

	<u>Project</u>	<u>Amount wo FF&U</u>	<u>Amount with FF&U</u>	<u>Source</u>
68	Tehachapi:	-\$15,645	-\$15,823	Note 4
69	Devers to Colorado River:	\$0	\$0	Note 4
70	South of Kramer:	\$83,651	\$84,603	Note 4
71	West of Devers:	\$25,003,415	\$25,287,904	Note 4
72	Red Bluff:	\$0	\$0	Note 4
73	Whirlwind Sub Expansion:	\$0	\$0	Note 4
74	Colorado River Sub Expansion:	\$899,486	\$909,720	Note 4
75	Mesa	\$14,322,769	\$14,485,733	Note 4
76	Alberhill	\$126,746	\$128,188	Note 4
77	ELM Series Caps	\$7,553,936	\$7,639,885	Note 4
78		---	---	Note 4
79	Totals:	\$47,974,358	\$48,520,210	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:	\$44,259,275	Sum Line 33 to 36
81	CWIP component of IFPTRR wo FF&U:	\$47,974,358	Line 65
82	Total without FF&U:	\$92,233,633	Line 80 + Line 81
83	FF Factor:	0.9244%	28-FFU, Line 5
84	U Factor:	0.2134%	28-FFU, Line 5
85	Franchise Fees Amount:	\$852,608	Line 82 * Line 83
86	Uncollectibles Amount:	\$196,827	Line 82 * Line 84
87	Total Contribution of CWIP to Retail Base TRR:	\$93,283,067	Line 82 + Line 85 + Line 86
88	Total Contribution of CWIP to Wholesale Base TRR:	\$93,086,241	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:	\$16,911	-\$15,645	\$14	\$1,280	Note 5
90	Devers to Colorado River:	\$0	\$0	\$0	\$0	Note 5
91	South of Kramer:	\$522,611	\$83,651	\$6,898	\$613,161	Note 5
92	West of Devers:	\$22,847,393	\$25,003,415	\$544,446	\$48,395,255	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	\$899,486	\$10,234	\$909,720	Note 5
96	Mesa	\$12,334,202	\$14,322,769	\$303,303	\$26,960,274	Note 5
97	Alberhill	\$2,012,302	\$126,746	\$24,338	\$2,163,387	Note 5
98	ELM Series Caps	\$6,525,856	\$7,553,936	\$160,200	\$14,239,991	Note 5
99		---	---	---	---	Note 5
100	Totals:	\$44,259,275	\$47,974,358	\$1,049,434	\$93,283,067	

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:	\$16,911	-\$15,645	\$12	\$1,277	Note 6
102	Devers to Colorado River:	\$0	\$0	\$0	\$0	Note 6
103	South of Kramer:	\$522,611	\$83,651	\$5,604	\$611,867	Note 6
104	West of Devers:	\$22,847,393	\$25,003,415	\$442,333	\$48,293,141	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	\$899,486	\$8,315	\$907,801	Note 6
108	Mesa	\$12,334,202	\$14,322,769	\$246,417	\$26,903,388	Note 6
109	Alberhill	\$2,012,302	\$126,746	\$19,773	\$2,158,822	Note 6
110	ELM Series Caps	\$6,525,856	\$7,553,936	\$130,154	\$14,209,945	Note 6
111		---	---	---	---	Note 6
112	Totals:	\$44,259,275	\$47,974,358	\$852,608	\$93,086,241	

Notes:

- 1) (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
- 2) 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.
- 3) 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.
- 4) Project contribution to total IFPTRR is based on fraction of Forecast Period CWIP Balances on Lines 1 to 12, Col 3.
- 5) 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)
- 6) 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	No
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	-\$2,176,300
9	3) Excess Deferred Taxes	Fixed values	\$2,503,000
10	4) Taxes Deferred - Acct. 282 ACRS/MACRS	Fixed values	-\$624,650
11	Totals:	-\$7,410,000	\$43,100
		-\$11,522,650	\$511,200
			\$881,000

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	10.01%
13	Prior Year		2018
14	Wholesale Rate Base Difference for Prior Year		-\$4,474,650
15	Wholesale Rate Base Adjustment	Line 14 * Line 12	-\$447,950

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	1.3886
20	Income Tax Adjustment to the TRR:	- Line 16 * Line 18
		-\$2,503,000
		27.984%
		-\$3,475,597

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		-\$43,100
		1.3886
		-\$59,847

25 c) Calculation of EPRI and EEI Dues Exclusion

	<u>Source</u>		<u>Notes/Instructions</u>
26			
27	EPRI Dues	SCE Records	\$60,000 Note 5
28	EEI Dues	SCE Records	\$1,560,365 Note 5
29	Sum of EPRI and EEI Dues	Line 27 + 28	\$1,620,365
30	Transmission Wages and Salaries Allocation Factor	27-Allocators, Line 5 9	5.7427%
31	EPRI and EEI Dues Exclusion	Line 29 * 30	\$93,052

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	-\$93,052
37	6) Additional Expense Difference		\$21,039 Note 6
38	Total Expense Difference:		-\$1,942,358

3) Calculation of the Wholesale Difference to the Base TRR

	<u>Source</u>	<u>Value</u>	
39	Wholesale Rate Base Adjustment	Line 15	-\$447,950
40	Expense Difference	Line 38	-\$1,942,358
41	Uncollectibles Expense -- Prior Year TRR	- 1-Base TRR, L 80	-\$2,307,141
42	Uncollectibles Expense -- IFPTRR	- 2-IFPTRR, L 80	-\$256,499
43	Subtotal:	Sum Line 39 to Line 42	-\$4,953,948
44	Franchise Fee Exclusion		-\$22,096 Note 4
45	Wholesale Difference to the Base TRR:	Line 43 + Line 44	-\$4,976,044

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	2020	21.00%	Note 1, Note 4
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	2020	8.8400%	Note 2, Note 4
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)	\$119,136,716
15	Capitalization Rate (Note 3)	39.8%
16	Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 * Line 15)	\$47,416,413
17	Non-Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 - Line 16)	\$71,720,303

Notes:

- 1) Federal Source Statute: Internal Revenue Code § 11. b
- 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: 2015-2018
- 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	Settlement Term #6: Revise Calculation of W&S Allocation Factor to exclude NOIC Amounts	19-OandM Line 91, Col. 7 Less 19-OandM Line 79, Col. 7 Less 19-OandM Line 87, Col. 7	\$30,466,410
2		FF1 354.28b	\$751,177,566
3		FF1 354.27b	\$220,649,268
4		Line 2 - Line 3	\$530,528,298
5		20-AandG, Note 2	-----
6	Also delete previous lines 5, 6, 7, and 8 and renumber remaining lines	20-AandG, Note 2	-----
7		Line 5 - Line 6	-----
8		Line 4 + Line 7	-----
5 9		Line 1 / Line 8	5.7427%

2) Calculation of Transmission Plant Allocation Factor

Line	Notes	FERC Form 1 Reference or Instruction	Prior Year Value
10 44		7-PlantStudy, Line 21	\$8,787,478,998
11 45		7-PlantStudy, Line 30	\$0
12 46		6-PlantInService, Line 21, C2	\$1,211,743,818
13 47		Line 12 46 * Line 5 9	\$69,586,267
14 48		6-PlantInService, Line 21, C1	\$3,095,312,496
15 49		Line 14 48 * Line 5 9	\$177,753,118
16 20		FF1 207.104g	\$48,205,871,081
18 22		(L10 44 + L11 45 + L13 47 + L15 49) / L16 20	18.7422%

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

Line	Values	Notes	Applied to Accounts
22 26 a) Line Miles			
23 27	5,702		563 --Overhead Line Expenses - Allocated
24 28	6,457		567 - Line Rents - Allocated
25 29	12,159 = L23 27 + L24 28		571 - Maintenance of Overhead Lines - Allocated
26 30	46.9% = L23 27 / L25 29		
27 31			
28 32 b) Underground Line Miles			
29 33	5		564 - Underground Line Expense
30 34	358		572 - Maintenance of Underground Transmission Lines
31 35	363 = L29 33 + L30 34		
32 36	1.4% = L29 33 / L31 35		
33 37			
34 38 c) Circuit Breakers			
35 39	1,233		All Other Non 0% or 100% Transmission O&M Accounts
36 40	2,093		
37 41	3,326 = L35 39 + L36 40		
38 42	37.1% = L35 39 / L37 41		
39 43			
40 44 d) Distribution Circuit Breakers			
41 45	0		582 - Station Expenses
42 46	8,841		590 - Maintenance Supervision and Engineering
43 47	8,841 = L41 45 + L42 46		591 - Maintenance of Structures
44 48	0.0% = L41 45 / L43 47		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	2018	Present	365	0.92440%	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	2018	Present	365	0.21340%	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	2018	0.92440%	0.21340%	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:	0.92440%	$((L1 \text{ FF Factor} * L1 \text{ Days}) + (L2 \text{ FF Factor} * L2 \text{ Days})) / (L1 + L2 \text{ Days})$
Prior Year U Factor:	0.21340%	$((L3 \text{ U Factor} * L3 \text{ Days}) + (L4 \text{ U Factor} * L4 \text{ Days})) / (L3 + L4 \text{ Days})$

CALCULATION OF SCE WHOLESALE HIGH AND LOW VOLTAGE TRRS

<u>Line</u>	<u>TRR Values</u>	<u>Notes</u>	<u>Source</u>
1	\$1,025,995,923 = Wholesale Base TRR		1-BaseTRR, Line 89
2	-\$72,958,322 = Total Wholesale TRBAA	Note 1	ER 19-220
3	-\$72,644,844 = HV Wholesale TRBAA		ER 19-220
4	-\$313,478 = LV Wholesale TRBAA		ER 19-220
5	-\$7,241,566 = Total Standby Transmission Revenues	Note 2	SCE Retail Standby Rate Revenue
6	97.0314% = HV Allocation Factor		31-HVLV, Line 37
7	2.9686% = 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: \$1,025,995,923	\$995,538,578	\$30,457,345	See Note 3
9	CWIP Component of Wholesale Base TRR: \$93,086,241	\$93,086,241	\$0	See Note 4
10	Non-CWIP Component of Wholesale Base TRR: \$932,909,682	\$902,452,337	\$30,457,345	See Note 5
11	Wholesale TRBAA: -\$72,958,322	-\$72,644,844	-\$313,478	Lines 2 to 4
12	Less Standby Transmission Revenues: <u>-\$7,241,566</u>	<u>-\$7,026,596</u>	<u>-\$214,971</u>	See Note 6
13	Components of Wholesale Transmission Revenue Requirement: \$945,796,035	\$915,867,138	\$29,928,897	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 =	\$29,928,897		29-WholesaleTRRs, Line 13, C3
2	Gross Load =	87,036,035	MWh	32-Gross Load, Line 4 3
3	Low Voltage Access Charge =	\$0.00034	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 =	\$915,867,138		29-WholesaleTRRs, Line 13, C2
5	Gross Load =	87,036,035	MWh	32-Gross Load, Line 4 3
6	High Voltage Utility-Specific Rate =	\$0.0105228	per kWh	Line 4 / (Line 5 * 1000)

Calculation of High Voltage Existing Contracts Access Charge:

				<u>Source</u>
7	HV Wholesale TRR =	\$915,867,138		29-WholesaleTRRs, Line 13, C2
8	Sum of Monthly Peak Demands:	177,229	MW	32-Gross Load, Line 5 4
9	HV Existing Contracts Access Charge:	\$5.17	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:				
Classification of Facility:	Total ISO Gross Plant	Land	Structures	HV Land	LV Land	HV Structures	LV Structures	HV/LV Transformers
Line 1 Lines:								
2 HV Transmission Lines	\$4,535,240,705	\$207,142,761	\$4,328,097,944	\$207,142,761	\$0	\$4,328,097,944	\$0	\$0
3 LV Transmission Lines	<u>\$108,889,670</u>	<u>\$5,561,931</u>	<u>\$103,327,739</u>	\$0	<u>\$5,561,931</u>	\$0	<u>\$103,327,739</u>	<u>\$0</u>
4 Total Transmission Lines (L 2 + L 3):	\$4,644,130,375	\$212,704,692	\$4,431,425,683	\$207,142,761	\$5,561,931	\$4,328,097,944	\$103,327,739	\$0
5								
6 Substations:								
7 HV Substations (>= 200 kV)	\$3,635,804,186	\$39,571,602	\$3,596,232,584	\$39,571,602	\$0	\$3,596,232,584	\$0	\$0
8 Straddle Subs (Cross 200 kV boundary):	464,104,071	\$191,615	\$463,912,456	\$107,609	\$84,006	\$271,869,850	\$130,090,918	\$61,951,688
9 LV Substations (Less Than 200kV)	<u>43,440,580</u>	<u>\$146,757</u>	<u>\$43,293,823</u>	\$0	<u>\$146,757</u>	\$0	<u>\$43,293,823</u>	<u>\$0</u>
10 Total all Substations (L7 + L8 + L9)	\$4,143,348,837	\$39,909,974	\$4,103,438,863	\$39,679,211	\$230,763	\$3,868,102,434	\$173,384,741	\$61,951,688
11								
12 Total Lines and Substations	\$8,787,479,212	\$252,614,666	\$8,534,864,546	\$246,821,972	\$5,792,694	\$8,196,200,378	\$276,712,480	\$61,951,688
13								
14								
15 Gross Plant that can directly be determined to be HV or LV:								
16								
17								
18 Land	\$246,821,972	\$5,792,694	\$252,614,666					
19 Structures	\$8,196,200,378	\$276,712,480	\$8,472,912,858					
20 Total Determined HV/LV:	\$8,443,022,350	\$282,505,174	\$8,725,527,524					
21 Gross Plant Percentages (Prior Year):	96.762%	3.238%						
22								
23 Straddling Transformers	\$59,945,887	\$2,005,801	\$61,951,688					
24 Abandoned Plant (BOY)	\$0	\$0	\$0					
25 Total HV and LV Gross Plant for Prior Year	\$8,502,968,237	\$284,510,975	\$8,787,479,212					
26								
27								
28 B) Gross Plant Percentage for the Rate Year:								
29								
30								
31								
32 Total HV and LV Gross Plant for Prior Year	\$8,502,968,237	\$284,510,975	\$8,787,479,212					
33 In Service Additions in Rate Year:	\$577,662,174	\$7,961,646	\$585,623,820					
34 CWIP in Rate Year	<u>\$479,223,757</u>	<u>\$0</u>	<u>\$479,223,757</u>					
35 Total HV and LV Gross Plant for Rate Year	\$9,559,854,168	\$292,472,621	\$9,852,326,789					
36								
37 HV and LV Gross Plant Percentages:	97.031%	2.969%						
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	86,985,944		Note 1
2	21,240		Note 2
3	28,851		Note 4
4 3	87,036,035	Line 1 + Line 2 + Line 3	Sum of above
5 4	177,229		

TO2020 value = 44,781 – 15,930
(2018 recorded of 44,781 – TO12 Forecast of 15,930)

Settlement Term #14: Inclusion of a "Pump Load True Up and associated new Note 4"

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.
- 4) The Pump Load True-Up value is equal to actual recorded less forecast Pump Load for the Prior Year.

Calculation of SCE Retail Transmission Rates

Retail Base TRR: 1,030,971,967 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	43.06%	\$443,895,955	28,631		1619	0	0	27,012	\$0.01643					
1b	TOU-GS-1	7.43%	\$76,561,761	5,811		16	0	1	5,794	\$0.01321					
1b2	TOU-GS-1 continued								0						
1c	TC-1	0.05%	\$493,441	57			0		57	\$0.00865					
1d	TOU-GS-2	16.52%	\$170,281,233	13,437		98,72238967	46,089	36	13,339		\$3.69				
1e	TOU-GS-3	8.60%	\$88,658,067	7,602		116,0352348	22,068	71	7,486		\$4.00				
1f	TOU-8-SEC	8.61%	\$88,763,564	8,103		49,91570293	20,668		8,054		\$4.29				
1g	TOU-8-PRI	5.59%	\$57,630,282	5,468		30,28861878	12,719		5,437		\$4.53				
1h	TOU-8-SUB	6.34%	\$65,312,916	5,982		3,941036453	12,119		5,978		\$5.39				
1i	TOU-8-Standby-SEC	0.09%	\$897,845	97	90		295	246	187		\$1.66				
1j	TOU-8-Standby-PRI	0.19%	\$1,918,798	448	226		1,135	1,243	674		\$0.81				
1k	TOU-8-Standby-SUB	0.39%	\$3,993,136	1,851	528		3,735	8,025	2,379		\$0.34				
1l	TOU-PA-2	1.57%	\$16,185,602	1,828		23,17331405	8,523	0	1,805		\$1.90				
1m	TOU-PA-3	1.21%	\$12,454,109	1,483		31,07450059	5,075	16	1,452		\$2.45				
1n	Street Lighting	0.38%	\$3,925,257	581					581	\$0.00675					
1o	---								0						
2	Totals:	100.00%	\$1,030,971,967	81,379	844	1,988	132,426	9,638	80,234						

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

9	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)
9a	TOU-8-Standby-SEC	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	\$897,845	246	\$3.65	TOU-8-Standby-SE	\$88,763,564	20,963	4.23	
9b	TOU-8-Standby-PRI	\$1,918,798	1,243	\$1.54	TOU-8-Standby-PF	\$57,630,282	13,854	4.16	
9c	TOU-8-Standby-SUB	\$3,993,136	8,025	\$0.50	TOU-8-Standby-SL	\$65,312,916	15,854	4.12	
9d	---				---				

3) End-User Transmission Rates

12	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
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		= Line16:Col2 / (Line1:Col8 * 10^6)
14		Note 12 Revenue associated with Supplemental Demand or Energy			Note 13		Note 14				Transportation Electrification (TE) Energy Charge - \$/kWh
15	CPUC Rate Group	Total Revenues	Standby Demand Revenue		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	\$443,895,955	\$443,895,955		\$0.01643						
16b	TOU-GS-1	\$76,561,761	\$76,560,392	\$1,369	\$0.01321	\$2.69	\$2.69			Note 15	\$0.01321
16c	TC-1	\$493,441	\$493,441		\$0.00865						
16d	TOU-GS-2	\$170,281,233	\$170,150,725	\$130,509		\$3.69	\$3.65			Note 16	\$0.01242
16e	TOU-GS-3	\$88,658,067	\$88,397,004	\$261,063		\$4.01	\$3.65				\$0.01242
16f	TOU-8-SEC	\$87,513,181	\$87,513,181			\$4.23					\$0.01087
16g	TOU-8-PRI	\$52,909,995	\$52,909,995			\$4.16					\$0.00973
16h	TOU-8-SUB	\$49,924,528	\$49,924,528			\$4.12					\$0.00835
16i	TOU-8-Standby-SEC	\$2,148,228	\$1,250,383	\$897,845		\$4.23	\$3.65				
16j	TOU-8-Standby-PRI	\$6,639,085	\$4,720,287	\$1,918,798		\$4.16	\$1.54				
16k	TOU-8-Standby-SUB	\$19,381,525	\$15,388,388	\$3,993,136		\$4.12	\$0.50				
16l	TOU-PA-2	\$16,185,602	\$16,184,873	\$729		\$1.90	\$1.90	\$1.42	1.416685965	Note 17	
16m	TOU-PA-3	\$12,454,109	\$12,415,993	\$38,116		\$2.45	\$2.45				
16n	Street Lighting	\$3,925,257	\$3,925,257		\$0.00675						
16o	---										
17	Totals:	\$1,030,971,967	\$1,023,730,400	\$7,241,566							

Notes:

- See Col 9 of Lines 35a, 35b, 35c, etc.
- 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).
- 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.
- 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.
- Sales forecast pertaining to the sum of monthly maximum supplemental Mega-watt demand, applies to demand charge schedules
- Sales forecast pertaining to the sum of monthly contracted standby Mega-watt demand, applies to standby schedules
- 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
- 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
- Line 1b2, Col11 = Line 1b Col9 * Line 1b Col11 * 10^6
- 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)
- Sum of the TOU-8 Standby and TOU-8 Non-Standby billing determinants in Line1:Col6
- For TOU-8 Rates revenue = Supplemental Demand Charge on Line 9 Column 8 * Maximum Demand on Lines 1 Column 6
- For optional time-of-use schedules within the GS-1 rate group (Line16b:Col6), = (Line1b2:Col11 - Line16:Col3) / Line1b:Col12 / 10^3
- For the non TOU-8-Standby rate group, it is the minimum of Line16i:Col7, or the total demand rate in Line1:Col109
- Applicable to time-of-use schedules within the GS-1 rate group
- Rates associated with Rate Groups GS-2 and TOU-GS-3 are calculated on a combined basis, so that the rate is the sum of the combined Revenue Associated with Supplemental Demand or Energy in Column 2 (line 16d and 16e) divided by the sum of the sum of the Billing Determinants in Column 8 (Line 1d and 1e).
- Applicable to the optional schedules that contain horse power charge such as PA-1
- 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	CPUC Rate Group	Rate Schedules included in Each Rate Group in the Rate Effective Period
24	25	
25	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.
26	26b	Domestic (con't) D (Option CPP), D-CARE (Option CPP), TOU-D-Option A, TOU-D-Option B, TOU-D-3, TOU-D-T-CPP, TOU-D (Options 4-9 PM, 5-8 PM, PRIME, and CPP)
27	26c	TOU-GS-1 Includes Schedules GS-1, TOU-EV-3, TOU-EV-7 (Options D and E), and TOU-GS-1 (Options E, ES, D, LG, C, A, B, RTP, CPP, Standby, GS-APS, GS-APS-E, and ME).
28	26d	TC-1 Includes Schedules TC-1, Wi-Fi-1, and WTR.
29	26e	TOU-GS-2 Includes Schedules GS-2, TOU-EV-4, TOU-EV-8, and TOU-GS-2 (Options D, E, A, B, R, RTP, CPP, Standby, GS-APS, GS-APS-E, and ME).
30	26f	TOU-GS-3 Includes Schedules TOU-GS-3-CPP, TOU-EV-8, and TOU-GS-3 (Options D, E, A, B, R, RTP, SOP, Standby, TOU-BIP, GS-APS, GS-APS-E, and ME).
31	26g	TOU-8-SEC Includes Schedules TOU-8-CPP, TOU-8-RBU, TOU-EV-9, and TOU-8 (Options D, E, A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
32	26h	TOU-8-PR1 Includes Schedules TOU-8-CPP, TOU-8-RBU, TOU-EV-9, and TOU-8 (Options D, E, A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
33	26i	TOU-8-SUB Includes Schedules TOU-8-CPP, TOU-8-RBU, TOU-EV-9, and TOU-8 (Options D, E, A, B, R, RTP, TOU-BIP, GS-APS, GS-APS-E, Backup-B, and ME).
34	26j	TOU-8-Standby-SEC Includes Schedules TOU-8-Standby (Options D, LG, A, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
35	26k	TOU-8-Standby-PR1 Includes Schedules TOU-8-Standby (Options D, LG, A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
36	26l	TOU-8-Standby-SUB Includes Schedules TOU-8-Standby (Options D, LG, A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
37	26m	TOU-PA-2 Includes Schedules PA-1, PA-2, TOU-PA-ICE, and TOU-PA-2 (Options D, E, 4-9 PM, 5-8 PM, A, B, RTP, SOP-1, SOP-2, CPP, Standby, and AP-I).
38	26n	TOU-PA-3 Includes Schedules TOU-PA-3-CPP, and TOU-PA-3 (Options D, E, 4-9 PM, 5-8 PM, A, B, RTP, SOP-1, SOP-2, Standby, and AP-I).
39	26o	Street Lighting Includes Schedules AL-2, AL-2-B, AL-2-F, DWL, LS-1, LS-2, LS-3, LS-3-B, and OL-1.
40	26p	---

28 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				=					=			
32				Line35:(Col1+Col2			from Line1:Col3	from Line1:Col4	= Col 7 + Col 8	Line35:(Col4*Col5	= Line35:(Col10 /	
33				+Col3)/3			Note 18			/Col6*Col9)	total of Col10)	
34	CPUC Rate Group	2015	2016	2017	3-Year Average	Line losses	Recorded GWh (Average)	Standby Adjusted Sales Forecast - GWh	Backup GWh	Total Sales Forecast - GWh	Loss Adjusted Average 12-CP	12-CP Allocation factors
35a	Domestic	70,775	70,601	78,359	73,245	1.0905	29,637	28,631	0	28,631	77,164	43.06%
35b	TOU-GS-1	12,889	12,483	12,202	12,525	1.0909	5,965	5,811	0	5,811	13,309	7.43%
35c	TC-1	83	82	83	83	1.0917	60	57	0	57	86	0.05%
35d	TOU-GS-2	30,626	29,452	28,687	29,588	1.0905	14,648	13,437	0	13,437	29,601	16.52%
35e	TOU-GS-3	16,184	15,947	15,513	15,881	1.0900	8,539	7,602	0	7,602	15,412	8.60%
35f	TOU-8-SEC	14,907	14,707	14,237	14,617	1.0909	8,474	8,200	0	8,200	15,430	8.61%
35g	TOU-8-PR1	9,882	9,684	9,644	9,737	1.0644	6,120	5,916	0	5,916	10,018	5.59%
35h	TOU-8-SUB	10,984	11,021	11,029	11,012	1.0315	7,836	7,832	0	7,832	11,354	6.34%
35i	TOU-8-Standby-SEC	143	155	142	147	1.0911	92	0	90	90	156	0.09%
35j	TOU-8-Standby-PR1	311	373	301	329	1.0645	237	0	226	226	334	0.19%
35k	TOU-8-Standby-SUB	631	714	602	649	1.0316	509	0	528	528	694	0.39%
35l	TOU-PA-2	3,024	2,748	2,325	2,699	1.0910	1,913	1,828	0	1,828	2,814	1.57%
35m	TOU-PA-3	1,833	1,891	1,858	1,861	1.0896	1,388	1,483	0	1,483	2,165	1.21%
35n	Street Lighting	660	685	960	768	1.0938	716	581	0	581	682	0.38%
35o	---											
36	Totals:	172,933	170,545	175,944	173,140		86,135	81,379	844	82,223	179,217	100.00%

Schedule 34
Unfunded Reserves

TO2020 Annual Update
Attachment 5, Settlement Model
2018 True Up TRR

Line		Reference	Col 1 Prior Year BOY Unfunded Reserves	Col 2 Prior Year EOY Unfunded Reserves	Prior Year Amount Col 3 Prior Year Average Unfunded Reserves
1					
2					
3					
4					
5					
6	Unfunded Reserves (EOY):	(Line 17, Col 2)			-\$163,282,358
7	Unfunded Reserves (Average BOY/EOY):	(Line 17, Col 3)			-\$86,758,064
8					
9					
10					
11					
12	Description of Issue				
13	Unfunded Reserves				
14	Provision for Injuries and Damages	(Line 24)	-\$6,158,829	-\$159,183,978	-\$82,671,404
15	Provision for Vac/Sick Leave	(Line 29)	-\$3,534,975	-\$3,563,339	-\$3,549,157
16	Provision for Supplemental Executive Retirement Plan	(Line 36)	-\$539,965	-\$535,041	-\$537,503
17	Totals:	(Line 14 + Line 15 + Line 16)	-\$10,233,769	-\$163,282,358	-\$86,758,064
18					
19	Calculations				
20					
21	Injuries and Damages		BOY	EOY	Average BOY/EOY
22	Injuries and Damages - Acct. 2251010	Company Records - Input (Negative)	-\$107,247,069	-\$2,771,957,879	
23	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	5.7427%	5.7427%	
24	ISO Transmission Rate Base Applicable	(Line 22 x Line 23)	-\$6,158,829	-\$159,183,978	-\$82,671,404
25					
26	Vacation Leave				
27	Vacation and Personal Time Accruals - Acct. 2350080	Company Records - Input (Negative)	-\$61,556,455	-\$62,050,371	
28	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	5.7427%	5.7427%	
29	ISO Transmission Rate Base Applicable	(Line 27 x Line 28)	-\$3,534,975	-\$3,563,339	-\$3,549,157
30					
31	Supplemental Executive Retirement Plan				
32	Supplemental Executive Retirement Plan	Company Records - Input (Negative)	-\$18,805,421	-\$18,633,934	
33	Times:	Applicable Rate Base Percentage	50%	50%	
34	Sub-Total Supplemental Executive Retirement Plan	(Line 32 x Line 33)	-\$9,402,711	-\$9,316,967	
35	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	5.7427%	5.7427%	
36	ISO Transmission Rate Base Applicable	(Line 34 x Line 35)	-\$539,965	-\$535,041	-\$537,503