Attachment 3

Revised TO2021 - 2019 True Up TRR
Formula Rate Spreadsheet

Overview of SCE Retail Base TRR

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

TRR Component	Amount
Prior Year TRR	$1,051,069,355
Incremental Forecast Period TRR	$99,434,040
True-Up Adjustment	-$53,036,468
Cost Adjustment	$0
Base TRR (retail)	$1,097,466,927

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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Formula Transmission Rate

Cells shaded yellow are input cells

Line		Notes	FERC Form 1 Reference or Instruction	2019 Value
RATE BASE				
1	ISO Transmission Plant		6-PlantInService, Line 19	$9,285,531,121
2	General Plant + Electric Miscellaneous Intangible Plant		6-PlantInService, Line 27	$295,082,247
3	Transmission Plant Held for Future Use		11-PHFU, Line 8	$9,942,155
4	Abandoned Plant		12-AbandonedPlant, Line 3	$0
	Working Capital amounts			
5	Materials and Supplies		13-WorkCap, Line 16	$23,767,745
6	Prepayments		13-WorkCap, Line 36	$14,002,735
7	Cash Working Capital		(Line 66 + Line 67) / 8	$24,688,767
8	Working Capital		Line 5 + Line 6 + Line 7	$62,459,246
	Accumulated Depreciation Reserve Balances			
9	Transmission Depreciation Reserve - ISO	Negative amount	8-AccDep, Line 13, Col. 12	-$1,910,452,318
10	Distribution Depreciation Reserve - ISO	Negative amount	8-AccDep, Line 16, Col. 5	$0
11	General + Intangible Plant Depreciation Reserve	Negative amount	8-AccDep, Line 26	-$105,738,761
12	Accumulated Depreciation Reserve		Line 9 + Line 10 + Line 11	-$2,016,191,079
13	Accum Net ADIT (Liab)/Asset and Net (Excess)/Deficient ADIT Amounts		9-ADIT-1, Line 5, Col. 2	-$1,621,359,578
14	CWIP Plant		14-IncentivePlant, L 13, Col 1	$647,763,205
15	Other Regulatory Assets/Liabilities		23-RegAssets, Line 14	$0
16	Unfunded Reserves		34-UnfundedReserves, Line 6	-$197,765,198
17	Network Upgrade Credits	Negative amount	22-NUCs, Line 4	-$36,762,569
18	Rate Base		L1 + L2 + L3 + L4 + L8 + L12 + L13 + L14+ L15+ L16 + L17	$6,428,699,550
OTHER TAXES				
19	Sub-Total Local Taxes	FF1 263.1, Row 13, Column i	FF1 263 or 263.x (see note to left)	$329,452,981
20	Transmission Plant Allocation Factor		27-Allocators, Line 22	18.6680%
21	Property Taxes		Line 19 * Line 20	$61,502,409
22	Payroll Taxes Expense			
23	FICA		Line 24 + Line 25+ Line 26	$117,647,986
24	Fed Ins Cont Amt -- Current	FF1 263, Row 6, Column i	FF1 263 or 263.x (see note to left)	$116,228,864
25	FICA/OASDI Emp Incntv.	FF1 263, Row 7, Column i	FF1 263 or 263.x (see note to left)	$1,175,852
26	FICA/HIT Emp Incntv.	FF1 263, Row 8, Column i	FF1 263 or 263.x (see note to left)	$243,270
27	CA SUI Current	FF1 263, Row 24, Column i	FF1 263 or 263.x (see note to left)	$5,948,364
28	Fed Unemp Tax Act- Current	FF1 263, Row 9, Column i	FF1 263 or 263.x (see note to left)	$1,718,978
29	CADI Vol Plan Assess	FF1 263, Row 29, Column i	FF1 263 or 263.x (see note to left)	$1,879,323
30	SF Pyrl Exp Tx - SCE	FF1 263, Row 28, Column i	FF1 263 or 263.x (see note to left)	$39,927
31	Total Electric Payroll Tax Expense		Line 23 + (Line 27 to Line 30)	$127,234,578
32	Capitalized Overhead portion of Electric Payroll Tax Expense		26-TaxRates, Line 16	$57,891,733
33	Remaining Electric Payroll Tax Expense to Allocate		Line 31 - Line 32	$69,342,845
34	Transmission Wages and Salaries Allocation Factor		27-Allocators, Line 9	6.5681%
35	Payroll Taxes Expense		Line 33 * Line 34	$4,554,479
36	Other Taxes	Note 1	Line 21 + Line 35	$66,056,889

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Formula Transmission Rate

Cells shaded yellow are input cells

Line		Notes	FERC Form 1 Reference or Instruction	2019 Value
RETURN AND CAPITALIZATION CALCULATIONS				
	Debt			
37	Long Term Debt Amount		5-ROR-1, Line 4	$14,367,696,054
38	Cost of Long Term Debt		5-ROR-1, Line 11	$655,538,361
39	Long Term Debt Cost Percentage		5-ROR-1, Line 12	4.5626%
	Preferred Stock			
40	Preferred Stock Amount		5-ROR-1, Line 16	$2,192,067,551
41	Cost of Preferred Stock		5-ROR-1, Line 20	$125,382,686
42	Preferred Stock Cost Percentage		5-ROR-1, Line 21	5.7198%
	Equity			
43	Common Stock Equity Amount		5-ROR-1, Line 27	$13,505,405,077
44	Total Capital		Line 37 + Line 40 + Line 43	$30,065,168,682
44a	Minimum Common Stock Capital Percentage (Docket No. ER19-1553)			47.50%
	Capital Percentages			
45	Long Term Debt Capital Percentage		100% - (Line 46 + Line 47)	45.2089%
46	Preferred Stock Capital Percentage		Line 40 / Line 44	7.2911%
47	Common Stock Capital Percentage		Max Line 44a or (Line 43 / Line 44)	47.5000%
			Line 45 + Line 46+ Line 47	100.0000%
	Annual Cost of Capital Components			
48	Long Term Debt Cost Percentage		Line 39	4.5626%
49	Preferred Stock Cost Percentage		Line 42	5.7198%
50	Return on Common Equity	Note 2	SCE Return on Equity	10.30%
	Calculation of Cost of Capital Rate			
51	Weighted Cost of Long Term Debt		Line 39 * Line 45	2.0627%
52	Weighted Cost of Preferred Stock		Line 42 * Line 46	0.4170%
53	Weighted Cost of Common Stock		Line 47 * Line 50	4.8925%
54	Cost of Capital Rate		Line 51 + Line 52 + Line 53	7.3722%
55	Equity Rate of Return Including Common and Preferred Stock	Used for Tax calculation	Line 52 + Line 53	5.3095%
56	Return on Capital: Rate Base times Cost of Capital Rate		Line 18 * Line 54	$473,938,711
INCOME TAXES				
57	Federal Income Tax Rate		26-Tax Rates, Line 1	21.0000%
58	State Income Tax Rate		26-Tax Rates, Line 8	8.8400%
59	Composite Tax Rate	= F + [S * (1 - F)]	(L57 + L58) - (L57 * L58)	27.9836%
	Calculation of Credits and Other:			
60	Amortization of Net (Excess)/Deficient Deferred Tax Liability Asset		Negative of 9-ADIT-2, Line 500, Column 7	-$29,467,842
61	Investment Tax Credit Flowed Through	Note 3		-$183,000
62	South Georgia Income Tax Adjustment	Note 3		$2,606,000
63	Credits and Other		Line 60 + Line 61+ Line 62	-$27,044,842
64	Income Taxes:		Formula on Line 65	$96,601,455
65	Income Taxes = [((RB * ER) + D) * (CTR/(1 – CTR))] + CO/(1 – CTR)			
	Where:			
	RB = Rate Base		Line 18	
	ER = Equity Rate of Return Including Common and Preferred Stock		Line 55	
	CTR = Composite Tax Rate		Line 59	
	CO = Credits and Other		Line 63	
	D = Book Depreciation of AFUDC Equity Book Basis	Workpaper:	WP-Schedule 1	$3,917,123

Southern California Edison Company

Formula Transmission Rate

Cells shaded yellow are input cells

Line		Notes	FERC Form 1 Reference or Instruction	2019 Value
PRIOR YEAR TRANSMISSION REVENUE REQUIREMENT				
	Component of Prior Year TRR:			
66	O&M Expense		19-OandM, Line 91, Col. 6	$110,879,588
67	A&G Expense		20-AandG, Line 23	$86,630,546
68	Network Upgrade Interest Expense		22-NUCs, Line 8	$4,075,484
69	Depreciation Expense		17-Depreciation, Line 70	$255,151,988
70	Abandoned Plant Amortization Expense		12-AbandonedPlant, Line 1	$0
71	Other Taxes		Line 36	$66,056,889
72	Revenue Credits	Negative amount	21-Revenue Credits, Line 44	-$54,094,032
73	Return on Capital		Line 56	$473,938,711
74	Income Taxes		Line 64	$96,601,455
75	Gains and Losses on Trans. Plant Held for Future Use -- Land	Gain negative, loss positive	11-PHFU, Line 10	$0
76	Amortization and Regulatory Debits/Credits		23-RegAssets, Line 16	$0
77	Prior Year Incentive Adder		15-IncentiveAdder, Line 14	$26,352,647
77a	Prior Year Incentive Adder Reversal	Note 5	Negative of Line 77	-$26,352,647
78	Total without FF&U		Sum of Lines 66 to 77a	$1,039,240,629
79	Franchise Fees Expense		L 78 * FF Factor (28-FFU, L 5)	$9,610,978
80	Uncollectibles Expense		L 78 * U Factor (28-FFU, L 5)	$2,217,747
81	Prior Year TRR		Line 78 + Line 79+ Line 80	$1,051,069,355
TOTAL BASE TRANSMISSION REVENUE REQUIREMENT				
	Calculation of Base Transmission Revenue Requirement			
82	Prior Year TRR		Line 81	$1,051,069,355
83	Incremental Forecast Period TRR		2-IFPTRR, Line 82	$99,434,040
84	True Up Adjustment		3-TrueUpAdjust, Line 30	-$53,036,468
85	Cost Adjustment	Note 4		$0
86	Base Transmission Revenue Requirement (Retail)	For Retail Purposes	L 82 + L 83 + L 84 + L 85	$1,097,466,927
	Wholesale Base Transmission Revenue Requirement			
87	Base TRR (Retail)		Line 86	$1,097,466,927
88	Wholesale Difference to the Base TRR		25-WholesaleDifference, Line 45	-$4,658,756
89	Wholesale Base Transmission Revenue Requirement		Line 87 + Line 88	$1,092,808,171

Notes:

1) 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.
2) 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. See Schedule 15 at Lines 31-39.
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: ER19-1553
3) No change in the South Georgia Income Tax Adjustment "Credits and Other" term will be made absent a filing at the Commission. Investment Tax Credit Flowed Through amount shall be negative $520,000 through the Prior Year of 2018, negative $183,000 for the Prior Year of 2019, and $0 thereafter.
4) Cost Adjustment may be included as provided in the Tariff protocols.
5) Prior Year Incentive Adder Reversal backs out the revenue requirement associated with any project-specific Incentive Adders (Line 77). Applicable pursuant to settlement under ER19-1553.

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")		
	AFCRCWIP represents the return and income tax costs associated with $1 of CWIP, expressed as a percent.		
	AFCRCWIP = CLTD + (COS * (1/(1 - CTR)))		
	where:		
	CLTD = Weighted Cost of Long Term Debt		
	COS = Weighted Cost of Common and Preferred Stock		
	CTR = Composite Tax Rate		
			Reference
	Wtd. Cost of Long Term Debt:	2.063%	1-BaseTRR, Line 51
	Wtd. Cost of Common + Pref. Stock:	5.310%	1-BaseTRR, Line 55
	Composite Tax Rate:	27.984%	1-BaseTRR, Line 59
	AFCRCWIP =	9.435%	Line 12 + (Line 13 * (1/(1 - Line 14)))
	b) Annual Fixed Charge Rate ("AFCR")		
	The AFCR is calculated by dividing the Prior Year TRR (without CWIP related costs) by Net Plant:		
	AFCR = (Prior Year TRR - CWIP-related costs) / Net Plant		
	Determination of Net Plant:		
			Reference
	Transmission Plant - ISO:	$9,285,531,121	6-PlantInService, Line 13
	Distribution Plant - ISO:	$0	6-PlantInService, Line 16
	Transmission Dep. Reserve - ISO:	$1,910,452,318	8-AccDep, Line 13
	Distribution Dep. Reserve - ISO:	$0	8-AccDep, Line 16
	Net Plant:	$7,375,078,803	(L27 + L28) - (L29 + L30)
	Determination of Prior Year TRR without CWIP related costs:		
	a) Determination of CWIP-Related Costs		
	1) Direct (without ROE adder) CWIP costs		
	CWIP Plant - Prior Year:	$647,763,205	10-CWIP, L 13 C1
	AFCRCWIP:	9.435%	Line 16
	Direct CWIP Related Costs:	$61,118,877	Line 37 * Line 38
	2) CWIP ROE Adder costs:		
	IREF:	$6,596	15-IncentiveAdder, Line 3
	Tehachapi CWIP Amount:	$157,683	10-CWIP, Line 13
	Tehachapi ROE Adder %:	1.25%	15-IncentiveAdder, Line 5
	Tehachapi ROE Adder $:	$1,300	Formula on Line 52
	DCR CWIP Amount:	$0	10-CWIP, Line 13
	DCR ROE Adder %:	1.00%	15-IncentiveAdder, Line 6
	DCR ROE Adder $:	$0	Formula on Line 52
	ROE Adder $ = (CWIP/$1,000,000) * IREF * (ROE Adder/1%)		
	CWIP Related Costs wo FF&U:	$61,120,177	Line 39 + Line 46 + Line 50
	FF&U Expenses:	$695,675	(28-FFU, L5 FF Factor + U Factor) * L54
	CWIP Related Costs with FF&U:	$61,815,852	Line 54 + Line 55

b) Determination of AFCR:

CWIP Related Costs wo FF&U:	$61,120,177	Line 54
Prior Year TRR wo FF&U:	$1,039,240,629	1-BaseTRR, Line 78
Prior Year TRR wo CWIP Related Costs:	$978,120,452	Line 61 - Line 60
75% of O&M and A&G in Prior Year TRR:	$148,132,601	(1-BaseTRR, Line 66 + Line 67) * .75
AFCR:	11.254%	(Line 62 - Line 63) / Line 31

2) Calculation of IFP TRR

		Reference
Forecast Plant Additions:	$1,185,405,573	16-PlantAdditions, L 25, C10
AFCR:	11.254%	Line 64
AFCR * Forecast Plant Additions:	$133,404,978	Line 69 * Line 70
Forecast Period Incremental CWIP:	-$371,898,028	10-CWIP, L 54, C8
AFCRCWIP:	9.435%	Line 16
AFCRCWIP * FP Incremental CWIP:	-$35,089,968	Line 73 * Line 74
IFPTRR without FF&U:	$98,315,010	Line 71 + Line 75
Franchise Fees Expense:	$909,225	Line 77 * FF (from 28-FFU, L 5)
Uncollectibles Expense:	$209,805	Line 77 * U (from 28-FFU, L 5)
Incremental Forecast Period TRR:	$99,434,040	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 1: True Up TRR: $1,050,055,254 Source: From 4-TUTRR, Line 46

Line	Calculations:		Col 1	Col 2 See Note 2	Col 3 See Note 3	Col 4 See Note 4	Col 5 = C2 - C3 + C 4	Col 6 See Note 5	Col 7 See Note 6	Col 8 See Note 7	Col 9 =C7 + C8
						One-Time Adjustments and			Cumulative Excess (-) or		
				Monthly True Up	Actual Retail Base Transmission	Shortfall/Excess Revenue In Previous	Monthly Excess (-) or Shortfall (+)	Monthly Interest	Shortfall (+) in Revenue wo Interest for	Interest for Current	Cumulative Excess (-) or Shortfall (+) in Revenue
10	Month	Year		TRR	Revenues	Annual Update	in Revenue	Rate	Current Month	Month	with Interest
11	December	2018		---	---	-$234,044,756	-$234,044,756	---	-$234,044,756	---	-$234,044,756
12	January	2019		$87,504,604	$91,759,835	$56,661	-$4,198,570	0.43%	-$238,243,326	-$1,015,419	-$239,258,745
13	February	2019		$87,504,604	$64,403,397		$23,101,208	0.43%	-$216,157,537	-$979,145	-$217,136,682
14	March	2019		$87,504,604	$84,749,270		$2,755,335	0.43%	-$214,381,348	-$927,764	-$215,309,111
15	April	2019		$87,504,604	$67,988,952		$19,515,652	0.45%	-$195,793,459	-$924,981	-$196,718,440
16	May	2019		$87,504,604	$93,530,169		-$6,025,564	0.45%	-$202,744,004	-$898,790	-$203,642,795
17	June	2019		$87,504,604	$82,893,262		$4,611,343	0.45%	-$199,031,452	-$906,017	-$199,937,469
18	July	2019		$87,504,604	$105,351,358		-$17,846,754	0.46%	-$217,784,223	-$960,760	-$218,744,983
19	August	2019		$87,504,604	$114,937,291		-$27,432,686	0.46%	-$246,177,669	-$1,069,322	-$247,246,991
20	September	2019		$87,504,604	$83,261,682		$4,242,922	0.46%	-$243,004,069	-$1,127,577	-$244,131,646
21	October	2019		$87,504,604	$88,300,708		-$796,104	0.45%	-$244,927,750	-$1,100,384	-$246,028,134
22	November	2019		$87,504,604	$66,473,158		$21,031,446	0.45%	-$224,996,687	-$1,059,806	-$226,056,493
23	December	2019		$87,504,604	$99,572,808	$5,882,847	-$6,185,357	0.45%	-$232,241,850	-$1,031,171	-$233,273,022

3) True Up Adjustment

			Notes:
26	Shortfall or Excess Revenue in Prior Year:	-$233,273,022	Line 23, Column 9
27	Previous Annual Update TU Adjustment:	-$184,210,609	Previous Annual Update Schedule 3, Line 30
28	TU Adjustment without Projected Interest	-$49,062,413	Line 26 - Line 27
29	Projected Interest to Rate Year Mid-Point:	-$3,974,055	Line 28 * (Line 23, Column 6) * 18 months
30	True Up Adjustment:	-$53,036,468	Line 28 + Line 29. Positive amount is to be collected by SCE (included in Base TRR as a positive amount).
31			Negative amount is to be returned to customers by SCE (included in Base TRR as a negative amount).

Previous Annual Update: TO2020, Docket No. ER19-1553

4) Final True Up Adjustment

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.
The Final True Up Adjustment shall be calculated as above, with interest to the termination date of the Formula Transmission Rate.

Partial Year TRR Attribution Allocation Factors:

Month	Partial Year TRR AAF	Note:
January	6.376%	See Note 2.
February	5.655%	
March	7.183%	
April	8.224%	
May	8.018%	
June	8.945%	
July	9.891%	
August	10.141%	
September	10.218%	
October	9.179%	
November	7.530%	
December	8.640%	
Total:	100.000%	

Transmission Revenues: (Note 8)

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
	See Note 9	See Note 10					Sum of left
Prior Year Month	Actual Retail Base Transmission Revenues	Other Transmission	Distribution	Generation	Public Purpose	Other	Monthly Total Retail Revenue
Jan	$91,759,835	-$10,013,013	$406,581,219	$365,244,852	$38,585,668	$35,847,032	$928,005,593
Feb	$64,403,397	-$5,005,734	$300,716,833	$278,452,713	$27,014,084	$25,937,960	$691,519,253
Mar	$84,749,270	-$7,717,256	$369,069,441	$309,219,269	$37,276,381	$32,529,723	$825,126,827
Apr	$67,988,952	-$6,167,673	$121,348,118	$279,319,866	$30,518,078	$25,210,214	$518,217,555
May	$93,530,169	-$8,544,241	$322,874,178	$389,092,876	$36,268,518	$33,235,581	$866,457,081
Jun	$82,893,262	-$3,690,233	$356,415,014	$424,192,087	$20,511,372	$32,270,719	$912,592,221
Jul	$105,351,358	-$456,226	$517,410,868	$674,099,985	$21,004,053	$45,021,337	$1,362,431,375
Aug	$114,937,291	-$2,465,599	$500,396,190	$660,694,470	$36,284,082	$46,366,682	$1,356,213,115
Sep	$83,261,682	-$1,896,703	$363,837,484	$508,845,119	$26,814,938	$35,136,414	$1,015,998,934
Oct	$88,300,708	-$2,000,018	$204,509,898	$403,894,974	$21,725,323	$35,095,022	$751,525,907
Nov	$66,473,158	-$1,504,656	$231,400,296	$245,128,620	$18,944,652	$26,734,799	$587,176,869
Dec	$99,572,808	-$2,251,074	$375,676,579	$432,901,977	$29,599,630	$40,934,002	$976,433,923
Totals:	$1,043,221,890	-$51,712,429	$4,070,236,118	$4,971,086,807	$344,546,780	$414,319,485	$10,791,698,651

"Total Sales to Ultimate Consumers" from FERC Form 1 Page 300, Line 10, Column b: $10,791,698,652

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).

   Workpaper for Line 12: WP Schedule 3 One Time Adjustment - Prior Period
   Workpaper for Line 23: WP Schedule 3 One Time Adjustment Transition

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 wo 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

Line	Rate Base Item	Calculation Method	Notes	FERC Form 1 Reference or Instruction	Amount
1	ISO Transmission Plant	13-Month Avg.		6-PlantInService, Line 18	$8,939,630,709
2	General + Elec. Misc. Intangible Plant	BOY/EOY Avg.		6-PlantInService, Line 24	$288,986,135
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
	Working Capital Amounts				
5	Materials and Supplies	13-Month Avg.		13-WorkCap, Line 17	$21,476,900
6	Prepayments	13-Month Avg.		13-WorkCap, Line 33	$21,286,307
7	Cash Working Capital	1/8 (O&M + A&G)		1-Base TRR Line 7	$24,688,767
8	Working Capital			Line 5 + Line 6 + Line 7	$67,451,974
	Accumulated Depreciation Reserve Amounts				
9	Transmission Depreciation Reserve - ISO	13-Month Avg.	Negative amount	8-AccDep, Line 14, Col. 12	-$1,839,774,172
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	-$105,809,933
12	Accumulated Depreciation Reserve			Line 9 + Line 10 + Line 11	-$1,945,584,105
13	Accumulated Deferred Income Taxes	BOY/EOY Avg.		9-ADIT-1, Line 15	-$1,632,145,855
14	CWIP Plant	13-Month Avg.		14-IncentivePlant, L 13, C2	$602,185,189
15	Network Upgrade Credits	BOY/EOY Avg.	Negative amount	22-NUCs, Line 7	-$50,661,305
16	Unfunded Reserves			34-UnfundedReserves, Line 7	-$192,258,246
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	$6,087,546,652

B) Return on Capital

Line				
19	Cost of Capital Rate	See Instruction 1	Instruction 1, Line j	7.7412%
20	Return on Capital: Rate Base times Cost of Capital Rate		Line 18 * Line 19	$471,247,419

C) Income Taxes

21	Income Taxes = [((RB * ER) + D) * (CTR/(1 – CTR))] + CO/(1 – CTR)			$98,290,059
	Where:			
22	RB = Rate Base		Line 18	$6,087,546,652
23	ER = Equity ROR inc. Com. and Pref. Stock	Instruction 1	Instruction 1, Line k	5.6785%
24	CTR = Composite Tax Rate		1-Base TRR L 59	27.9836%
25	CO = Credits and Other		1-Base TRR L 63	-$27,044,842
26	D = Book Depreciation of AFUDC Equity Book Basis		1-Base TRR L 65	$3,917,123

D) True Up TRR Calculation

27	O&M Expense	1-Base TRR L 66	$110,879,588
28	A&G Expense	1-Base TRR L 67	$86,630,546
29	Network Upgrade Interest Expense	1-Base TRR L 68	$4,075,484
30	Depreciation Expense	1-Base TRR L 69	$255,151,988
31	Abandoned Plant Amortization Expense	1-Base TRR L 70	$0
32	Other Taxes	1-Base TRR L 71	$66,056,889
33	Revenue Credits	1-Base TRR L 72	-$54,094,032
34	Return on Capital	Line 20	$471,247,419
35	Income Taxes	Line 21	$98,290,059
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	$1,038,237,941
39	True Up Incentive Adder	15-IncentiveAdder L 20	$26,714,526
39a	True Up Incentive Adder Reversal	Negative of Line 39, Note 1	-$26,714,526
40	True Up TRR without Franchise Fees and Uncollectibles Expense included:	Sum of Lines 38 to 39a	$1,038,237,941

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

Line			**Reference:**
41	True Up TRR wo FF:	$1,038,237,941	Line 40
42	Franchise Fee Factor:	0.925%	28-FFU, L 5
43	Franchise Fee Expense:	$9,601,705	Line 41 * Line 42
44	Uncollectibles Expense Factor:	0.213%	28-FFU, L 5
45	Uncollectibles Expense:	$2,215,608	Line 41 * Line 44
46	True Up TRR:	$1,050,055,254	L 41 + L 43 + L 45

Change In TO2021 TUTRR	
$1,050,055,254	
$1,045,077,007	TO2021 Annual Update - Attachment 1, Sch4, Line 46
$4,978,247	

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"

		Percentage	Reference:	From	To		Days ROE In Effect
a	ROE at end of Prior Year	10.30%	See Line e below	Nov 12, 2019	Dec 31, 2019		50
b	ROE start of Prior Year	11.20%	See Line f below	Jan 1, 2019	Nov 11, 2019		315
c						Total days in year:	365
d	Wtd. Avg. ROE in Prior Year	11.08%	((Line a ROE * Line a days) + (Line b ROE * Line b days)) / Total Days in Year				

Commission Decisions approving ROE:

		Reference:
e	End of Prior Year	Settlement of TO2019A (ER19-1553)
f	Beginning of Prior Year	169 FERC ¶ 61,177

		Percentage	Reference:
g	Wtd. Cost of Long Term Debt	2.0627%	1-Base TRR L 51
h	Wtd.Cost of Preferred Stock	0.4170%	1-Base TRR L 52
i	Wtd.Cost of Common Stock	5.2614%	1-Base TRR L 47 * Line d
j	Cost of Capital Rate	7.7412%	Sum of Lines g to i

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

	Percentage	Reference:
k	5.6785%	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 settlement of ER19-1553.

$5,265,694	A&G Order 668 Transfer
-$32	A&G 923 Adjustment
-$136,858	A&G BRRBA Distribution Credit Adjustment
-$22,735	A&G 926 SH Adjustment
-$133,167	A&G FERC Audit Refund-Compromise Settlements
$5,345	A&G 923 EIX Accounting Change
$4,978,247	Total Adjustment

Calculation of Components of Cost of Capital Rate

Cells shaded yellow are input cells

Line		Notes	FERC Form 1 Reference or Instruction	2019 Value
RETURN AND CAPITALIZATION CALCULATIONS				
	Calculation of Long Term Debt Amount			
1	Bonds -- Account 221	13-month avg.	5-ROR-2, Line 1	$14,061,240,659
2	Less Reacquired Bonds -- Account 222	13-month avg.	5-ROR-2, Line 2	$0
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	$306,455,395
4	Long Term Debt Amount		L1 + L2 + L2a + L3	$14,367,696,054
	Calculation of Cost of Long-Term Debt			
5	Interest on Long-Term Debt -- Account 427		FF1 117.62c	$629,079,672
6	Amortization of Debt Discount and Expense -- Account 428		FF1 117.63c	$15,209,740
7	Amortization of Loss on Reacquired Debt -- Account 428.1		FF1 117.64c	$12,446,072
8	Less Amortization of Premium on Debt -- Account 429	Enter negative	FF1 117.65c	-$1,197,123
9	Less Amort. of Gain on Reacquired Debt -- Account 429.1	Enter negative	FF1 117.66c	$0
10	Interest on Debt to Associated Companies -- Account 430		FF1 117.67c	$0
11	Cost of Long Term Debt		Sum of Lines 5 to 10	$655,538,361
12	Long-Term Debt Cost Percentage		Line 11 / Line 4	4.5626%
	Calculation of Preferred Stock Amount			
13	Preferred Stock Amount -- Account 204	13-month avg.	5-ROR-2, Line 4	$2,245,054,950
14	Unamortized Issuance Costs	13-month avg.	5-ROR-2, Line 5	-$35,163,419
15	Net Gain (Loss) From Purchase and Tender Offers	13-month avg.	5-ROR-2, Line 6	-$17,823,980
16	Preferred Stock Amount		Sum of Lines 13 to 15	$2,192,067,551
	Calculation of Cost of Preferred Stock			
17	Cost of Preferred Stock -- Account 437	Enter positive	FF1 118.29c	$120,926,595
18	Amortization of Net Gain (Loss) From Purchases and Tender Offers		See Note 1	$1,036,091
19	Amortization Issuance Costs		See Note 2	$3,420,000
20	Cost of Preferred Stock -- Account 437		Sum of Lines 17 to 19	$125,382,686
21	Preferred Stock Cost Percentage		Line 20 / Line 16	5.7198%
	Calculation of Common Stock Equity Amount			
22	Total Proprietary Capital	13-month avg.	5-ROR-2, Line 7	$15,704,168,456
23	Less Preferred Stock Amount -- Account 204	Same as L 13, but negative	5-ROR-2, Line 4	-$2,245,054,950
24	Minus Net Gain (Loss) From Purchase and Tender Offers	Same as L 15, but reverse sign	See Note 3	$17,823,980
25	Less Unappropriated Undist. Sub. Earnings -- Acct. 216.1	13-month avg.	5-ROR-2, Line 8	$2,604,739
26	Less Accumulated Other Comprehensive Loss -- Account 219	13-month avg.	5-ROR-2, Line 9	$25,862,851
27	Common Stock Equity Amount		Sum of Lines 22 to 26	$13,505,405,077

Notes:

1) Total annual amortization associated with events listed in Note 6 on 5-ROR-2.
2) Total annual amortization associated with preferred equity issues listed in Note 5 on 5-ROR-2.
3) Negative of Line 15, charge to common equity reversed for ratemaking.

Calculation of 13-Month Average Capitalization Balances

Year **2019** **Workpaper:** WP Schedule 5 ROR-2

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		$14,061,240,659	$12,801,900,000	$12,801,900,000	$12,762,614,286	$13,862,614,286	$13,862,614,286	$13,862,614,286	$13,862,614,286	$13,862,614,286	$15,023,328,571	$15,023,328,571	$15,023,328,571	$15,023,328,571	$15,023,328,571
	Reacquired Bonds -- Account 222 (Note 2): enter - of FF1														
2		$0	$0	$0	$0	$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
	Other Long Term Debt -- Account 224 (Note 3):														
3		$306,455,395	$306,490,453	$306,484,700	$306,478,922	$306,473,121	$306,467,295	$306,461,444	$306,455,568	$306,449,668	$306,443,743	$306,437,793	$306,431,818	$306,425,818	$306,419,792
	Preferred Stock Amount -- Account 204 (Note 4):														
4		$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 5): enter negative														
5		-$35,163,419	-$36,870,625	-$36,586,091	-$36,301,556	-$36,017,022	-$35,732,487	-$35,447,953	-$35,163,419	-$34,878,884	-$34,594,350	-$34,309,815	-$34,025,281	-$33,740,746	-$33,456,212
	Net Gain (Loss) From Purchase and Tender Offers Note 6):														
6		-$17,823,980	-$18,337,973	-$18,252,335	-$18,166,696	-$18,081,058	-$17,995,419	-$17,909,781	-$17,824,142	-$17,738,504	-$17,652,866	-$17,567,227	-$17,481,589	-$17,395,248	-$17,308,907
	Total Proprietary Capital (Note 7):														
7		$15,704,168,456	$13,785,814,465	$13,895,712,474	$13,767,842,252	$13,870,286,067	$14,697,239,347	$14,816,789,370	$15,492,646,758	$15,638,828,771	$17,040,370,052	$17,645,554,362	$17,790,078,831	$17,885,756,771	$17,827,270,408
	Unappropriated Undist. Sub. Earnings -- Acct. 216.1 (Note 8): enter - of FF1														
8		$2,604,739	$2,604,107	$2,604,256	$2,604,256	$2,604,256	$2,604,256	$2,604,353	$2,605,066	$2,605,066	$2,605,206	$2,605,206	$2,605,206	$2,605,206	$2,605,169
	Accumulated Other Comprehensive Loss -- Account 219 (Note 9): enter - of FF1														
9		$25,862,851	$22,574,194	$22,115,036	$26,679,121	$26,605,430	$26,146,271	$25,687,113	$25,613,422	$25,154,263	$24,695,105	$24,621,414	$24,162,255	$23,351,571	$38,811,870

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) Update Notes 5 and 6 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) 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.
5) 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 6.250%	$350,000,000	1/17/12	$5,957,289	10	$595,729	
Series G 5.1%	$400,000,000	1/29/13	$12,972,287	30	$432,410	
Series H 5.75%	$275,000,000	3/6/14	$6,272,358	10	$627,236	
Series J 5.375%	$325,000,000	8/24/15	$6,419,578	10	$641,958	
Series K 5.45%	$300,000,000	3/8/16	$6,959,810	10	$695,981	
Series L 5.00%	$475,000,000	6/26/17	$12,800,620	30	$426,687	Updated 4/11/18 from 120 mos to 360 mos because this is a fixed security.
					$3,420,000	Total Annual Amortization (sum of "Issues" listed above)

6) Amounts in columns 2-14 are from SCE internal records.
List associated securities and event, Event Date, Amortization Amount, Amortization Period, and Annual Amortization:

Issue/Event	Event Date	Amortization Amount	Amortization Period (Years)	Annual Amortization	Notes
12.000% Preferred, redemption	2/1/86	$15,313	34	$183,750	
12.000% Preferred, redemption	2/1/86	$2,512	34	$30,147	
Series B	2/28/13	$7,184	30	$86,212	Redeemed by Series G
Series C	2/28/13	$8,019	30	$96,229	Redeemed by Series G
Series D	3/31/16	$17,898	10	$214,780	Redeemed by Series K
Series F	7/19/17	$35,414	30	$424,973	
				$1,036,091	Total Annual Amortization (sum of "Issues/Events" listed above)

7) Amount in Column 2 from FF1 112.16d, amount in Column 14 from FF1 112.16c, amounts in columns 3-13 from SCE internal records.
8) Amount in Column 2 from FF1 112.12d (opposite sign), amount in Column 14 from FF1 112.12c (opposite sign), amounts in columns 3-13 from SCE internal records.
9) Amount in Column 2 from FF1 112.15d (opposite sign), amount in Column 14 from FF1 112.15c (opposite sign), amounts in columns 3-13 from SCE internal records.

Plant In Service

Inputs are shaded yellow

Workpapers for additional information: WP Schedule 6&8
WP Schedule 6 Prior Year Corp OH Exp

1) Transmission Plant - ISO

Balances for Transmission Plant - ISO during the Prior Year, including December of previous year (See Note 1): Prior Year: **2019**

	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
Line	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
1	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	$8,787,478,997
2	Jan 2019	$87,356,156	$165,217,772	$646,001,650	$3,462,904,494	$2,273,515,090	$392,609,455	$1,319,770,641	$190,887,474	$83,987,440	$173,793,754	$8,796,043,926
3	Feb 2019	$87,378,283	$165,238,734	$649,915,491	$3,463,000,294	$2,273,899,913	$394,544,588	$1,320,181,319	$190,896,529	$83,991,813	$173,965,840	$8,803,012,804
4	Mar 2019	$87,422,936	$165,274,761	$656,305,655	$3,473,399,159	$2,273,589,636	$396,552,951	$1,322,780,079	$190,915,965	$83,998,080	$176,594,549	$8,826,833,772
5	Apr 2019	$87,480,042	$165,233,220	$656,534,696	$3,484,806,815	$2,277,229,730	$397,457,164	$1,339,023,383	$190,926,871	$84,003,483	$176,656,377	$8,859,351,782
6	May 2019	$87,483,625	$165,268,205	$660,917,189	$3,507,319,640	$2,278,145,727	$398,520,802	$1,361,310,693	$190,946,305	$84,012,373	$177,585,902	$8,911,510,461
7	Jun 2019	$87,557,692	$165,408,136	$661,485,300	$3,511,174,756	$2,281,853,521	$399,556,990	$1,369,808,902	$190,952,605	$84,019,571	$177,579,720	$8,929,397,194
8	Jul 2019	$87,553,684	$165,483,879	$661,382,666	$3,515,998,243	$2,283,177,846	$400,761,723	$1,371,206,861	$215,333,813	$59,244,428	$177,612,079	$8,937,755,222
9	Aug 2019	$87,553,684	$165,484,094	$674,909,871	$3,538,452,630	$2,285,134,792	$401,429,532	$1,370,067,207	$215,340,822	$59,244,867	$177,615,267	$8,975,232,766
10	Sep 2019	$87,570,145	$165,595,201	$677,295,973	$3,543,843,021	$2,297,900,875	$402,224,730	$1,379,053,257	$215,347,100	$59,245,373	$177,619,374	$9,005,695,048
11	Oct 2019	$87,569,796	$165,598,609	$677,882,532	$3,550,828,647	$2,299,348,771	$403,632,408	$1,403,798,673	$215,352,795	$59,245,902	$178,258,588	$9,041,516,720
12	Nov 2019	$88,713,600	$165,585,388	$677,781,640	$3,558,254,573	$2,300,875,371	$404,634,827	$1,406,436,694	$215,364,289	$59,250,147	$178,942,879	$9,055,839,408
13	Dec 2019	$88,722,950	$165,732,566	$741,230,571	$3,714,934,156	$2,305,124,778	$408,001,019	$1,408,013,216	$215,368,702	$59,251,566	$179,151,598	$9,285,531,121
14	13-Mo. Avg:	$87,670,406	$165,414,039	$668,101,426	$3,521,898,460	$2,285,731,219	$398,959,114	$1,360,227,716	$202,194,190	$72,575,713	$176,858,426	$8,939,630,709

2) Distribution Plant - ISO

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

	Col 1	Col 2	Col 3	Col 4	Col 5
					Sum C2 - C4
Line	Mo/YR	360	361	362	Total
15	Dec 2018	$0	$0	$0	$0
16	Dec 2019	$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"

		Amount	Source
18	Average value:	$8,939,630,709	Sum of Line 14, Col 12 and Line 17, Col 5
19	EOY Value:	$9,285,531,121	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	$3,095,312,496	$1,211,743,818	$4,307,056,314	BOY amount from previous PY
21	December	FF1 207.99.g and 205.5g	$3,238,857,833	$1,253,827,471	$4,492,685,304	End of year ("EOY") amount

a) BOY/EOY Average G&I Plant

		Amount	Source
22	Average BOY/EOY Value:	$4,399,870,809	Average of Line 20 and 21.
23	Transmission W&S Allocation Factor:	6.5681%	27-Allocators, Line 9
24	General + Intangible Plant:	$288,986,135	Line 22 * Line 23.

b) EOY G&I Plant

		Amount	Source
25	EOY Value:	$4,492,685,304	Line 21.
26	Transmission W&S Allocation Factor:	6.5681%	27-Allocators, Line 9
27	General + Intangible Plant:	$295,082,247	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 2018	$131,612,781	$211,617,314	$983,751,073	$6,072,137,167	$2,355,779,001	$1,500,195,880	$1,653,093,431	$271,487,039	$399,339,545	$195,497,058	$13,774,510,291
29	Jan 2019	$131,616,183	$211,595,699	$988,526,657	$6,079,034,554	$2,344,292,684	$1,516,789,871	$1,662,028,354	$271,492,229	$399,279,034	$195,510,606	$13,800,165,873
30	Feb 2019	$131,638,311	$211,606,168	$996,647,573	$6,079,249,713	$2,344,714,631	$1,537,009,559	$1,662,485,958	$271,497,434	$399,387,473	$195,704,998	$13,829,941,819
31	Mar 2019	$131,682,964	$211,624,570	$1,009,871,963	$6,102,515,153	$2,344,883,461	$1,558,927,282	$1,665,250,453	$272,559,701	$401,424,256	$198,336,421	$13,897,076,225
32	Apr 2019	$131,752,466	$211,605,283	$1,010,323,631	$6,127,921,998	$2,349,025,256	$1,570,109,062	$1,684,119,097	$272,593,588	$401,459,164	$198,438,537	$13,957,348,082
33	May 2019	$131,756,771	$211,622,567	$1,019,393,419	$6,178,360,443	$2,350,067,383	$1,581,710,729	$1,710,040,274	$273,048,600	$401,913,382	$199,705,105	$14,057,618,674
34	Jun 2019	$131,830,601	$211,691,704	$1,020,568,396	$6,186,991,741	$2,354,292,433	$1,593,131,607	$1,719,921,075	$271,117,743	$399,712,189	$199,697,500	$14,088,954,989
35	Jul 2019	$131,826,593	$211,731,153	$1,020,929,155	$6,196,634,800	$2,355,787,786	$1,605,970,460	$1,721,531,135	$295,920,223	$373,794,612	$199,731,417	$14,113,857,333
36	Aug 2019	$131,826,593	$211,731,259	$1,048,916,287	$6,246,924,011	$2,358,016,774	$1,613,285,126	$1,720,191,260	$295,927,379	$375,073,101	$199,734,907	$14,201,626,697
37	Sep 2019	$131,843,181	$211,786,151	$1,052,576,596	$6,258,978,898	$2,372,570,193	$1,622,089,384	$1,730,638,396	$296,012,791	$375,826,522	$199,741,186	$14,252,063,298
38	Oct 2019	$131,842,746	$211,788,262	$1,053,778,006	$6,274,634,032	$2,374,170,288	$1,633,985,339	$1,759,363,210	$296,251,233	$376,202,282	$200,474,304	$14,312,489,703
39	Nov 2019	$133,211,136	$211,781,755	$1,053,569,859	$6,291,273,294	$2,375,874,676	$1,646,618,935	$1,762,333,638	$296,276,113	$376,256,816	$201,382,464	$14,348,578,687
40	Dec 2019	$133,220,266	$211,856,223	$1,143,959,578	$6,517,444,414	$2,380,316,641	$1,666,864,455	$1,763,812,033	$296,662,316	$376,202,208	$201,604,232	$14,691,942,366

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

	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
41	Jan 2019	$3,402	-$21,615	$4,775,585	$6,897,387	-$11,486,317	$16,593,991	$8,934,923	$5,189	-$60,511	$13,548	$25,655,582
42	Feb 2019	$22,128	$10,469	$8,120,916	$215,158	$421,947	$20,219,688	$457,604	$5,206	$108,439	$194,393	$29,775,947
43	Mar 2019	$44,653	$18,402	$13,224,390	$23,265,441	$168,830	$21,917,723	$2,764,495	$1,062,267	$2,036,783	$2,631,423	$67,134,406
44	Apr 2019	$69,502	-$19,288	$451,668	$25,406,845	$4,141,795	$11,181,780	$18,868,644	$33,887	$34,908	$102,117	$60,271,857
45	May 2019	$4,305	$17,285	$9,069,789	$50,438,445	$1,042,127	$11,601,666	$25,921,177	$455,012	$454,218	$1,266,567	$100,270,591
46	Jun 2019	$73,830	$69,136	$1,174,977	$8,631,298	$4,225,049	$11,420,878	$9,880,801	-$1,930,857	-$2,201,193	-$7,605	$31,336,315
47	Jul 2019	-$4,008	$39,449	$360,759	$9,643,059	$1,495,354	$12,838,853	$1,610,059	$24,802,479	-$25,917,577	$33,918	$24,902,344
48	Aug 2019	$0	$106	$27,987,132	$50,289,211	$2,228,988	$7,314,666	-$1,339,875	$7,156	$1,278,489	$3,490	$87,769,364
49	Sep 2019	$16,588	$54,893	$3,660,309	$12,054,887	$14,553,419	$8,804,258	$10,447,136	$85,412	$753,421	$6,279	$50,436,601
50	Oct 2019	-$435	$2,111	$1,201,410	$15,655,135	$1,600,095	$11,895,955	$28,724,814	$238,442	$375,760	$733,118	$60,426,405
51	Nov 2019	$1,368,390	-$6,507	-$208,147	$16,639,261	$1,704,388	$12,633,596	$2,970,428	$24,880	$54,535	$908,160	$36,088,983
52	Dec 2019	$9,130	$74,468	$90,389,719	$226,171,120	$4,441,965	$20,245,520	$1,478,395	$386,203	-$54,608	$221,768	$343,363,680
53	Total:	$1,607,485	$238,909	$160,208,505	$445,307,247	$24,537,640	$166,668,575	$110,718,602	$25,175,277	-$23,137,337	$6,107,174	$917,432,076

3) ISO Incentive Plant Balances (See Note 5)

	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
54	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
55	Jan 2019	$20,340,875	$95,074,251	$288,643,331	$1,183,436,967	$1,754,651,594	$159,698,964	$822,348,708	$190,594,194	$81,891,290	$146,890,692	$4,743,570,864
56	Feb 2019	$20,363,002	$95,074,474	$288,622,054	$1,183,436,564	$1,754,771,605	$159,802,628	$822,472,439	$190,603,251	$81,895,821	$147,002,021	$4,744,043,860
57	Mar 2019	$20,407,655	$95,075,665	$288,619,777	$1,183,465,099	$1,751,043,806	$159,816,774	$824,057,750	$190,621,945	$81,905,174	$149,623,337	$4,744,636,982
58	Apr 2019	$20,405,212	$95,078,108	$288,640,581	$1,183,589,550	$1,751,105,209	$159,691,537	$824,247,417	$190,632,835	$81,910,622	$149,575,429	$4,744,876,502
59	May 2019	$20,405,331	$95,078,108	$288,638,778	$1,183,594,606	$1,751,121,500	$159,699,634	$824,314,066	$190,651,959	$81,920,190	$149,586,934	$4,745,011,106
60	Jun 2019	$20,480,535	$95,078,115	$288,639,254	$1,183,600,167	$1,751,139,652	$159,695,642	$824,357,887	$190,659,637	$81,924,031	$149,584,627	$4,745,159,547
61	Jul 2019	$20,476,527	$95,082,123	$288,103,181	$1,184,539,128	$1,751,244,016	$159,735,046	$824,458,880	$215,040,545	$57,147,151	$149,612,741	$4,745,439,336
62	Aug 2019	$20,476,527	$95,082,123	$288,105,190	$1,184,558,926	$1,751,260,450	$159,737,073	$824,543,554	$215,047,554	$57,149,532	$149,615,105	$4,745,576,035
63	Sep 2019	$20,492,378	$95,082,123	$289,299,452	$1,184,577,801	$1,751,277,262	$159,730,045	$824,595,234	$215,053,775	$57,151,183	$149,613,298	$4,746,872,551
64	Oct 2019	$20,492,444	$95,082,967	$289,310,905	$1,184,575,890	$1,751,639,510	$160,087,167	$825,007,111	$215,059,305	$57,152,283	$149,996,740	$4,748,404,321
65	Nov 2019	$20,557,475	$95,083,016	$289,310,336	$1,184,575,961	$1,751,897,924	$159,924,551	$825,612,508	$215,070,790	$57,156,604	$150,071,266	$4,749,260,430
66	Dec 2019	$20,567,882	$95,086,484	$327,560,006	$1,285,246,062	$1,754,773,795	$161,600,029	$827,789,059	$215,074,931	$57,157,937	$150,244,445	$4,895,100,627

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
												Sum C2 - C11
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
67	Jan 2019	$3,770	$414	$35,421	$113,283	($9,114,600)	$5,012,746	$4,141,847	($3,734)	($1,868)	$899	$188,178
68	Feb 2019	$22,128	$223	($21,277)	($402)	$120,011	$103,664	$123,732	$9,057	$4,531	$111,329	$472,995
69	Mar 2019	$44,653	$1,191	($2,278)	$28,535	($3,727,799)	$14,146	$1,585,310	$18,695	$9,353	$2,621,317	$593,122
70	Apr 2019	($2,443)	$2,443	$20,805	$124,451	$61,404	($125,237)	$189,667	$10,890	$5,448	($47,908)	$239,520
71	May 2019	$119	$0	($1,804)	$5,056	$16,291	$8,098	$66,650	$19,124	$9,567	$11,504	$134,604
72	Jun 2019	$75,205	$6	$476	$5,561	$18,151	($3,992)	$43,821	$7,678	$3,841	($2,307)	$148,441
73	Jul 2019	($4,008)	$4,008	($536,073)	$938,961	$104,364	$39,404	$100,993	$24,380,908	($24,776,880)	$28,113	$279,789
74	Aug 2019	$0	$0	$2,009	$19,799	$16,435	$2,027	$84,674	$7,009	$2,381	$2,365	$136,699
75	Sep 2019	$15,851	$0	$1,194,262	$18,874	$16,812	($7,028)	$51,680	$6,221	$1,651	($1,808)	$1,296,516
76	Oct 2019	$66	$845	$11,453	($1,911)	$362,248	$357,121	$411,877	$5,529	$1,100	$383,442	$1,531,769
77	Nov 2019	$65,031	$49	($569)	$71	$258,414	($162,616)	$605,397	$11,485	$4,321	$74,526	$856,109
78	Dec 2019	$10,406	$3,468	$38,249,670	$100,670,101	$2,875,871	$1,675,478	$2,176,551	$4,141	$1,333	$173,178	$145,840,198
79	Total:	$230,777	$12,648	$38,952,096	$101,922,378	($8,992,400)	$6,913,810	$9,582,198	$24,477,003	($24,735,221)	$3,354,652	$151,717,941

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
												Sum C2 - C11
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
80	Jan 2019	-$368	-$22,029	$4,740,164	$6,784,104	-$2,371,717	$11,581,245	$4,793,076	$8,923	-$58,643	$12,649	$25,467,404
81	Feb 2019	$0	$10,246	$8,142,193	$215,560	$301,936	$20,116,024	$333,872	-$3,852	$103,908	$83,063	$29,302,951
82	Mar 2019	$0	$17,211	$13,226,667	$23,236,906	$3,896,629	$21,903,577	$1,179,185	$1,043,572	$2,027,430	$10,106	$66,541,284
83	Apr 2019	$71,945	-$21,731	$430,863	$25,282,394	$4,080,391	$11,307,017	$18,678,977	$22,997	$29,459	$150,024	$60,032,338
84	May 2019	$4,186	$17,285	$9,071,593	$50,433,389	$1,025,836	$11,593,569	$25,854,527	$435,888	$444,651	$1,255,063	$100,135,987
85	Jun 2019	-$1,375	$69,130	$1,174,501	$8,625,737	$4,206,898	$11,424,870	$9,836,980	-$1,938,535	-$2,205,034	-$5,298	$31,187,874
86	Jul 2019	$0	$35,441	$896,832	$8,704,098	$1,390,990	$12,799,450	$1,509,067	$421,572	-$1,140,697	$5,804	$24,622,555
87	Aug 2019	$0	$106	$27,985,124	$50,269,413	$2,212,553	$7,312,638	-$1,424,548	$147	$1,276,108	$1,125	$87,632,665
88	Sep 2019	$737	$54,893	$2,466,047	$12,036,012	$14,536,607	$8,811,286	$10,395,456	$79,191	$751,770	$8,086	$49,140,085
89	Oct 2019	-$501	$1,266	$1,189,957	$15,657,046	$1,237,847	$11,538,834	$28,312,937	$232,912	$374,661	$349,676	$58,894,636
90	Nov 2019	$1,303,359	-$6,556	-$207,578	$16,639,191	$1,445,975	$12,796,211	$2,365,030	$13,395	$50,213	$833,634	$35,232,874
91	Dec 2019	-$1,276	$71,000	$52,140,048	$125,501,019	$1,566,094	$18,570,043	-$698,156	$382,062	-$55,942	$48,589	$197,523,482
92	Total:	$1,376,708	$226,261	$121,256,410	$343,384,869	$33,530,040	$159,754,764	$101,136,403	$698,273	$1,597,884	$2,752,523	$765,714,134

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 2019	0.0%	-9.7%	3.9%	2.0%	-7.1%	7.2%	4.7%	1.3%	-3.7%	0.5%
94	Feb 2019	0.0%	4.5%	6.7%	0.1%	0.9%	12.6%	0.3%	-0.6%	6.5%	3.0%
95	Mar 2019	0.0%	7.6%	10.9%	6.8%	11.6%	13.7%	1.2%	149.5%	126.9%	0.4%
96	Apr 2019	5.2%	-9.6%	0.4%	7.4%	12.2%	7.1%	18.5%	3.3%	1.8%	5.5%
97	May 2019	0.3%	7.6%	7.5%	14.7%	3.1%	7.3%	25.6%	62.4%	27.8%	45.6%
98	Jun 2019	-0.1%	30.6%	1.0%	2.5%	12.5%	7.2%	9.7%	-277.6%	-138.0%	-0.2%
99	Jul 2019	0.0%	15.7%	0.7%	2.5%	4.1%	8.0%	1.5%	60.4%	-71.4%	0.2%
100	Aug 2019	0.0%	0.0%	23.1%	14.6%	6.6%	4.6%	-1.4%	0.0%	79.9%	0.0%
101	Sep 2019	0.1%	24.3%	2.0%	3.5%	43.4%	5.5%	10.3%	11.3%	47.0%	0.3%
102	Oct 2019	0.0%	0.6%	1.0%	4.6%	3.7%	7.2%	28.0%	33.4%	23.4%	12.7%
103	Nov 2019	94.7%	-2.9%	-0.2%	4.8%	4.3%	8.0%	2.3%	1.9%	3.1%	30.3%
104	Dec 2019	-0.1%	31.4%	43.0%	36.5%	4.7%	11.6%	-0.7%	54.7%	-3.5%	1.8%

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

A) Change in ISO Plant Balance December to December (See Note 9)

		350.1	350.2	352	353	354	355	356	357	358	359	Total
105		$1,370,259	$470,619	$97,555,261	$255,170,603	$20,414,983	$21,458,728	$96,503,829	$24,477,500	-$24,737,653	$5,367,995	$498,052,124

B) Change in Incentive ISO Plant (See Note 10)

		350.1	350.2	352	353	354	355	356	357	358	359	Total
106		$230,777	$12,648	$38,952,096	$101,922,378	-$8,992,400	$6,913,810	$9,582,198	$24,477,003	-$24,735,221	$3,354,652	$151,717,941

C) Change in Non-Incentive ISO Plant (See Note 11)

		350.1	350.2	352	353	354	355	356	357	358	359	Total
107		$1,139,482	$457,971	$58,603,166	$153,248,225	$29,407,383	$14,544,918	$86,921,630	$496	-$2,432	$2,013,344	$346,334,182

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

	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
108	Jan 2019	-$305	-$44,589	$2,290,919	$3,027,658	-$2,080,104	$1,054,418	$4,119,406	$6	$89	$9,252	$8,376,751
109	Feb 2019	$0	$20,739	$3,935,118	$96,202	$264,812	$1,831,469	$286,946	-$3	-$158	$60,757	$6,495,882
110	Mar 2019	$0	$34,836	$6,392,442	$10,370,330	$3,417,523	$1,994,217	$1,013,450	$742	-$3,086	$7,392	$23,227,846
111	Apr 2019	$59,548	-$43,985	$208,236	$11,283,205	$3,578,691	$1,029,451	$16,053,637	$16	-$45	$109,736	$32,278,490
112	May 2019	$3,465	$34,985	$4,384,296	$22,507,769	$899,705	$1,055,540	$22,220,660	$310	-$677	$918,021	$52,024,075
113	Jun 2019	-$1,138	$139,925	$567,636	$3,849,555	$3,689,642	$1,040,181	$8,454,388	-$1,378	$3,357	-$3,876	$17,738,292
114	Jul 2019	$0	$71,735	$433,438	$3,884,526	$1,219,962	$1,165,330	$1,296,967	$300	$1,736	$4,246	$8,078,239
115	Aug 2019	$0	$215	$13,525,197	$22,434,589	$1,940,511	$665,781	-$1,224,327	$0	-$1,943	$823	$37,340,845
116	Sep 2019	$610	$111,107	$1,191,839	$5,371,517	$12,749,271	$802,226	$8,934,369	$56	-$1,144	$5,915	$29,165,766
117	Oct 2019	-$414	$2,563	$575,106	$6,987,537	$1,085,649	$1,050,556	$24,333,539	$166	-$570	$255,772	$34,289,903
118	Nov 2019	$1,078,772	-$13,270	-$100,322	$7,425,856	$1,268,186	$1,165,035	$2,032,624	$10	-$76	$609,765	$13,466,579
119	Dec 2019	-$1,056	$143,710	$25,199,261	$56,009,481	$1,373,536	$1,690,715	-$600,029	$272	$85	$35,541	$83,851,515
120	Total:	$1,139,482	$457,971	$58,603,166	$153,248,225	$29,407,383	$14,544,918	$86,921,630	$496	-$2,432	$2,013,344	$346,334,182

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). Workpaper: WP Schedule 6&8
4) Includes recorded Transmission Plant-In-Service additions, retirements, transfers and adjustments. Monthly differences from previous matrix.
5) Includes balances for SCE Incentive Projects.
6) Monthly differences from previous matrix.
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 corresponsing months listed in Lines 108-119.

Transmission Plant Study Input cells are shaded yellow

Workpaper: WP Schedule 7

A) Plant Classified as Transmission in FERC Form 1 for Prior Year: Prior Year: 2019

Line		Col 1		Col 2	Col 3	
1	Account	Total Plant	Data Source	Transmission Plant - ISO	ISO % of Total	Notes
2	**Substation**					
3	352	$1,143,959,578	FF1 207.49g	$741,230,571	64.80%	
4	353	$6,517,444,414	FF1 207.50g	$3,714,934,156	57.00%	
5	**Total Substation**	$7,661,403,992	L 3 + L 4	$4,456,164,727	58.16%	
6						
7	**Land**					
8	350	$345,076,489	FF1 207.48g	$254,455,516	73.74%	
9						
10	**Total Substation and Land**	$8,006,480,481	L 5 + L 8	$4,710,620,242	58.84%	
11						
12	**Lines**					
13	354	$2,380,316,641	FF1 207.51g	$2,305,124,778	96.84%	
14	355	$1,666,864,455	FF1 207.52g	$408,001,019	24.48%	
15	356	$1,763,812,033	FF1 207.53g	$1,408,013,216	79.83%	
16	357	$296,662,316	FF1 207.54g	$215,368,702	72.60%	
17	358	$376,202,208	FF1 207.55g	$59,251,566	15.75%	
18	359	$201,604,232	FF1 207.56g	$179,151,598	88.86%	
19	**Total Lines**	$6,685,461,885	Sum L13 to L18	$4,574,910,878	68.43%	
20						
21	**Total Transmission**	**$14,691,942,366**	L 10 + L 19	**$9,285,531,121**	**63.20%**	Note 1

B) Plant Classified as Distribution in FERC Form 1:

Line		Total		Distribution	ISO %	
22	Account	Plant	Data Source	Plant - ISO	of Total	
23	**Land:**					
24	360	$129,043,959	FF1 207.60g	$0	0.00%	
25	**Structures:**					
26	361	$799,384,569	FF1 207.61g	$0	0.00%	
27	362	$2,967,456,409	FF1 207.62g	$0	0.00%	
28	**Total Structures**	$3,766,840,978	L 26 + L 27	$0	0.00%	
29						
30	**Total Distribution**	**$3,895,884,937**	L 24 + L 28	**$0**	**0.00%**	Note 2

Notes:

1) 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).
2) Only accounts 360-362 included as there is no ISO plant in any other Distribution accounts.

Instructions:

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

Accumulated Depreciation Reserve

Input cells are shaded yellow

Workpaper: WP Schedule 6&8

1) Transmission Depreciation Reserve - ISO

Prior Year: 2019

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

	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 to C11
		FERC Account:										
Line	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
1	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
2	Jan 2019	$0	$23,508,189	$106,936,820	$564,297,620	$547,954,516	$49,701,494	$440,338,210	$7,070,038	$11,416,026	$20,530,072	$1,771,752,984
3	Feb 2019	$0	$23,739,597	$107,997,353	$571,397,999	$552,511,315	$49,424,147	$443,677,526	$7,333,139	$11,736,463	$20,760,995	$1,788,578,533
4	Mar 2019	$0	$23,972,976	$108,864,576	$575,568,813	$556,282,959	$49,021,373	$446,979,650	$7,424,697	$12,974,686	$20,987,758	$1,802,077,489
5	Apr 2019	$0	$24,195,547	$110,253,072	$579,500,716	$560,013,795	$49,403,352	$449,496,843	$7,683,440	$13,259,636	$21,226,345	$1,815,032,746
6	May 2019	$0	$24,428,939	$111,299,296	$580,255,313	$564,419,875	$49,767,041	$451,730,761	$7,874,572	$13,742,704	$21,531,406	$1,825,049,907
7	Jun 2019	$0	$24,676,836	$112,668,170	$586,376,810	$568,132,315	$50,146,378	$454,745,820	$8,454,631	$12,961,554	$21,761,949	$1,839,924,464
8	Jul 2019	$0	$24,915,533	$114,049,275	$592,496,270	$572,467,961	$50,427,884	$458,159,160	$8,648,143	$12,688,255	$21,993,152	$1,855,845,632
9	Aug 2019	$0	$25,144,482	$114,355,614	$593,335,938	$576,626,673	$51,116,232	$461,708,745	$8,944,202	$13,488,189	$22,224,115	$1,866,944,190
10	Sep 2019	$0	$25,388,707	$115,703,222	$599,087,515	$578,094,855	$51,696,505	$464,720,800	$9,227,326	$14,037,946	$22,455,501	$1,880,412,377
11	Oct 2019	$0	$25,618,134	$117,106,561	$604,389,365	$582,496,613	$52,078,796	$466,945,263	$9,485,280	$14,407,775	$22,707,415	$1,895,235,202
12	Nov 2019	$0	$25,845,384	$118,566,594	$609,580,603	$586,855,810	$52,373,004	$470,406,278	$9,779,196	$14,622,801	$22,989,239	$1,911,018,909
13	Dec 2019	$0	$26,094,241	$117,949,869	$600,933,060	$591,191,848	$52,246,030	$474,012,550	$10,012,745	$14,787,191	$23,224,784	$1,910,452,318
14	13-Mo. Avg:	$0	$24,678,022	$112,422,826	$585,789,205	$567,679,917	$50,520,963	$455,395,630	$8,365,110	$13,176,644	$21,745,856	$1,839,774,172

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

	Col 1	Col 2	Col 3	Col 4	Col 5	
		FERC Account:			=Sum C2 to C4	
	Mo/YR	360	361	362	Total	Notes
15	Dec 2018	$0	$0	$0	$0	Beginning of Year ("BOY") amount
16	Dec 2019	$0	$0	$0	$0	End of Year ("EOY") amount
17	BOY/EOY Average:	$0	$0	$0	$0	Average of Line 15 and Line 16

3) General and Intangible Depreciation Reserve

	Col 1	Col 2	Col 3 =C4+C5	Col 4	Col 5	
	Mo/YR		Total Gen. and Int. Depreciation Reserve	General Depreciation Reserve	Intangible Depreciation Reserve	Source
18	Dec 2018	BOY:	$1,612,060,674	$1,060,652,423	$551,408,251	FF1 219.28c and 200.21c for previous year
19	Dec 2019	EOY:	$1,609,893,450	$1,089,877,633	$520,015,817	FF1 219.28c and 200.21c
20		BOY/EOY Average:	$1,610,977,062			Average of Line 18 and Line 19

a) Average BOY/EOY General and Intangible Depreciation Reserve

		Amount	Source
21	Total G+I Dep. Reserve on Average BOY/EOY basis:	$1,610,977,062	Line 20
22	Transmission W&S Allocation Factor:	6.5681%	27-Allocators, Line 9
23	G + I Plant Dep. Reserve (BOY/EOY Average):	$105,809,933	Line 21 * Line 22

b) EOY General and Intangible Depreciation Reserve

		Amount	Source
24	Total G+I Dep. Reserve on Average EOY basis:	$1,609,893,450	Line 19
25	Transmission W&S Allocation Factor:	6.5681%	27-Allocators, Line 9
26	G + I Plant Dep. Reserve (EOY):	$105,738,761	Line 24 * Line 25

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

1) ISO Depreciation Expense (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
27	Jan 2019	$0	$228,612	$1,378,538	$7,121,347	$4,645,577	$1,182,175	$3,333,420	$262,475	$270,865	$225,919	$18,648,928
28	Feb 2019	$0	$228,551	$1,383,520	$7,127,812	$4,622,814	$1,200,731	$3,354,417	$262,470	$270,859	$225,932	$18,677,106
29	Mar 2019	$0	$228,580	$1,391,902	$7,128,009	$4,623,596	$1,206,649	$3,355,461	$262,483	$270,874	$226,156	$18,693,710
30	Apr 2019	$0	$228,630	$1,405,588	$7,149,413	$4,622,966	$1,212,791	$3,362,066	$262,509	$270,894	$229,573	$18,744,430
31	May 2019	$0	$228,573	$1,406,078	$7,172,894	$4,630,367	$1,215,556	$3,403,351	$262,524	$270,911	$229,653	$18,819,909
32	Jun 2019	$0	$228,621	$1,415,464	$7,219,233	$4,632,230	$1,218,809	$3,459,998	$262,551	$270,940	$230,862	$18,938,708
33	Jul 2019	$0	$228,815	$1,416,681	$7,227,168	$4,639,769	$1,221,978	$3,481,598	$262,560	$270,963	$230,854	$18,980,385
34	Aug 2019	$0	$228,919	$1,416,461	$7,237,096	$4,642,462	$1,225,663	$3,485,151	$296,084	$191,063	$230,896	$18,953,795
35	Sep 2019	$0	$228,920	$1,445,432	$7,283,315	$4,646,441	$1,227,705	$3,482,254	$296,094	$191,065	$230,900	$19,032,125
36	Oct 2019	$0	$229,073	$1,450,542	$7,294,410	$4,672,398	$1,230,137	$3,505,094	$296,102	$191,066	$230,905	$19,099,729
37	Nov 2019	$0	$229,078	$1,451,798	$7,308,789	$4,675,343	$1,234,442	$3,567,988	$296,110	$191,068	$231,736	$19,186,353
38	Dec 2019	$0	$229,060	$1,451,582	$7,324,074	$4,678,447	$1,237,508	$3,574,693	$296,126	$191,082	$232,626	$19,215,198
39	Total:	$0	$2,745,432	$17,013,588	$86,593,560	$55,732,408	$14,614,146	$41,365,491	$3,318,089	$2,851,650	$2,756,010	$226,990,376

2) Total Transmission Allocation Factors (See Note 4)

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359
40	Jan 2019	0.0%	-9.7%	3.9%	2.0%	-7.1%	7.2%	4.7%	1.3%	-3.7%	0.5%
41	Feb 2019	0.0%	4.5%	6.7%	0.1%	0.9%	12.6%	0.3%	-0.6%	6.5%	3.0%
42	Mar 2019	0.0%	7.6%	10.9%	6.8%	11.6%	13.7%	1.2%	149.5%	126.9%	0.4%
43	Apr 2019	5.2%	-9.6%	0.4%	7.4%	12.2%	7.1%	18.5%	3.3%	1.8%	5.5%
44	May 2019	0.3%	7.6%	7.5%	14.7%	3.1%	7.3%	25.6%	62.4%	27.8%	45.6%
45	Jun 2019	-0.1%	30.6%	1.0%	2.5%	12.5%	7.2%	9.7%	-277.6%	-138.0%	-0.2%
46	Jul 2019	0.0%	15.7%	0.7%	2.5%	4.1%	8.0%	1.5%	60.4%	-71.4%	0.2%
47	Aug 2019	0.0%	0.0%	23.1%	14.6%	6.6%	4.6%	-1.4%	0.0%	79.9%	0.0%
48	Sep 2019	0.1%	24.3%	2.0%	3.5%	43.4%	5.5%	10.3%	11.3%	47.0%	0.3%
49	Oct 2019	0.0%	0.6%	1.0%	4.6%	3.7%	7.2%	28.0%	33.4%	23.4%	12.7%
50	Nov 2019	94.7%	-2.9%	-0.2%	4.8%	4.3%	8.0%	2.3%	1.9%	3.1%	30.3%
51	Dec 2019	-0.1%	31.4%	43.0%	36.5%	4.7%	11.6%	-0.7%	54.7%	-3.5%	1.8%

3) Calculation of Non-Incentive ISO Reserve

A) Change in Depreciation Reserve - ISO (See Note 5)

	350.1	350.2	352	353	354	355	356	357	358	359	Total
52	$0	$2,808,522	$12,203,553	$42,893,422	$48,401,458	$2,875,749	$36,790,963	$3,203,721	$3,614,050	$2,921,390	$155,712,828

B) Total Depreciation Expense (See Note 6)

	350.1	350.2	352	353	354	355	356	357	358	359	Total
53	$0	$2,745,432	$17,013,588	$86,593,560	$55,732,408	$14,614,146	$41,365,491	$3,318,089	$2,851,650	$2,756,010	$226,990,376

C) Other Activity (See Note 7)

	350.1	350.2	352	353	354	355	356	357	358	359	Total
54	$0	$63,090	-$4,810,035	-$43,700,138	-$7,330,951	-$11,738,397	-$4,574,528	-$114,369	$762,400	$165,380	-$71,277,548

4) Other Transmission Activity (See Note 8)

	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
55	Jan 2019	$0	-$6,143	-$188,034	-$863,364	$518,548	-$850,962	-$216,797	-$1,462	-$27,980	$760	-$1,635,434
56	Feb 2019	$0	$2,857	-$322,987	-$27,433	-$66,015	-$1,478,077	-$15,101	$631	$49,578	$4,991	-$1,851,557
57	Mar 2019	$0	$4,799	-$524,679	-$2,957,195	-$851,952	-$1,609,422	-$53,336	-$170,924	$967,350	$607	-$5,194,753
58	Apr 2019	$0	-$6,059	-$17,092	-$3,217,510	-$892,130	-$830,812	-$844,874	-$3,767	$14,056	$9,014	-$5,789,173
59	May 2019	$0	$4,820	-$359,855	-$6,418,297	-$224,287	-$851,868	-$1,169,433	-$71,393	$212,157	$75,408	-$8,802,748
60	Jun 2019	$0	$19,276	-$46,590	-$1,097,736	-$919,789	-$839,472	-$444,939	$317,508	-$1,052,090	-$318	-$4,064,151
61	Jul 2019	$0	$9,882	-$35,576	-$1,107,708	-$304,124	-$940,473	-$68,257	-$69,048	-$544,262	$349	-$3,059,217
62	Aug 2019	$0	$30	-$1,110,122	-$6,397,429	-$483,749	-$537,315	$64,434	-$24	$608,871	$68	-$7,855,237
63	Sep 2019	$0	$15,306	-$97,824	-$1,531,737	-$3,178,259	-$647,432	-$470,200	-$12,970	$358,693	$486	-$5,563,938
64	Oct 2019	$0	$353	-$47,204	-$1,992,560	-$270,641	-$847,846	-$1,280,630	-$38,148	$178,762	$21,010	-$4,276,904
65	Nov 2019	$0	-$1,828	$8,234	-$2,117,551	-$316,145	-$940,235	-$106,973	-$2,194	$23,958	$50,087	-$3,402,647
66	Dec 2019	$0	$19,797	-$2,068,307	-$15,971,618	-$342,408	-$1,364,482	$31,578	-$62,577	-$26,691	$2,919	-$19,781,788
67	Total:	$0	$63,090	-$4,810,035	-$43,700,138	-$7,330,951	-$11,738,397	-$4,574,528	-$114,369	$762,400	$165,380	-$71,277,548

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 montly "Total Transmission Allocation Factors" ratios found in Lines 40-51 by the "Other Activity" on Line 54.

Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes

Cells shaded yellow are input cells

1) Summary of Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes

a) End of Year Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes

	Col 1	Col 2			
		Total			
Line	Account	Balance	Source		
1	Account 190	$117,743,346	Line 353, Col. 2		
2	Account 282	-$1,188,810,901	Line 452, Col. 2	Account 254	Account 182.3
3	Account 283	-$14,941,538	Line 803, Col. 2	278.x Reference	232.x Reference
4	Net (Excess)/Deficient Deferred Tax Liability/Asset	-$535,350,485	FF1 278.x and 232.x, see reference to right and Note 4	FF1 278.7, Line 6	FF1 232.11, Line 31
5	Total Accumulated Deferred Income Taxes	-$1,621,359,578	Sum of Lines 1 to 4		
6	and Net (Excess)/Deficient Deferred Taxes				

b) Beginning of Year Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes

		BOY	
		Balance	Source
10	Total Accumulated Deferred Income Taxes	-$1,642,932,131	Previous Year Informational Filing, Line 5, Col. 2

c) Average of Beginning and End of Year Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes

		Average	
		ADIT	Source
15	BOY/EOY Average Balance:	-$1,632,145,855	Average of Line 5 and Line 10

2) Account 190 Detail

		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
	ACCT 190	DESCRIPTION	END BAL per G/L	Gas, Generation or Other Related	ISO Only	Plant Related	Labor Related	(Instructions 1&2) Description
	Electric:							
100	190.000	Amort of Debt Issuance Cost	$539,260	$484		$538,776		C: Relates primarily to Regulated Electric Property
101	190.000	Executive Incentive Comp	$1,227,871	$4,301			$1,223,570	C: Relates to employees in all functions
102	190.000	Bond Discount Amort	$719,009	$645		$718,364		C: Relates primarily to Regulated Electric Property
103	190.000	Executive Incentive Plan	$1,264,409	$4,429			$1,259,980	C: Relates to employees in all functions
104	190.000	Ins - Inj/Damages Prov	$28,272,451	$99,025			$28,173,426	C: Relates to employees in all functions
105	190.000	Accrued Vacation	$13,313,776	$46,632			$13,267,144	C: Relates to employees in all functions
106	190.000	Amortization of Debt Expense	$815,253	$731		$814,522		C: Relates primarily to Regulated Electric Property
107	190.000	Wildfire Reserve - Pre-2019	$814,158,069	$2,851,611			$811,306,458	C: Relates to employees in all functions
107a	190.000	Wildfire Reserve - Post 2018	$4,613,096	$4,613,096				Follows tax treatment
108	190.000	Decommissioning	$466,893,649	$466,893,649				Relates to Nuclear Decommissioning Costs
109	190.000	Balancing Accounts	$0	$0				Relates Entirely to CPUC Balancing Account Recovery
110	190.000	Pension & PBOP	$37,050,591	$129,771			$36,920,820	C: Relates to employees in all functions
111	190.000	Property/Non-ISO	$751,622,202	$751,622,202				Non-Rate Base Property
112	190.000	Regulatory Assets/Liab	$57,713	$57,713				Relates to Nonrecovery Balancing Account
113	190.000	Temp - Other/Non-ISO	-$70,476,892	-$70,476,892				Not Component of Rate Base
114	190.000	Net Operating Losses DTA	$314,760,292			$314,760,292		NOL/DTA

Continuation of Account 190 Detail

		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
	ACCT 190	DESCRIPTION	END BAL per G/L	Gas, Generation or Other Related	ISO Only	Plant Related	Labor Related	(Instructions 1&2) Description
	Electric:							
115	…							
								Source
250		Total Electric 190	$2,364,830,749	$1,155,847,396	$0	$316,831,954	$892,151,399	Sum of Above Lines beginning on Line 100

Account 190 Gas and Other Income: (Instructions 1&2)

		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
300	190.000	Temp - Other/Non-ISO - Gas	-$3,401	-$3,401				Gas Related Costs
301	190.000	Temp - Other/Non-ISO - Other	-$1,683,831	-$1,683,831				Other Non-ISO Related Costs
302	190.000	EMS	$898,801	$898,801				Other Non-ISO Related Costs
303	190.000	Property/Non-ISO - Gas	$145,794	$145,794				Non-Rate Base Property
304	190.000	Property/Non-ISO - Other	$10,334,183	$10,334,183				Non-Rate Base Property
305	…							

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Source
350	Total Account 190 Gas and Other Income	$9,691,546	$9,691,546	$0	$0	$0	Sum of Above Lines beginning on Line 300
351	Total Account 190	$2,374,522,295	$1,165,538,942	$0	$316,831,954	$892,151,399	Line 250 + Line 350
352	Allocation Factors (Plant and Wages)				18.668%	6.568%	27-Allocators Lines 22 and 9 respectively.
353	Total Account 190 ADIT (Sum of amounts in Columns 4 to 6)	$117,743,346		$0	$59,146,311	$58,597,035	Line 351 * Line 352 for Cols 5 and 6. Col. 4 100% ISO
354	FERC Form 1 Account 190	$2,374,522,295	Must match amount on Line 351, Col. 2				FF1 234.18c

3) Account 282 Detail

	ACCT 282	Col 1 DESCRIPTION	Col 2 END BAL per G/L	Col 3 Gas, Generation or Other Related	Col 4 ISO Only	Col 5 Plant Related	Col 6 Labor Related	Col 7 (Instructions 1&2) Description
400	282.000	Fully Normalized Deferred Tax	-$1,188,810,901		-$1,188,810,901			Property-Related FERC Costs
401	282.000	Property/Non-ISO	-$6,775,581,015	-$6,775,581,015				Property-Related CPUC Costs
402	282.000	Capitalized software	-$81,849,150	-$81,849,150				Property-Related CPUC Costs - Cap Software
403	282.000	Audit Rollforward	$0	$0				Property-Related CPUC Costs - Audit
404	282.000	Property/Non-ISO - Gas	-$919,589	-$919,589				Gas Related Costs
405	282.000	Property/Non-ISO - Other	-$4,811,958	-$4,811,958				Other Non-ISO Related Costs
406	…							

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Source
450	Total Account 282	-$8,051,972,614	-$6,863,161,713	-$1,188,810,901	$0	$0	Sum of Above Lines beginning on Line 400
451	Allocation Factors (Plant and Wages)				18.668%	6.568%	27-Allocators Lines 22 and 9 respectively.
452	Total Account 282 ADIT (Sum of amounts in Columns 4 to 6)	-$1,188,810,901		-$1,188,810,901	$0	$0	Line 450 * Line 451 for Cols 5 and 6. Col. 4 100% ISO
453	FERC Form 1 Account 282	-$8,051,972,613	Must match amount on Line 450, Col. 2				FF1 275.5k

4) Account 283 Detail

	ACCT 283	DESCRIPTION	Col 1 END BAL per G/L	Col 2 Gas, Generation or Other Related	Col 3 ISO Only	Col 4 Plant Related	Col 5 Labor Related	Col 6 (Instructions 1&2) Description
	Electric:							
500	283.000	Ad Valorem Lien Date Adj-Electric	-$50,569,342	-$50,569,342				Relates Entirely to CPUC Regulated Property
501	283.000	Ad Valorem Lien Date Adj-Electric	-$8,664,108		-$8,664,108			Relates Entirely to FERC Regulated Electric Property
502	283.000	Refunding & Retirement of Debt	-$33,097,558	-$29,690		-$33,067,868		C: Relates primarily to Regulated Electric Property
503	283.000	Health Care - IBNR	-$1,593,695	-5,582			-$1,588,113	C: Relates to employees in all functions
504	283.000	Balancing Accounts	-$567,470,431	-$567,470,431				Relates Entirely to CPUC Balancing Account Recovery
505	283.000	Decommissioning	-$449,253,650	-$449,253,650				Relates to Nuclear Decommissioning Costs
506	283.000	Regulatory Assets/Liab	$57,886,963	$57,886,963				Relates to Nonrecovery Balancing Account
507	283.000	Temp - Other/Non-ISO	$252,487,820	$252,487,820				Non-Rate Base FAS 109 Tax Flow-Thru
508	…							

Continuation of Account 283 Detail

	ACCT 283	DESCRIPTION	Col 1 END BAL per G/L	Col 2 Gas, Generation or Other Related	Col 3 ISO Only	Col 4 Plant Related	Col 5 Labor Related	Col 6 (Instructions 1&2) Description
	Electric (continued):							
507	…							
650		Total Electric 283	-$800,274,001	-$756,953,912	-$8,664,108	-$33,067,868	-$1,588,113	Sum of Above Lines beginning on Line 500

	Account 283 Gas and Other:							(Instructions 1&2)
			Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
700	283.000	Temp - Other/Non-ISO - Gas	-$17,512	-$17,512				Gas Related Costs
701	283.000	Temp - Other/Non-ISO - Other	-$654,218	-$654,218				Other Non-ISO Related Costs
702	…							

		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Source
800		Total Account 283 Gas and Other	-$671,730	-$671,730	$0	$0	$0	Sum of Above Lines beginning on Line 700
801		Total Account 283	-$800,945,731	-$757,625,642	-$8,664,108	-$33,067,868	-$1,588,113	Line 650 + Line 800
802		Allocation Factors (Plant and Wages)				18.668%	6.568%	27-Allocators Lines 22 and 9 respectively.
803		Total Account 283 ADIT (Sum of amounts in Columns 4 to 6)	-$14,941,538		-$8,664,108	-$6,173,122	-$104,308	Line 801 * Line 802 for Cols 5 and 6. Col. 4 100% ISO
804		FERC Form 1 Account 283	-$800,945,731	Must match amount on Line 801, Col. 2				FF1 277.19k

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	$801,074,308
B:Gas Wages and Salaries	FF1 355.62b	$650,570
C:Water Wages and Salaries	FF1 355.64b	$2,165,077
D:Total Electric, Gas, and Water Wages and Salaries	A+B+C	$803,889,955
E:Labor Percentage "Gas, Generation, or Other"	(B+C) / D	0.3503%

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	$51,320,942,976
G:Total Gas Plant In Service	FF1 201.8d	$6,385,691
H:Total Water Plant in Service	FF1 201.8e	$39,692,393
I:Total Electric, Gas, and Water Plant In Service	F+G+H	$51,367,021,060
J:Plant Percentage "Gas, Generation, or Other"	(G+H) / I	0.0897%

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 Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes balance minus the beginning Accumulated Deferred Income Taxes and Net (Excess)/Deficient Deferred Taxes balance, divided by 12 months.
2) For January through December = previous month balance plus amount in Column 2.
3) The net excess/deficiency is derived from the net difference arising in the asset Account 182.3 offset by the balance in liability Account 254.

Workpaper: WP Schedule 9-EDIT and Amortization

(Excess)/Deficient Deferred Income Taxes - FERC Order 864 Worksheet

Prior Year: **2019**

Line	(Col 1)	(Col 2)	(Col 3)	(Col 4)	(Col 5)	(Col 6)	(Col 7)	(Col 8)	(Col 9)	(Col 10)	(Col 11)
		SCE Records	SCE Records	SCE Records	SCE Records	SCE Records	SCE Records	= (C2) thru (C7)	9-ADIT-3 (C8)	= (C8) + (C9)	= (C8) + (C9)
		Beginning Deficient Def. Taxes - FERC Acct 182.3	Beginning (Excess) Def. Taxes - FERC Acct 254	Other Deficient ADIT Adjustments to FERC Acct 182.3	Other Excess ADIT Adjustments to FERC Acct 254	EDIT Amortization to FERC Acct 410.1	EDIT Amortization to FERC Acct 411.1	Net (Excess) Deficient Def. Taxes at Current Tax Rate	Adjustment for New Tax Rate to FERC Acct 254/182.3	Ending Deficient Def. Taxes - FERC Acct 182.3	Ending (Excess) Def. Taxes - FERC Acct 254
1	**Protected - Property Related - (Note 1)**										
2	Method/Life		(601,396,314)			-	7,113,417	($594,282,897)	$0	$0	($594,282,897)
3	CPI		8,908,707	8,908,707	(8,908,707)	(1,790,777)	-	$7,117,930	$0	$7,117,930	$0
4	FERC S Georgia - Norm		4,939,465	4,939,465	(4,939,465)	(898,085)	-	$4,041,380	$0	$4,041,380	$0
5	Federal NOL		20,695,342	20,695,342	(20,695,342)	(3,791)	-	$20,691,551	$0	$20,691,551	$0
6	…							$0			
50	Total Protected - Property Related:	$0	($566,852,800)	$34,543,514	($34,543,514)	($2,692,653)	$7,113,417	($562,432,036)	$0	$31,850,861	($594,282,897)
100	***Unprotected - Property Related - (Note 2)***										
101	Mixed Service Costs		(25,769,864)			-	11,347,612	($14,422,252)	$0	$0	($14,422,252)
102	AFUDC Debt		(4,718,446)			-	2,274,833	($2,443,613)	$0	$0	($2,443,613)
103	Tax Repair Deduction		(40,122,201)			-	19,750,893	($20,371,308)	$0	$0	($20,371,308)
104	Capitalized Software Deduction		(1,962,738)		(387,005)	-	1,142,714	($1,207,029)	$0	$0	($1,207,029)
105	Other Historical Basis Differences		(7,462,110)		163,733	(258,020)	3,113,612	($4,442,785)	$0	$0	($4,442,785)
106	Federal Benefit of State Taxes		26,418,187	26,641,462	(26,418,190)	(12,957,809)	-	$13,683,650	$0	$13,683,650	$0
107	…							$0			
150	Total Unprotected - Property Related:	$0	($53,617,172)	$26,641,462	($26,641,462)	($13,215,829)	$37,629,664	($29,203,337)	$0	$13,683,650	($42,886,987)
200	***Cost of Removal - Book Accrual - (Note 3)***		55,651,645	55,651,645	(55,651,645)	-	633,243	$56,284,888	$0	$56,284,888	$0
250	**Total Property Related (= L50+L150+L200)**	$0	($564,818,327)	$116,836,621	($116,836,621)	($15,908,482)	$45,376,324	($535,350,485)	$0	$101,819,399	($637,169,884)
300	***Unprotected - Non-Property Related - (Note 4)***										
301	Amort of Debt Issuance Cost							$0	$0	$0	$0
302	Executive Incentive Comp							$0	$0	$0	$0
303	Bond Discount Amort							$0	$0	$0	$0
304	Executive Incentive Plan ST							$0	$0	$0	$0
305	Executive Incentive Plan LT							$0	$0	$0	$0
306	Ins - Inj/Damages Prov							$0	$0	$0	$0
307	Accrued Vacation							$0	$0	$0	$0
308	PBOP 401H Amortization							$0	$0	$0	$0
309	EMS							$0	$0	$0	$0
310	Amortization of Debt Expense							$0	$0	$0	$0
311	Pension & PBOP							$0	$0	$0	$0
312	Ad Valorem Lien Date Adj							$0	$0	$0	$0
313	Refunding & Retirement of Debt							$0	$0	$0	$0
314	Health Care - IBNR							$0	$0	$0	$0
315	…							$0			
350	**Total Non-Property Related**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
400	**Grand Total (= L 250 + L 350)**	$0	($564,818,327)	$116,836,621	($116,836,621)	($15,908,482)	$45,376,324	($535,350,485)	$0	$101,819,399	($637,169,884)
500	**Total Net Amounts**		($564,818,327)				$29,467,842				($535,350,485)

Notes:

1) Method/Life and Federal NOL are amortized into rates under average rate assumption method over remaining book life, and SGA is amortized over remaining book life under straight-line method.
2) Amortized into rates as follows (number of years of amortization, and beginning year of amortization).
   Amortization Period: 4
   Beginning Year: 2018
3) Amortization subject to pending SCE private letter ruling request and/or IRS guidance developed from IRS Notice 2019-33.
   Amortization Period:
   Beginning Year:
4) Amortized into rates as follows (number of years of amortization, and beginning year of amortization).
   Amortization Period: 1
   Beginning Year: 2018
5) Add additional lines if necessary to support amounts (at Lines 6, 107, and 315, or more if necessary).

(Excess)/Deficient Deferred Income Taxes - FERC Order 864 Worksheet -- Tax Rate Change

Prior Year:	**2019**
New Tax Rate?	**No**
New Rate:	

Line	(Col 1)	(Col 2)	(Col 3)	(Col 4)	(Col 5)	(Col 6)	(Col 7)	(Col 8)
			New Tax Rate Adjustment Calculation - Note 5					
			SCE Records	SCE Records	(C3)xNew Rate	= (C4) - (C5)	9-ADIT-2 (C8)	= (C6) - (C7)
		FERC Acct	Accumulated Book-to-Tax Adjustments	Accumulated DIT & EDIT Balances	Accumulated DIT Balance at New Tax Rate	(Excess) Deficient Def. Taxes at New Tax Rate	NET (Excess) Deficient Def. Taxes at Prior Tax Rate	Adjustment for New Tax Rate
1	**Protected - Property Related**							
2	Method/Life	282			$0	$0	$0	$0
3	CPI	282			$0	$0	$0	$0
4	FERC S Georgia - Norm	282			$0	$0	$0	$0
5	Federal NOL	190			$0	$0	$0	$0
6	…							
50			$0	$0	$0	$0	$0	$0
100	**Unprotected - Property Related**							
101	Mixed Service Costs	282			$0	$0	$0	$0
102	AFUDC Debt	282			$0	$0	$0	$0
103	Tax Repair Deduction	282			$0	$0	$0	$0
104	Capitalized Software Deduction	282			$0	$0	$0	$0
105	Other Historical Basis Differences	282			$0	$0	$0	$0
106	Federal Benefit of State Taxes	190			$0	$0	$0	$0
107	…							
150			$0	$0	$0	$0	$0	$0
200	**Cost of Removal - Book Accrual**	282			$0	$0	$0	$0
250	**Total Property Related (= L50 + L150 + L200)**		$0	$0	$0	$0	$0	$0
300	**Unprotected - Non-Property Related**							
301	Amort of Debt Issuance Cost	190			$0	$0	$0	$0
302	Executive Incentive Comp	190			$0	$0	$0	$0
303	Bond Discount Amort	190			$0	$0	$0	$0
304	Executive Incentive Plan ST	190			$0	$0	$0	$0
305	Executive Incentive Plan LT	190			$0	$0	$0	$0
306	Ins - Inj/Damages Prov	190			$0	$0	$0	$0
307	Accrued Vacation	190			$0	$0	$0	$0
308	PBOP 401H Amortization	190			$0	$0	$0	$0
309	EMS	190			$0	$0	$0	$0
310	Amortization of Debt Expense	190			$0	$0	$0	$0
311	Pension & PBOP	190			$0	$0	$0	$0
312	Ad Valorem Lien Date Adj	283			$0	$0	$0	$0
313	Refunding & Retirement of Debt	283			$0	$0	$0	$0
314	Health Care - IBNR	283			$0	$0	$0	$0
315	…							
350	**Total Non-Property Related**		$0	$0	$0	$0	$0	$0
400	**Grand Total (= L 250 + L 350)**		$0	$0	$0	$0	$0	$0

Instructions:

1) Populate this Schedule with inputs only in the event of a change in the Tax Rate from the previous year.

2) If no change in Tax Rate, enter "No" at top of Schedule (New Tax Rate Yes/No)

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 **Workpaper:** WP Schedule 10

Line	Month	Year	Col 1 = Sum of all columns Monthly Total CWIP	Col 2 Tehachapi	Col 3 Devers to Colorado River	Col 4 South of Kramer	Col 5 West of Devers	Col 6 Red Bluff
1	December	2018	$442,829,076	$156,282	$0	$5,220,452	$228,226,372	$0
2	January	2019	$472,722,393	$156,282	$0	$5,266,928	$253,402,515	$0
3	February	2019	$487,765,460	$156,282	$0	$5,319,581	$266,659,187	$0
4	March	2019	$511,877,474	$156,282	$0	$5,345,712	$288,804,118	$0
5	April	2019	$552,987,155	$156,915	$0	$5,406,474	$317,592,591	$0
6	May	2019	$586,610,507	$156,915	$0	$5,496,941	$340,944,317	$0
7	June	2019	$621,571,696	$156,915	$0	$5,505,967	$363,648,418	$0
8	July	2019	$644,382,967	$156,915	$0	$5,545,241	$382,091,969	$0
9	August	2019	$667,018,299	$156,915	$0	$5,551,731	$399,965,933	$0
10	September	2019	$705,005,373	$156,915	$0	$5,551,682	$420,281,395	$0
11	October	2019	$734,731,438	$156,915	$0	$5,553,947	$441,271,639	$0
12	November	2019	$753,142,415	$156,915	$0	$5,555,763	$451,949,884	$0
13	December	2019	$647,763,205	$157,683	$0	$5,584,199	$468,121,963	$0
14	13 Month Averages:		$602,185,189	$156,780	$0	$5,454,201	$355,612,331	$0

Line	Month	Year	Col 7 Whirlwind Substation Expansion	Col 8 Colorado River Substation Expansion	Col 9 Mesa	Col 10 Alberhill	Col 11 ELM Series Caps	Col 12 Riverside	Col 13
15	December	2018	$0	$0	$123,664,745	$20,339,747	$65,221,478	$0	
16	January	2019	$0	$0	$128,548,553	$20,454,887	$64,893,228	$0	
17	February	2019	$0	$0	$129,476,409	$20,538,502	$65,615,499	$0	
18	March	2019	$0	$0	$129,726,893	$20,578,995	$67,265,473	$0	
19	April	2019	$0	$0	$140,634,692	$20,899,436	$68,297,047	$0	
20	May	2019	$0	$0	$149,211,681	$20,911,142	$69,889,512	$0	
21	June	2019	$0	$87,058	$158,709,590	$21,024,944	$72,438,803	$0	
22	July	2019	$0	$98,390	$161,353,520	$21,109,032	$74,027,900	$0	
23	August	2019	$0	$111,924	$163,796,363	$21,280,583	$76,154,850	$0	
24	September	2019	$0	$122,336	$173,428,178	$21,423,317	$84,041,551	$0	
25	October	2019	$0	$148,303	$180,869,406	$21,672,819	$85,058,408	$0	
26	November	2019	$0	$284,388	$184,901,830	$21,809,226	$88,484,408	$0	
27	December	2019	$0	$301,247	$49,854,943	$22,001,340	$101,741,830	$0	
28	13 Month Averages:		$0	$88,742	$144,167,446	$21,080,305	$75,625,384	$0	---

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

Line	Month	Year	Col 1 See Note 2 Forecast Expenditures	Col 2 See Note 2 Corporate Overheads	Col 3 See Note 2 Total CWIP Exp	Col 4 See Note 2 Unloaded Total Plant Adds	Col 5 See Note 2 Prior Period CWIP Closed	Col 6 See Note 2 Over Heads Closed to PIS	Col 7 See Note 2 Forecast Period CWIP	Col 8 See Note 2 Forecast Period Incremental CWIP
29	December	2019	---	---	---	---	---	---	$647,763,205	---
30	January	2020	$19,435,448	$1,457,659	$20,893,106	$1,653,970	$0	$124,048	$666,878,294	$19,115,089
31	February	2020	$25,334,196	$1,900,065	$27,234,260	$1,502,677	$0	$112,701	$692,497,176	$44,733,971
32	March	2020	$17,847,112	$1,338,533	$19,185,645	$984,871	$0	$73,865	$710,624,085	$62,860,880
33	April	2020	$27,053,200	$2,028,990	$29,082,190	$217,331	$0	$16,300	$739,472,644	$91,709,439
34	May	2020	$31,518,597	$2,363,895	$33,882,492	$486,868	$344,737	$10,660	$772,857,608	$125,094,403
35	June	2020	$25,116,078	$1,883,706	$26,999,784	$733,107	$410,800	$24,173	$799,100,112	$151,336,907
36	July	2020	$29,486,198	$2,211,465	$31,697,663	$21,632	$0	$1,622	$830,774,521	$183,011,315
37	August	2020	$26,810,025	$2,010,752	$28,820,777	$21,632	$0	$1,622	$859,572,043	$211,808,837
38	September	2020	$24,474,045	$1,835,553	$26,309,598	$21,632	$0	$1,622	$885,858,386	$238,095,181
39	October	2020	$24,267,435	$1,820,058	$26,087,493	$20,965,331	$17,136,386	$287,171	$890,693,377	$242,930,172
40	November	2020	$16,233,496	$1,217,512	$17,451,008	$289,632	$0	$21,722	$907,833,030	$260,069,825
41	December	2020	$36,474,512	$2,735,588	$39,210,100	$554,534,219	$394,845,414	$11,976,660	$380,532,251	-$267,230,955
42	January	2021	$16,090,391	$1,206,779	$17,297,170	$5,529,600	$0	$414,720	$391,885,101	-$255,878,104
43	February	2021	$15,640,963	$1,173,072	$16,814,035	$5,747,600	$0	$431,070	$402,520,466	-$245,242,739
44	March	2021	$20,920,296	$1,569,022	$22,489,318	$7,860,041	$0	$589,503	$416,560,240	-$231,202,965
45	April	2021	$16,861,148	$1,264,586	$18,125,734	$33,916,245	$13,129,540	$1,559,003	$399,210,726	-$248,552,479
46	May	2021	$18,835,980	$1,412,699	$20,248,679	$104,418,013	$88,739,104	$1,175,918	$313,865,474	-$333,897,731
47	June	2021	$16,320,647	$1,224,049	$17,544,696	$8,864,649	$0	$664,849	$321,880,672	-$325,882,533
48	July	2021	$13,348,594	$1,001,145	$14,349,739	$5,774,740	$0	$433,106	$330,022,565	-$317,740,640
49	August	2021	$13,335,594	$1,000,170	$14,335,764	$185,770,012	$35,442,345	$11,274,575	$147,313,742	-$500,449,464
50	September	2021	$12,479,048	$935,929	$13,414,977	$19,236,334	$301,247	$1,420,132	$140,072,253	-$507,690,952
51	October	2021	$11,692,594	$876,945	$12,569,539	$15,946,472	$4,965,083	$823,604	$135,871,716	-$511,891,489
52	November	2021	$11,475,594	$860,670	$12,336,264	$10,090,159	$0	$756,762	$137,361,058	-$510,402,147
53	December	2021	$12,468,015	$935,101	$13,403,116	$78,796,464	$41,240,899	$2,816,667	$69,151,043	-$578,612,162
54	**13-Month Averages:**									**-$371,898,028**

3) Forecast Period CWIP Expenditures by Project (see Note 1) **Workpaper:** WP Schedules 10 & 16

3a) Project: Tehachapi

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-PInt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-PInt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
55	December	2019	---	---	---	---	---	---	$157,683	---
56	January	2020	$62,106	$4,658	$66,764	$62,106	$0	$4,658	$157,683	$0
57	February	2020	$380,880	$28,566	$409,446	$380,880	$0	$28,566	$157,683	$0
58	March	2020	$277,026	$20,777	$297,803	$277,026	$0	$20,777	$157,683	$0
59	April	2020	$47,696	$3,577	$51,273	$47,696	$0	$3,577	$157,683	$0
60	May	2020	$0	$0	$0	$0	$0	$0	$157,683	$0
61	June	2020	$0	$0	$0	$157,683	$157,683	$0	$0	-$157,683
62	July	2020	$0	$0	$0	$0	$0	$0	$0	-$157,683
63	August	2020	$0	$0	$0	$0	$0	$0	$0	-$157,683
64	September	2020	$0	$0	$0	$0	$0	$0	$0	-$157,683
65	October	2020	$0	$0	$0	$0	$0	$0	$0	-$157,683
66	November	2020	$0	$0	$0	$0	$0	$0	$0	-$157,683
67	December	2020	$287,364	$21,552	$308,916	$287,364	$0	$21,552	$0	-$157,683
68	January	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
69	February	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
70	March	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
71	April	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
72	May	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
73	June	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
74	July	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
75	August	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
76	September	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
77	October	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
78	November	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
79	December	2021	$0	$0	$0	$0	$0	$0	$0	-$157,683
80	**13-Month Averages:**									**-$157,683**

3b) Project: Devers to Colorado River

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
81	December	2019	---	---	---	---	---	---	$0	---
82	January	2020	$0	$0	$0	$0	$0	$0	$0	$0
83	February	2020	$0	$0	$0	$0	$0	$0	$0	$0
84	March	2020	$0	$0	$0	$0	$0	$0	$0	$0
85	April	2020	$0	$0	$0	$0	$0	$0	$0	$0
86	May	2020	$0	$0	$0	$0	$0	$0	$0	$0
87	June	2020	$0	$0	$0	$0	$0	$0	$0	$0
88	July	2020	$0	$0	$0	$0	$0	$0	$0	$0
89	August	2020	$0	$0	$0	$0	$0	$0	$0	$0
90	September	2020	$0	$0	$0	$0	$0	$0	$0	$0
91	October	2020	$0	$0	$0	$0	$0	$0	$0	$0
92	November	2020	$0	$0	$0	$0	$0	$0	$0	$0
93	December	2020	$0	$0	$0	$0	$0	$0	$0	$0
94	January	2021	$0	$0	$0	$0	$0	$0	$0	$0
95	February	2021	$0	$0	$0	$0	$0	$0	$0	$0
96	March	2021	$0	$0	$0	$0	$0	$0	$0	$0
97	April	2021	$0	$0	$0	$0	$0	$0	$0	$0
98	May	2021	$0	$0	$0	$0	$0	$0	$0	$0
99	June	2021	$0	$0	$0	$0	$0	$0	$0	$0
100	July	2021	$0	$0	$0	$0	$0	$0	$0	$0
101	August	2021	$0	$0	$0	$0	$0	$0	$0	$0
102	September	2021	$0	$0	$0	$0	$0	$0	$0	$0
103	October	2021	$0	$0	$0	$0	$0	$0	$0	$0
104	November	2021	$0	$0	$0	$0	$0	$0	$0	$0
105	December	2021	$0	$0	$0	$0	$0	$0	$0	$0
106	**13-Month Averages:**									**$0**

3c) Project: South of Kramer

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
107	December	2019	---	---	---	---	---	---	$5,584,199	---
108	January	2020	$1,551	$116	$1,667	$0	$0	$0	$5,585,866	$1,667
109	February	2020	$1,453	$109	$1,562	$0	$0	$0	$5,587,428	$3,229
110	March	2020	$2,114	$159	$2,273	$0	$0	$0	$5,589,701	$5,502
111	April	2020	$1,500	$113	$1,613	$0	$0	$0	$5,591,313	$7,114
112	May	2020	$1,500	$113	$1,613	$0	$0	$0	$5,592,926	$8,727
113	June	2020	$1,500	$113	$1,613	$0	$0	$0	$5,594,538	$10,339
114	July	2020	$1,500	$113	$1,613	$0	$0	$0	$5,596,151	$11,952
115	August	2020	$1,500	$113	$1,613	$0	$0	$0	$5,597,763	$13,564
116	September	2020	$1,500	$113	$1,613	$0	$0	$0	$5,599,376	$15,177
117	October	2020	$1,500	$113	$1,613	$0	$0	$0	$5,600,988	$16,789
118	November	2020	$1,500	$113	$1,613	$0	$0	$0	$5,602,601	$18,402
119	December	2020	$2,882	$216	$3,098	$0	$0	$0	$5,605,699	$21,500
120	January	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
121	February	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
122	March	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
123	April	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
124	May	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
125	June	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
126	July	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
127	August	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
128	September	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
129	October	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
130	November	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
131	December	2021	$0	$0	$0	$0	$0	$0	$5,605,699	$21,500
132	**13-Month Averages:**									**$21,500**

3d) Project: West of Devers

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
133	December	2019	---	---	---	---	---	---	$468,121,963	---
134	January	2020	$13,509,525	$1,013,214	$14,522,739	$95,089	$0	$7,132	$482,542,481	$14,420,519
135	February	2020	$17,958,037	$1,346,853	$19,304,890	$299,847	$0	$22,489	$501,525,036	$33,403,073
136	March	2020	$11,893,101	$891,983	$12,785,084	$45,416	$0	$3,406	$514,261,297	$46,139,334
137	April	2020	$14,402,052	$1,080,154	$15,482,206	$46,000	$0	$3,450	$529,694,053	$61,572,090
138	May	2020	$13,406,000	$1,005,450	$14,411,450	$46,000	$0	$3,450	$544,056,053	$75,934,090
139	June	2020	$12,894,044	$967,053	$13,861,097	$34,044	$0	$2,553	$557,880,553	$89,758,590
140	July	2020	$13,176,000	$988,200	$14,164,200	$16,000	$0	$1,200	$572,027,553	$103,905,590
141	August	2020	$13,176,000	$988,200	$14,164,200	$16,000	$0	$1,200	$586,174,553	$118,052,590
142	September	2020	$12,666,000	$949,950	$13,615,950	$16,000	$0	$1,200	$599,773,303	$131,651,340
143	October	2020	$12,746,769	$956,008	$13,702,777	$16,000	$0	$1,200	$613,458,880	$145,336,917
144	November	2020	$9,112,310	$683,423	$9,795,733	$16,000	$0	$1,200	$623,237,413	$155,115,450
145	December	2020	$9,083,762	$681,282	$9,765,044	$528,372,697	$378,879,723	$11,211,973	$93,417,787	-$374,704,175
146	January	2021	$4,708,000	$353,100	$5,061,100	$4,508,000	$0	$338,100	$93,632,787	-$374,489,175
147	February	2021	$5,510,000	$413,250	$5,923,250	$5,210,000	$0	$390,750	$93,955,287	-$374,166,675
148	March	2021	$6,510,000	$488,250	$6,998,250	$6,210,000	$0	$465,750	$94,277,787	-$373,844,175
149	April	2021	$6,510,000	$488,250	$6,998,250	$6,210,000	$0	$465,750	$94,600,287	-$373,521,675
150	May	2021	$6,510,000	$488,250	$6,998,250	$72,332,577	$66,122,577	$465,750	$28,800,210	-$439,321,752
151	June	2021	$6,400,000	$480,000	$6,880,000	$6,200,000	$0	$465,000	$29,015,210	-$439,106,752
152	July	2021	$4,100,000	$307,500	$4,407,500	$4,000,000	$0	$300,000	$29,122,710	-$438,999,252
153	August	2021	$4,100,000	$307,500	$4,407,500	$11,727,888	$6,252,888	$410,625	$21,391,697	-$446,730,265
154	September	2021	$3,000,000	$225,000	$3,225,000	$3,000,000	$0	$225,000	$21,391,697	-$446,730,265
155	October	2021	$3,000,000	$225,000	$3,225,000	$8,674,313	$4,965,083	$278,192	$15,664,193	-$452,457,770
156	November	2021	$3,000,000	$225,000	$3,225,000	$3,000,000	$0	$225,000	$15,664,193	-$452,457,770
157	December	2021	$2,316,079	$173,706	$2,489,785	$12,447,278	$6,631,199	$436,206	$5,270,494	-$462,851,469
158	**13-Month Averages:**									**-$419,183,167**

3e) Project: Red Bluff

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
159	December	2019	---	---	---	---	---	---	$0	---
160	January	2020	$0	$0	$0	$0	$0	$0	$0	$0
161	February	2020	$0	$0	$0	$0	$0	$0	$0	$0
162	March	2020	$0	$0	$0	$0	$0	$0	$0	$0
163	April	2020	$0	$0	$0	$0	$0	$0	$0	$0
164	May	2020	$0	$0	$0	$0	$0	$0	$0	$0
165	June	2020	$0	$0	$0	$0	$0	$0	$0	$0
166	July	2020	$0	$0	$0	$0	$0	$0	$0	$0
167	August	2020	$0	$0	$0	$0	$0	$0	$0	$0
168	September	2020	$0	$0	$0	$0	$0	$0	$0	$0
169	October	2020	$0	$0	$0	$0	$0	$0	$0	$0
170	November	2020	$0	$0	$0	$0	$0	$0	$0	$0
171	December	2020	$0	$0	$0	$0	$0	$0	$0	$0
172	January	2021	$0	$0	$0	$0	$0	$0	$0	$0
173	February	2021	$0	$0	$0	$0	$0	$0	$0	$0
174	March	2021	$0	$0	$0	$0	$0	$0	$0	$0
175	April	2021	$0	$0	$0	$0	$0	$0	$0	$0
176	May	2021	$0	$0	$0	$0	$0	$0	$0	$0
177	June	2021	$0	$0	$0	$0	$0	$0	$0	$0
178	July	2021	$0	$0	$0	$0	$0	$0	$0	$0
179	August	2021	$0	$0	$0	$0	$0	$0	$0	$0
180	September	2021	$0	$0	$0	$0	$0	$0	$0	$0
181	October	2021	$0	$0	$0	$0	$0	$0	$0	$0
182	November	2021	$0	$0	$0	$0	$0	$0	$0	$0
183	December	2021	$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 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unload Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
185	December	2019	---	---	---	---	---	---	$0	---
186	January	2020	-$1,942	-$146	-$2,088	-$1,942	$0	-$146	$0	$0
187	February	2020	$0	$0	$0	$0	$0	$0	$0	$0
188	March	2020	$0	$0	$0	$0	$0	$0	$0	$0
189	April	2020	$0	$0	$0	$0	$0	$0	$0	$0
190	May	2020	$0	$0	$0	$0	$0	$0	$0	$0
191	June	2020	$0	$0	$0	$0	$0	$0	$0	$0
192	July	2020	$0	$0	$0	$0	$0	$0	$0	$0
193	August	2020	$0	$0	$0	$0	$0	$0	$0	$0
194	September	2020	$0	$0	$0	$0	$0	$0	$0	$0
195	October	2020	$0	$0	$0	$0	$0	$0	$0	$0
196	November	2020	$0	$0	$0	$0	$0	$0	$0	$0
197	December	2020	$0	$0	$0	$0	$0	$0	$0	$0
198	January	2021	$0	$0	$0	$0	$0	$0	$0	$0
199	February	2021	$0	$0	$0	$0	$0	$0	$0	$0
200	March	2021	$0	$0	$0	$0	$0	$0	$0	$0
201	April	2021	$0	$0	$0	$0	$0	$0	$0	$0
202	May	2021	$0	$0	$0	$0	$0	$0	$0	$0
203	June	2021	$0	$0	$0	$0	$0	$0	$0	$0
204	July	2021	$0	$0	$0	$0	$0	$0	$0	$0
205	August	2021	$0	$0	$0	$0	$0	$0	$0	$0
206	September	2021	$0	$0	$0	$0	$0	$0	$0	$0
207	October	2021	$0	$0	$0	$0	$0	$0	$0	$0
208	November	2021	$0	$0	$0	$0	$0	$0	$0	$0
209	December	2021	$0	$0	$0	$0	$0	$0	$0	$0
210	**13-Month Averages:**									**$0**

3g) Project: Colorado River Substation Expansion

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
211	December	2019	---	---	---	---	---	---	$301,247	---
212	January	2020	$11,020	$827	$11,847	$0	$0	$0	$313,093	$11,847
213	February	2020	$8,146	$611	$8,757	$0	$0	$0	$321,850	$20,603
214	March	2020	$18,479	$1,386	$19,865	$0	$0	$0	$341,715	$40,468
215	April	2020	$40,000	$3,000	$43,000	$0	$0	$0	$384,715	$83,468
216	May	2020	$326,231	$24,467	$350,698	$0	$0	$0	$735,413	$434,167
217	June	2020	$350,000	$26,250	$376,250	$0	$0	$0	$1,111,663	$810,417
218	July	2020	$336,231	$25,217	$361,448	$0	$0	$0	$1,473,112	$1,171,865
219	August	2020	$435,864	$32,690	$468,554	$0	$0	$0	$1,941,666	$1,640,419
220	September	2020	$455,000	$34,125	$489,125	$0	$0	$0	$2,430,791	$2,129,544
221	October	2020	$1,123,537	$84,265	$1,207,802	$0	$0	$0	$3,638,593	$3,337,346
222	November	2020	$1,266,818	$95,011	$1,361,829	$0	$0	$0	$5,000,422	$4,699,175
223	December	2020	$669,293	$50,197	$719,490	$0	$0	$0	$5,719,912	$5,418,665
224	January	2021	$370,000	$27,750	$397,750	$0	$0	$0	$6,117,662	$5,816,415
225	February	2021	$370,000	$27,750	$397,750	$0	$0	$0	$6,515,412	$6,214,165
226	March	2021	$370,000	$27,750	$397,750	$0	$0	$0	$6,913,162	$6,611,915
227	April	2021	$370,000	$27,750	$397,750	$0	$0	$0	$7,310,912	$7,009,665
228	May	2021	$370,000	$27,750	$397,750	$0	$0	$0	$7,708,662	$7,407,415
229	June	2021	$370,000	$27,750	$397,750	$0	$0	$0	$8,106,412	$7,805,165
230	July	2021	$370,000	$27,750	$397,750	$0	$0	$0	$8,504,162	$8,202,915
231	August	2021	$370,000	$27,750	$397,750	$0	$0	$0	$8,901,912	$8,600,665
232	September	2021	$370,000	$27,750	$397,750	$8,671,866	$301,247	$627,796	$0	-$301,247
233	October	2021	$370,000	$27,750	$397,750	$370,000	$0	$27,750	$0	-$301,247
234	November	2021	$370,000	$27,750	$397,750	$370,000	$0	$27,750	$0	-$301,247
235	December	2021	$369,733	$27,730	$397,463	$369,733	$0	$27,730	$0	-$301,247
236	**13-Month Averages:**									**$4,760,154**

3h) Project: Mesa

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
237	December	2019	---	---	---	---	---	---	$49,854,943	---
238	January	2020	$4,061,739	$304,630	$4,366,369	$1,498,717	$0	$112,404	$52,610,192	$2,755,249
239	February	2020	$5,880,074	$441,006	$6,321,080	$821,950	$0	$61,646	$58,047,675	$8,192,732
240	March	2020	$4,900,388	$367,529	$5,267,917	$662,429	$0	$49,682	$62,603,481	$12,748,538
241	April	2020	$10,164,324	$762,324	$10,926,649	$123,635	$0	$9,273	$73,397,221	$23,542,279
242	May	2020	$14,976,454	$1,123,234	$16,099,688	$440,868	$344,737	$7,210	$89,048,832	$39,193,889
243	June	2020	$9,728,853	$729,664	$10,458,517	$541,380	$253,117	$21,620	$98,944,349	$49,089,406
244	July	2020	$11,353,872	$851,540	$12,205,413	$5,632	$0	$422	$111,143,707	$61,288,764
245	August	2020	$7,061,094	$529,582	$7,590,676	$5,632	$0	$422	$118,728,328	$68,873,386
246	September	2020	$9,451,395	$708,855	$10,160,250	$5,632	$0	$422	$128,882,524	$79,027,581
247	October	2020	$5,025,379	$376,903	$5,402,283	$5,632	$0	$422	$134,278,752	$84,423,809
248	November	2020	$3,190,394	$239,280	$3,429,674	$5,632	$0	$422	$137,702,371	$87,847,428
249	December	2020	$22,425,697	$1,681,927	$24,107,625	$25,164,759	$15,559,979	$720,359	$135,924,878	$86,069,935
250	January	2021	$8,468,791	$635,159	$9,103,950	$386,600	$0	$28,995	$144,613,233	$94,758,290
251	February	2021	$6,702,363	$502,677	$7,205,040	$386,600	$0	$28,995	$151,402,678	$101,547,735
252	March	2021	$6,702,363	$502,677	$7,205,040	$386,600	$0	$28,995	$158,192,123	$108,337,180
253	April	2021	$5,742,718	$430,704	$6,173,422	$276,600	$0	$20,745	$164,068,200	$114,213,257
254	May	2021	$5,687,218	$426,541	$6,113,759	$586,047	$218,066	$27,599	$169,568,314	$119,713,371
255	June	2021	$5,687,218	$426,541	$6,113,759	$281,799	$0	$21,135	$175,379,140	$125,524,197
256	July	2021	$5,570,618	$417,796	$5,988,414	$165,199	$0	$12,390	$181,189,965	$131,335,022
257	August	2021	$5,570,618	$417,796	$5,988,414	$172,165,583	$29,189,457	$10,723,209	$4,289,587	-$45,565,356
258	September	2021	$5,570,618	$417,796	$5,988,414	$5,570,618	$0	$417,796	$4,289,587	-$45,565,356
259	October	2021	$5,570,618	$417,796	$5,988,414	$5,570,618	$0	$417,796	$4,289,587	-$45,565,356
260	November	2021	$5,410,618	$405,796	$5,816,414	$5,410,618	$0	$405,796	$4,289,587	-$45,565,356
261	December	2021	$6,149,091	$461,182	$6,610,273	$6,149,091	$0	$461,182	$4,289,587	-$45,565,356
262	**13-Month Averages:**									**$50,282,478**

3i) Project: Alberhill

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
263	December	2019	---	---	---	---	---	---	$22,001,340	---
264	January	2020	$129,946	$9,746	$139,692	$0	$0	$0	$22,141,032	$139,692
265	February	2020	$43,691	$3,277	$46,967	$0	$0	$0	$22,187,999	$186,659
266	March	2020	$85,276	$6,396	$91,671	$0	$0	$0	$22,279,671	$278,330
267	April	2020	$131,000	$9,825	$140,825	$0	$0	$0	$22,420,496	$419,155
268	May	2020	$49,655	$3,724	$53,379	$0	$0	$0	$22,473,875	$472,534
269	June	2020	$49,655	$3,724	$53,379	$0	$0	$0	$22,527,254	$525,913
270	July	2020	$49,655	$3,724	$53,379	$0	$0	$0	$22,580,633	$579,292
271	August	2020	$33,439	$2,508	$35,946	$0	$0	$0	$22,616,579	$615,239
272	September	2020	$28,695	$2,152	$30,847	$0	$0	$0	$22,647,426	$646,085
273	October	2020	$28,695	$2,152	$30,847	$0	$0	$0	$22,678,273	$676,932
274	November	2020	$23,501	$1,763	$25,264	$0	$0	$0	$22,703,537	$702,196
275	December	2020	$26,121	$1,959	$28,081	$405,712	$405,712	$0	$22,325,905	$324,565
276	January	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,410,400	$409,060
277	February	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,494,895	$493,555
278	March	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,579,390	$578,050
279	April	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,663,885	$662,545
280	May	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,748,380	$747,040
281	June	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,832,875	$831,535
282	July	2021	$78,600	$5,895	$84,495	$0	$0	$0	$22,917,370	$916,030
283	August	2021	$78,600	$5,895	$84,495	$0	$0	$0	$23,001,865	$1,000,525
284	September	2021	$78,600	$5,895	$84,495	$0	$0	$0	$23,086,360	$1,085,020
285	October	2021	$78,600	$5,895	$84,495	$0	$0	$0	$23,170,855	$1,169,515
286	November	2021	$78,600	$5,895	$84,495	$0	$0	$0	$23,255,350	$1,254,010
287	December	2021	$78,600	$5,895	$84,495	$0	$0	$0	$23,339,845	$1,338,505
288	**13-Month Averages:**									**$831,535**

3j) Project: ELM Series Caps

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
289	December	2019	---	---	---	---	---	---	$101,741,830	---
290	January	2020	$1,661,503	$124,613	$1,786,116	$0	$0	$0	$103,527,946	$1,786,116
291	February	2020	$1,061,915	$79,644	$1,141,559	$0	$0	$0	$104,669,505	$2,927,674
292	March	2020	$670,728	$50,305	$721,033	$0	$0	$0	$105,390,537	$3,648,707
293	April	2020	$2,266,628	$169,997	$2,436,625	$0	$0	$0	$107,827,162	$6,085,332
294	May	2020	$2,758,757	$206,907	$2,965,664	$0	$0	$0	$110,792,826	$9,050,996
295	June	2020	$2,092,027	$156,902	$2,248,929	$0	$0	$0	$113,041,755	$11,299,925
296	July	2020	$4,568,940	$342,671	$4,911,611	$0	$0	$0	$117,953,366	$16,211,535
297	August	2020	$6,102,128	$457,660	$6,559,788	$0	$0	$0	$124,513,153	$22,771,323
298	September	2020	$1,871,455	$140,359	$2,011,814	$0	$0	$0	$126,524,967	$24,783,137
299	October	2020	$5,341,555	$400,617	$5,742,172	$20,943,699	$17,136,386	$285,548	$111,037,892	$9,296,061
300	November	2020	$2,638,972	$197,923	$2,836,895	$268,000	$0	$20,100	$113,586,687	$11,844,856
301	December	2020	$3,979,392	$298,454	$4,277,846	$303,687	$0	$22,777	$117,538,069	$15,796,239
302	January	2021	$2,465,000	$184,875	$2,649,875	$635,000	$0	$47,625	$119,505,319	$17,763,489
303	February	2021	$2,980,000	$223,500	$3,203,500	$151,000	$0	$11,325	$122,546,494	$20,804,664
304	March	2021	$7,259,333	$544,450	$7,803,783	$1,263,441	$0	$94,758	$128,992,078	$27,250,248
305	April	2021	$4,159,830	$311,987	$4,471,817	$27,429,645	$13,129,540	$1,072,508	$104,961,742	$3,219,912
306	May	2021	$6,190,162	$464,262	$6,654,424	$31,499,389	$22,398,461	$682,570	$79,434,208	-$22,307,622
307	June	2021	$3,784,829	$283,862	$4,068,691	$2,382,850	$0	$178,714	$80,941,335	-$20,800,495
308	July	2021	$3,229,376	$242,203	$3,471,579	$1,609,541	$0	$120,716	$82,682,658	-$19,059,172
309	August	2021	$3,216,376	$241,228	$3,457,604	$1,876,541	$0	$140,741	$84,122,981	-$17,618,850
310	September	2021	$3,459,830	$259,487	$3,719,317	$1,993,850	$0	$149,539	$85,698,909	-$16,042,921
311	October	2021	$2,673,376	$200,503	$2,873,879	$1,331,541	$0	$99,866	$87,141,382	-$14,600,449
312	November	2021	$2,616,376	$196,228	$2,812,604	$1,309,541	$0	$98,216	$88,546,229	-$13,195,601
313	December	2021	$3,554,512	$266,588	$3,821,100	$59,830,363	$34,609,701	$1,891,550	$30,645,418	-$71,096,413
314	**13-Month Averages:**									**-$8,452,844**

3k) Project: Riverside

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-Plnt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-Plnt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
315	December	2019	---	---	---	---	---	---	$0	---
316	January	2020	$0	$0	$0	$0	$0	$0	$0	$0
317	February	2020	$0	$0	$0	$0	$0	$0	$0	$0
318	March	2020	$0	$0	$0	$0	$0	$0	$0	$0
319	April	2020	$0	$0	$0	$0	$0	$0	$0	$0
320	May	2020	$0	$0	$0	$0	$0	$0	$0	$0
321	June	2020	$0	$0	$0	$0	$0	$0	$0	$0
322	July	2020	$0	$0	$0	$0	$0	$0	$0	$0
323	August	2020	$0	$0	$0	$0	$0	$0	$0	$0
324	September	2020	$0	$0	$0	$0	$0	$0	$0	$0
325	October	2020	$0	$0	$0	$0	$0	$0	$0	$0
326	November	2020	$0	$0	$0	$0	$0	$0	$0	$0
327	December	2020	$0	$0	$0	$0	$0	$0	$0	$0
328	January	2021	$0	$0	$0	$0	$0	$0	$0	$0
329	February	2021	$0	$0	$0	$0	$0	$0	$0	$0
330	March	2021	$0	$0	$0	$0	$0	$0	$0	$0
331	April	2021	$0	$0	$0	$0	$0	$0	$0	$0
332	May	2021	$0	$0	$0	$0	$0	$0	$0	$0
333	June	2021	$0	$0	$0	$0	$0	$0	$0	$0
334	July	2021	$0	$0	$0	$0	$0	$0	$0	$0
335	August	2021	$0	$0	$0	$0	$0	$0	$0	$0
336	September	2021	$0	$0	$0	$0	$0	$0	$0	$0
337	October	2021	$0	$0	$0	$0	$0	$0	$0	$0
338	November	2021	$0	$0	$0	$0	$0	$0	$0	$0
339	December	2021	$0	$0	$0	$0	$0	$0	$0	$0
340	**13-Month Averages:**									**$0**

3l) Project: add additional projects below this line (See Instruction 3)

Line	Month	Year	Col 1 Forecast Expenditures	Col 2 = C1 * 16-PInt Add Line 74 Corporate Overheads	Col 3 = C1 + C2 Total CWIP Exp	Col 4 Unloaded Total Plant Adds	Col 5 Prior Period CWIP Closed	Col 6 = (C4 - C5) * 16-PInt Add Line 74 Over Heads Closed to PIS	Col 7 = Prior Month C7 + C3 - C4 - C6 Forecast Period CWIP	Col 8 = C7 - Dec Prior Year C7 Forecast Period Incremental CWIP
341	December	2019	---	---	---	---	---	---	$0	---
342	January	2020		$0	$0			$0	$0	$0
343	February	2020		$0	$0			$0	$0	$0
344	March	2020		$0	$0			$0	$0	$0
345	April	2020		$0	$0			$0	$0	$0
346	May	2020		$0	$0			$0	$0	$0
347	June	2020		$0	$0			$0	$0	$0
348	July	2020		$0	$0			$0	$0	$0
349	August	2020		$0	$0			$0	$0	$0
350	September	2020		$0	$0			$0	$0	$0
351	October	2020		$0	$0			$0	$0	$0
352	November	2020		$0	$0			$0	$0	$0
353	December	2020		$0	$0			$0	$0	$0
354	January	2021		$0	$0			$0	$0	$0
355	February	2021		$0	$0			$0	$0	$0
356	March	2021		$0	$0			$0	$0	$0
357	April	2021		$0	$0			$0	$0	$0
358	May	2021		$0	$0			$0	$0	$0
359	June	2021		$0	$0			$0	$0	$0
360	July	2021		$0	$0			$0	$0	$0
361	August	2021		$0	$0			$0	$0	$0
362	September	2021		$0	$0			$0	$0	$0
363	October	2021		$0	$0			$0	$0	$0
364	November	2021		$0	$0			$0	$0	$0
365	December	2021		$0	$0			$0	$0	$0
366	**13-Month Averages:**									**$0**

Notes:

1) Forecast Period is the calendar year two years after the Prior Year (i.e., PY+2).
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, 315-339, …

Instructions:

1) Enter recorded amounts of CWIP during Prior Year on Lines 1-13, 15-27 (including December of year previous to Prior Year).
2) 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, 315-339 ...
3) 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.

Line		Beginning of Year Balance	End of Year Balance	Source
1	Total Electric PHFU	$30,786,587	$30,786,584	FF1 page 214.47d

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

	Col 1	Col 2	Col 3	Col 4	Col 5
	Description	Type of Plant	Beginning of Year Balance	End of Year Balance	Source
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

		Beginning of Year Balance	End of Year Balance	Source
4	General Plant Held for Future Use	$0	$0	FF1 page 214
4a	Enter FF1 Page 214 Line reference here when Line 4 is a non-zero amount:			N/A
5	Wages and Salaries AF:	6.568%	6.568%	27-Allocators, L 9
6	Portion for Transmission PHFU:	$0	$0	L 4 * L 5

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

		Beginning of Year Balance	End of Year Balance	Source
7		$20,844,432	$20,844,429	Note 1

	Transmission PHFU:	Beginning of Year Balance	End of Year Balance	Source
8		$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

			Source
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.

	Project	Commission Order
Orders Providing for Abandoned Plant Cost Recovery:		
	…	…

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

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

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

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

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

Notes:

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

Instructions:

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

Calculation of Components of Working Capital

Inputs are shaded yellow

1) Calculation of Materials and Supplies **Workpaper:** WP Schedule 13 Working Capital

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	2018	FF1 227.12b	$279,666,024	Beginning of year ("BOY") amount
2	January	2019	SCE Records	$287,094,261	
3	February	2019	SCE Records	$296,286,300	
4	March	2019	SCE Records	$311,184,634	
5	April	2019	SCE Records	$316,589,656	
6	May	2019	SCE Records	$322,621,402	
7	June	2019	SCE Records	$329,816,733	
8	July	2019	SCE Records	$339,429,303	
9	August	2019	SCE Records	$347,268,727	
10	September	2019	SCE Records	$347,908,192	
11	October	2019	SCE Records	$353,413,366	
12	November	2019	SCE Records	$357,723,186	
13	December	2019	FF1 227.12c	$361,868,594	End of Year ("EOY") amount
14	13-Month Average Value Account 154:			$326,990,029	(Sum Line 1 to Line 13) / 13
15	Transmission Wages and Salaries AF:			6.5681%	27-Allocators, Line 9
16	**Materials and Supplies** EOY Value:			$23,767,745	Line 13 * Line 15
17	13-Month Average Value:			$21,476,900	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.

	Month	Year	Data Source	Total Prepayments Balances	Notes
18	December	2018	Note 1, c	$144,353,946	See Note 1, c
19	January	2019	SCE Records	$131,590,730	
20	February	2019	SCE Records	$501,725,114	
21	March	2019	SCE Records	$464,295,674	
22	April	2019	SCE Records	$492,962,962	
23	May	2019	SCE Records	$432,862,954	
24	June	2019	SCE Records	$405,911,650	
25	July	2019	SCE Records	$249,318,155	
26	August	2019	SCE Records	$338,061,291	
27	September	2019	SCE Records	$291,690,761	
28	October	2019	SCE Records	$264,462,155	
29	November	2019	SCE Records	$282,717,020	
30	December	2019	Note 1, f	$213,194,393	See Note 1, f
	a) 13-Month Average Calculation				
31	13-Month Average Value:			$324,088,216	(Sum Line 18 to Line 30) / 13
32	Transmission Wages and Salaries AF:			6.5681%	27-Allocators, Line 9
33	Prepayments:			$21,286,307	Line 31 * Line 32
	b) EOY calculation				
34	EOY Value:			$213,194,393	Line 30
35	Transmission Wages and Salaries AF:			6.5681%	27-Allocators, Line 9
36	Prepayments:			$14,002,735	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:	$144,353,946	FF1 111.57d
b	Prior Period Adjustment:	$0	Note 1
c	BOY Prepayments Amount:	$144,353,946	a - b

	End of Year Amount	Prepayments Balances	Source
d	FERC Form 1 Acct. 165 Recorded Amount:	$213,194,393	FF1 111.57c
e	Prior Period Adjustment:	$0	Note 1
f	EOY Prepayments Amount:	$213,194,393	d - e

Plant Balances For Incentive Projects Receiving either ROE Incentives ("Transmission Incentive Plant") or CWIP ("CWIP Plant") **Workpaper:** WP Schedule 14 Incentive 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 Prior Year End-of-Year CWIP Plant Amount	Col 2 Prior Year 13-Month Average CWIP Plant Amount	Col 3 Forecast Period Incremental CWIP 13-Month Avg. Amount	Notes:
1	1) Tehachapi	$157,683	$156,780	-$157,683	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	$5,584,199	$5,454,201	$21,500	10-CWIP Lines 13, 14, and 132
4	4) West of Devers	$468,121,963	$355,612,331	-$419,183,167	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.	$301,247	$88,742	$4,760,154	10-CWIP Lines 27, 28, and 236
8	8) Mesa	$49,854,943	$144,167,446	$50,282,478	10-CWIP Lines 27, 28, and 262
9	9) Alberhill	$22,001,340	$21,080,305	$831,535	10-CWIP Lines 27, 28, and 288
10	10) ELM Series Caps	$101,741,830	$75,625,384	-$8,452,844	10-CWIP Lines 27, 28, and 314
11	11) Riverside	$0	$0	$0	10-CWIP Lines 27, 28, and 340
12	…	---	---	$0	10-CWIP Lines 27, 28, and 366
13	Totals:	$647,763,205	$602,185,189	-$371,898,028	

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

		Col 1 = C2 + C3 Prior Year Incentive Rate Base	Col 2 EOY CWIP Portion	Col 3 EOY TIP Net Plant In Service	Notes:
14	1) Rancho Vista	$140,675,231	$0	$140,675,231	Line 38, C4
15	2) Tehachapi	$2,592,594,066	$157,683	$2,592,436,383	Line 1, C1, and Line 38, C2
16	3) Devers-Colorado River	$649,167,356	$0	$649,167,356	Line 2, C1, and Line 38, C3
17	…	---	---	---	…
18					
19	Total PY Incentive Net Plant:	$3,382,436,654			End of Year

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

	Incentive Project	Col 1 = C2 + C3 Prior Year Incentive Rate Base	Col 2 13-Month Avg. CWIP Portion	Col 3 13-Month Avg. TIP Net Plant In Service Portion	Notes:
20	1) Rancho Vista	$143,115,067	$0	$143,115,067	Line 39, C4
21	2) Tehachapi	$2,626,937,259	$156,780	$2,626,780,479	Line 1, C2, and Line 39, C2
22	3) Devers-Colorado R	$659,274,151	$0	$659,274,151	Line 2, C2, and Line 39, C3
23	…	---	---	---	…
24					
25	Total PY Incentive Net Plant:	$3,429,326,476			13 Month Average

4) Prior Year TIP Net Plant In Service

	Prior Year Month	Year	Col 1 Total TIP Net Plant In Service	Col 2 L 54 to L 66, C3 Tehachapi	Col 3 L 80 to L 92, C3 Devers to Colorado River	Col 4 L 67 to L 79, C3 Rancho Vista	Col 5	Notes
26	December	2018	$3,477,624,362	$2,662,966,447	$669,164,921	$145,492,994	---	←December of
27	January	2019	$3,469,310,860	$2,656,691,925	$667,520,862	$145,098,073	---	year previous
28	February	2019	$3,461,300,769	$2,650,720,814	$665,876,803	$144,703,152	---	to Prior Year
29	March	2019	$3,453,390,966	$2,644,849,992	$664,232,743	$144,308,231	---	
30	April	2019	$3,445,138,507	$2,638,636,512	$662,588,684	$143,913,311	---	
31	May	2019	$3,436,798,829	$2,632,334,998	$660,945,442	$143,518,390	---	
32	June	2019	$3,428,476,293	$2,626,049,872	$659,302,952	$143,123,469	---	
33	July	2019	$3,420,250,831	$2,619,863,057	$657,659,225	$142,728,548	---	
34	August	2019	$3,411,943,243	$2,613,590,643	$656,018,972	$142,333,628	---	
35	September	2019	$3,404,812,067	$2,608,498,427	$654,374,932	$141,938,707	---	
36	October	2019	$3,397,914,205	$2,603,639,433	$652,730,987	$141,543,786	---	
37	November	2019	$3,389,966,155	$2,597,867,729	$650,980,082	$141,118,344	---	
38	December	2019	$3,382,278,971	$2,592,436,383	$649,167,356	$140,675,231	---	
39	13 Month Averages:		$3,429,169,697	$2,626,780,479	$659,274,151	$143,115,067		

5) Total Transmission Activity for Incentive Projects

	Prior Year Month	Year	Col 1 Total Transmission Activity for Incentive Projects	Col 2 Account 360-362 Activity	Col 3 = C1 - C2 Account 350-359 Activity for Incentive Projects	Source
40	December	2018	$0	$0	$0	C1: Sum of below projects
41	January	2019	$188,178	$0	$188,178	for each month
42	February	2019	$472,995	$0	$472,995	
43	March	2019	$593,122	$0	$593,122	
44	April	2019	$239,520	$0	$239,520	
45	May	2019	$134,604	$0	$134,604	
46	June	2019	$148,441	$0	$148,441	
47	July	2019	$279,789	$0	$279,789	
48	August	2019	$136,699	$0	$136,699	
49	September	2019	$1,296,516	$0	$1,296,516	
50	October	2019	$1,531,769	$0	$1,531,769	
51	November	2019	$856,109	$0	$856,109	
52	December	2019	$145,840,198	$0	$145,840,198	
53	Total		$151,717,941	$0	$151,717,941	

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

a) Tehachapi

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
54	December	2018	$3,054,617,061	$391,650,614	$2,662,966,447	$0
55	January	2019	$3,054,760,967	$398,069,043	$2,656,691,925	$143,906
56	February	2019	$3,055,215,817	$404,495,003	$2,650,720,814	$454,850
57	March	2019	$3,055,771,917	$410,921,925	$2,644,849,992	$556,100
58	April	2019	$3,055,985,293	$417,348,780	$2,638,636,512	$213,376
59	May	2019	$3,056,111,077	$423,776,079	$2,632,334,998	$125,784
60	June	2019	$3,056,253,537	$430,203,665	$2,626,049,872	$142,460
61	July	2019	$3,056,494,464	$436,631,407	$2,619,863,057	$240,927
62	August	2019	$3,056,604,728	$443,014,085	$2,613,590,643	$110,264
63	September	2019	$3,057,895,453	$449,397,026	$2,608,498,427	$1,290,725
64	October	2019	$3,059,422,138	$455,782,705	$2,603,639,433	$1,526,685
65	November	2019	$3,060,278,462	$462,410,733	$2,597,867,729	$856,324
66	December	2019	$3,061,615,452	$469,179,068	$2,592,436,383	$1,336,989

	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
67	December	2018	$191,500,874	$46,007,880	$145,492,994	$0
68	January	2019	$191,500,874	$46,402,801	$145,098,073	$0
69	February	2019	$191,500,874	$46,797,721	$144,703,152	$0
70	March	2019	$191,500,874	$47,192,642	$144,308,231	$0
71	April	2019	$191,500,874	$47,587,563	$143,913,311	$0
72	May	2019	$191,500,874	$47,982,484	$143,518,390	$0
73	June	2019	$191,500,874	$48,377,404	$143,123,469	$0
74	July	2019	$191,500,874	$48,772,325	$142,728,548	$0
75	August	2019	$191,500,874	$49,167,246	$142,333,628	$0
76	September	2019	$191,500,874	$49,562,167	$141,938,707	$0
77	October	2019	$191,500,874	$49,957,087	$141,543,786	$0
78	November	2019	$191,500,874	$50,382,530	$141,118,344	$0
79	December	2019	$191,500,874	$50,825,642	$140,675,231	$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
80	December	2018	$774,692,623	$105,527,702	$669,164,921	$0
81	January	2019	$774,692,623	$107,171,761	$667,520,862	$0
82	February	2019	$774,692,623	$108,815,820	$665,876,803	$0
83	March	2019	$774,692,623	$110,459,880	$664,232,743	$0
84	April	2019	$774,692,623	$112,103,939	$662,588,684	$0
85	May	2019	$774,693,440	$113,747,998	$660,945,442	$817
86	June	2019	$774,695,011	$115,392,059	$659,302,952	$1,571
87	July	2019	$774,695,348	$117,036,123	$657,659,225	$338
88	August	2019	$774,699,160	$118,680,188	$656,018,972	$3,812
89	September	2019	$774,699,194	$120,324,261	$654,374,932	$33
90	October	2019	$774,699,321	$121,968,334	$652,730,987	$127
91	November	2019	$774,699,321	$123,719,239	$650,980,082	$0
92	December	2019	$774,699,350	$125,531,994	$649,167,356	$29

	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
93	December	2018	$0	$0	$0	$0
94	January	2019	$0	$0	$0	$0
95	February	2019	$0	$0	$0	$0
96	March	2019	$0	$0	$0	$0
97	April	2019	$0	$0	$0	$0
98	May	2019	$0	$0	$0	$0
99	June	2019	$0	$0	$0	$0
100	July	2019	$0	$0	$0	$0
101	August	2019	$0	$0	$0	$0
102	September	2019	$0	$0	$0	$0
103	October	2019	$0	$0	$0	$0
104	November	2019	$0	$0	$0	$0
105	December	2019	$0	$0	$0	$0

	e) West of Devers		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
106	December	2018	$3,046,911	$24,983	$3,021,928	$0
107	January	2019	$3,084,213	$31,255	$3,052,958	$37,302
108	February	2019	$3,091,993	$37,603	$3,054,391	$7,780
109	March	2019	$3,120,341	$43,967	$3,076,373	$28,347
110	April	2019	$3,144,962	$50,390	$3,094,572	$24,621
111	May	2019	$3,151,142	$56,863	$3,094,278	$6,180
112	June	2019	$3,151,900	$63,349	$3,088,551	$759
113	July	2019	$3,152,039	$69,837	$3,082,202	$139
114	August	2019	$3,155,354	$76,325	$3,079,029	$3,315
115	September	2019	$3,156,225	$82,820	$3,073,405	$871
116	October	2019	$3,156,346	$89,316	$3,067,030	$122
117	November	2019	$3,156,346	$96,430	$3,059,917	$0
118	December	2019	$3,156,346	$103,900	$3,052,447	$0

	f) Red Bluff		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
119	December	2018	$235,653,781	$31,507,862	$204,145,919	$0
120	January	2019	$235,653,781	$32,004,612	$203,649,169	$0
121	February	2019	$235,653,781	$32,501,363	$203,152,418	$0
122	March	2019	$235,653,781	$32,998,114	$202,655,667	$0
123	April	2019	$235,653,781	$33,494,864	$202,158,917	$0
124	May	2019	$235,653,781	$33,991,615	$201,662,166	$0
125	June	2019	$235,653,781	$34,488,366	$201,165,415	$0
126	July	2019	$235,653,781	$34,985,117	$200,668,664	$0
127	August	2019	$235,653,781	$35,481,867	$200,171,914	$0
128	September	2019	$235,653,781	$35,978,618	$199,675,163	$0
129	October	2019	$235,653,781	$36,475,369	$199,178,412	$0
130	November	2019	$235,653,781	$36,990,109	$198,663,672	$0
131	December	2019	$235,653,781	$37,515,266	$198,138,515	$0

	g) Whirlwind Substation Expansion		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
132	December	2018	$87,571,820	$7,061,029	$80,510,791	$0
133	January	2019	$87,575,646	$7,241,382	$80,334,265	$3,826
134	February	2019	$87,581,454	$7,421,742	$80,159,712	$5,808
135	March	2019	$87,584,452	$7,602,115	$79,982,337	$2,997
136	April	2019	$87,584,294	$7,782,494	$79,801,800	-$158
137	May	2019	$87,584,458	$7,962,872	$79,621,586	$164
138	June	2019	$87,588,109	$8,143,251	$79,444,858	$3,651
139	July	2019	$87,588,177	$8,323,637	$79,264,540	$68
140	August	2019	$87,602,866	$8,504,024	$79,098,842	$14,689
141	September	2019	$87,603,313	$8,684,440	$78,918,873	$448
142	October	2019	$87,603,589	$8,864,858	$78,738,731	$275
143	November	2019	$87,603,589	$9,062,045	$78,541,544	$0
144	December	2019	$87,605,815	$9,268,940	$78,336,875	$2,226

h) Colorado River Substation Expansion

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
145	December	2018	$71,454,672	$9,546,889	$61,907,783	$0
146	January	2019	$71,454,672	$9,694,958	$61,759,714	$0
147	February	2019	$71,454,672	$9,843,026	$61,611,646	$0
148	March	2019	$71,454,672	$9,991,094	$61,463,578	$0
149	April	2019	$71,454,672	$10,139,162	$61,315,510	$0
150	May	2019	$71,454,672	$10,287,230	$61,167,442	$0
151	June	2019	$71,454,672	$10,435,299	$61,019,374	$0
152	July	2019	$71,454,672	$10,583,367	$60,871,305	$0
153	August	2019	$71,454,672	$10,731,435	$60,723,237	$0
154	September	2019	$71,454,672	$10,879,503	$60,575,169	$0
155	October	2019	$71,454,672	$11,027,571	$60,427,101	$0
156	November	2019	$71,454,672	$11,186,268	$60,268,404	$0
157	December	2019	$71,454,672	$11,351,117	$60,103,555	$0

i) Mesa

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
158	December	2018	$9,207,853	$99,442	$9,108,412	$0
159	January	2019	$9,210,998	$115,613	$9,095,385	$3,144
160	February	2019	$9,215,554	$131,792	$9,083,763	$4,557
161	March	2019	$9,221,232	$147,982	$9,073,250	$5,678
162	April	2019	$9,222,913	$164,187	$9,058,725	$1,680
163	May	2019	$9,224,572	$180,397	$9,044,175	$1,659
164	June	2019	$9,224,572	$196,610	$9,027,961	$0
165	July	2019	$9,262,890	$212,824	$9,050,066	$38,318
166	August	2019	$9,267,509	$229,135	$9,038,374	$4,620
167	September	2019	$9,271,949	$245,458	$9,026,491	$4,439
168	October	2019	$9,276,509	$261,792	$9,014,718	$4,560
169	November	2019	$9,276,294	$279,495	$8,996,799	-$215
170	December	2019	$153,777,247	$297,984	$153,479,264	$144,500,953

j) Alberhill

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
171	December	2018	$0	$0	$0	$0
172	January	2019	$0	$0	$0	$0
173	February	2019	$0	$0	$0	$0
174	March	2019	$0	$0	$0	$0
175	April	2019	$0	$0	$0	$0
176	May	2019	$0	$0	$0	$0
177	June	2019	$0	$0	$0	$0
178	July	2019	$0	$0	$0	$0
179	August	2019	$0	$0	$0	$0
180	September	2019	$0	$0	$0	$0
181	October	2019	$0	$0	$0	$0
182	November	2019	$0	$0	$0	$0
183	December	2019	$0	$0	$0	$0

k) ELM Series Caps

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
184	December	2018	$0	$0	$0	$0
185	January	2019	$0	$0	$0	$0
186	February	2019	$0	$0	$0	$0
187	March	2019	$0	$0	$0	$0
188	April	2019	$0	$0	$0	$0
189	May	2019	$0	$0	$0	$0
190	June	2019	$0	$0	$0	$0
191	July	2019	$0	$0	$0	$0
192	August	2019	$0	$0	$0	$0
193	September	2019	$0	$0	$0	$0
194	October	2019	$0	$0	$0	$0
195	November	2019	$0	$0	$0	$0
196	December	2019	$0	$0	$0	$0

l) Riverside

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
197	December	2018	$0	$0	$0	$0
198	January	2019	$0	$0	$0	$0
199	February	2019	$0	$0	$0	$0
200	March	2019	$0	$0	$0	$0
201	April	2019	$0	$0	$0	$0
202	May	2019	$0	$0	$0	$0
203	June	2019	$0	$0	$0	$0
204	July	2019	$0	$0	$0	$0
205	August	2019	$0	$0	$0	$0
206	September	2019	$0	$0	$0	$0
207	October	2019	$0	$0	$0	$0
208	November	2019	$0	$0	$0	$0
209	December	2019	$0	$0	$0	$0

m)

	Prior Year Month	Year	Col 1 Plant In-Service	Col 2 Accumulated Depreciation	Col 3 = C1 - C2 Net Plant In Service	Col 4 = C1 - Previous Month C1 Transmission Activity
210	December	2018	$0	$0	$0	$0
211	January	2019	$0	$0	$0	$0
212	February	2019	$0	$0	$0	$0
213	March	2019	$0	$0	$0	$0
214	April	2019	$0	$0	$0	$0
215	May	2019	$0	$0	$0	$0
216	June	2019	$0	$0	$0	$0
217	July	2019	$0	$0	$0	$0
218	August	2019	$0	$0	$0	$0
219	September	2019	$0	$0	$0	$0
220	October	2019	$0	$0	$0	$0
221	November	2019	$0	$0	$0	$0
222	December	2019	$0	$0	$0	$0

6) Summary of Incentive Projects and incentives granted

	A) Rancho Vista Incentives Received:		**Cite:**
210	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
211	ROE adder:	0.75%	121 FERC ¶ 61,168 at P 129
212	100% Abandoned Plant:	No	-------
	B) Tehachapi Incentives Received:		**Cite:**
213	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
214	ROE adder:	1.25%	121 FERC ¶ 61,168 at P 129
215	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
	C) Devers to Colorado River Incentives Received:		**Cite:**
216	CWIP:	Yes	121 FERC ¶ 61,168 at P 57
217	ROE adder:	1.00%	121 FERC ¶ 61,168 at 129; modified by ER10-160 Settlement, see
218			P 7 and P 11
219	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
	D) Devers to Palo Verde 2 Incentives Received:		**Cite:**
220	CWIP:	No	121 FERC ¶ 61,168 at P 57; modified by ER10-160 Settlement, see
221			P2 and P3
222	ROE adder:	0.00%	121 FERC ¶ 61,168 at P 129; modified by ER10-160 Settlement, see
223			P 3 and P 7
224	100% Abandoned Plant:	Yes	121 FERC ¶ 61,168 at P 71
	E) South of Kramer Incentives Received:		**Cite:**
225	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
226	ROE adder:	0.00%	---
227	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
	F) West of Devers Incentives Received:		**Cite:**
228	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
229	ROE adder:	0.00%	---
230	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
	G) Red Bluff Incentives Received:		**Cite:**
231	CWIP:	Yes	133 FERC ¶ 61,107 at P 76
232	ROE adder:	0.00%	133 FERC ¶ 61,107 at P 102
233	100% Abandoned Plant:	Yes	133 FERC ¶ 61,107 at P 88
	H) Whirlwind Substation Expansion Incentives Received:		**Cite:**
234	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
235	ROE adder:	0.00%	---
236	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
	I) Colorado River Substation Expansion Incentives Received:		**Cite:**
237	CWIP:	Yes	134 FERC ¶ 61,181 at P 79
238	ROE adder:	0.00%	---
239	100% Abandoned Plant:	Yes	134 FERC ¶ 61,181 at P 79
	J) Mesa		**Cite:**
240	CWIP:	Yes	161 FERC ¶ 61,107 at P35
241	ROE adder:	0.00%	---
242	100% Abandoned Plant:	No	---
	K) Alberhill		**Cite:**
243	CWIP:	Yes	161 FERC ¶ 61,107 at P35
244	ROE adder:	0.00%	---
245	100% Abandoned Plant:	Yes	161 FERC ¶ 61,107 at P 21
	L) ELM Series Caps		**Cite:**
246	CWIP:	Yes	161 FERC ¶ 61,107 at P35
247	ROE adder:	0.00%	---
248	100% Abandoned Plant:	Yes	161 FERC ¶ 61,107 at P 21
	M) Riverside		**Cite:**
249	CWIP:	Yes	172 FERC ¶ 61,241 at P 31
250	ROE adder:	0.00%	
251	100% Abandoned Plant:	Yes	172 FERC ¶ 61,241 at P 26
	N) Future Incentive Projects:		**Cite:**
252	CWIP:		
253	ROE adder:		
254	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

Line	where:		Value	Source
1	CSCP = Common Stock Capital Percentage		47.5000%	1-BaseTRR, L 47
2	CTR = Composite Tax Rate		27.9836%	1-BaseTRR, L 59
3		IREF =	$6,596	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%.

Line		ROE Adder	Multiplicative Factor	Source
4	1) Rancho Vista	0.75%	0.75	14-IncentivePlant, L 211
5	2) Tehachapi	1.25%	1.25	14-IncentivePlant, L 214
6	3) Devers to Col. River	1.00%	1.00	14-IncentivePlant, L 217
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.

Line		Prior Year Incentive Rate Base	Multiplicative Factor	Prior Year Incentive Adder	Source
9	1) Rancho Vista	$140,675,231	0.75	$695,891	14-IncentivePlant, L 14, Col. 1
10	2) Tehachapi	$2,592,594,066	1.25	$21,375,030	14-IncentivePlant, L 15, Col. 1
11	3) Devers to Col. River	$649,167,356	1.00	$4,281,726	14-IncentivePlant, L 16, Col. 1
12					
13	…				
14		Prior Year Incentive Adder =		$26,352,647	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.

Line		True-Up Incentive Net Plant	Multiplicative Factor	True-Up Incentive Adder	Source
15	1) Rancho Vista	$143,115,067	0.75	$707,960	14-IncentivePlant, L 20, Col. 1
16	2) Tehachapi	$2,626,937,259	1.25	$21,658,178	14-IncentivePlant, L 21, Col. 1
17	3) Devers to Col. River	$659,274,151	1.00	$4,348,388	14-IncentivePlant, L 22, Col. 1
18					
19	…				
20		True-Up Incentive Adder =		$26,714,526	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

Line	Incentive Project	13-Month Avg. TIP Net Plant In Service	Source
21	1) Rancho Vista	$143,115,067	14-IncentivePlant, L 20, Col. 3
22	2) Tehachapi	$2,626,780,479	14-IncentivePlant, L 21, Col. 3
23	3) Devers to Col. River	$659,274,151	14-IncentivePlant, L 22, Col. 3
24			
	…		

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

Line	Incentive Project	Col 1 True Up Incentive Adder	Col 2 After-Tax True Up Incentive Adder	Source
25	1) Rancho Vista	$707,960	$509,847	See Note 1
26	2) Tehachapi	$21,656,885	$15,596,509	See Note 1
27	3) Devers to Col. River	$4,348,388	$3,131,552	See Note 1
28				See Note 1
29	…			
30		Total:	$19,237,909	

c) Equity Portion of Plant In Service Rate Base

Line		Amount	Source
31	Total Rate Base:	$6,087,546,652	4-TUTRR, Line 18
32	CWIP Portion of Rate Base:	$602,185,189	4-TUTRR, Line 14
33	Plant In Service Rate Base:	$5,485,361,463	Line 31 - Line 32
34	Equity percentage:	47.5000%	1-BaseTRR, Line 47
35	Equity Portion of Plant In Service Rate Base:	$2,605,546,695	Line 33 * Line 34

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

Line			
36	Plant In Service ROE Adder Percentage:	0.74%	Line 30 / Line 35
37	Base ROE (Including 50 basis point		
38	CAISO Participation Adder):	10.30%	1-BaseTRR, Line 50
39	Total ROE for Plant In Service in True Up TRR:	11.04%	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)

			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
	Forecast Period		Unloaded Total	Prior Period	Over Heads	Cost of	AFUDC Eligible Plant		Incremental	Depreciation	Incremental		Unloaded Low Voltage	Loaded Low Voltage
Line	Month	Year	Plant Adds	CWIP Closed	Closed to PIS	Removal	Additions	AFUDC	Gross Plant	Accrual	Reserve	Net Plant	Additions	Additions
1	January	2020	$8,174,830	$626,093	$566,155	$506,950	$5,829,924	$174,898	$8,408,933	$0	$0	$8,408,933	$0	$0
2	February	2020	$10,369,359	$2,570,582	$584,908	$541,465	$6,226,843	$186,805	$19,008,541	$17,838	$17,838	$18,990,703	$0	$0
3	March	2020	$7,966,306	$728,520	$542,834	$537,751	$6,184,133	$185,524	$27,165,454	$40,322	$58,160	$27,107,295	$0	$0
4	April	2020	$6,738,191	$626,093	$458,407	$506,950	$5,829,924	$174,898	$34,030,001	$57,625	$115,784	$33,914,216	$0	$0
5	May	2020	$30,121,785	$21,123,987	$674,835	$761,587	$8,758,254	$262,748	$64,327,781	$72,186	$187,971	$64,139,810	$0	$0
6	June	2020	$46,615,430	$23,312,461	$1,747,723	$1,976,337	$22,727,875	$681,836	$111,396,433	$136,456	$324,427	$111,072,006	$434,797	$442,015
7	July	2020	$8,608,749	$1,997,321	$495,857	$566,722	$6,517,308	$195,519	$120,129,835	$236,301	$560,727	$119,569,108	$434,797	$442,015
8	August	2020	$43,125,120	$15,714,170	$2,055,821	$2,355,481	$27,088,035	$812,641	$163,767,936	$254,826	$815,554	$162,952,382	$434,797	$442,015
9	September	2020	$6,542,492	$626,093	$443,730	$506,950	$5,829,924	$174,898	$170,422,106	$347,394	$1,162,948	$169,259,158	$434,797	$442,015
10	October	2020	$27,747,546	$17,764,235	$748,748	$529,276	$6,086,668	$182,600	$198,571,725	$361,509	$1,524,457	$197,047,268	$696,153	$707,709
11	November	2020	$14,292,650	$4,396,079	$742,243	$826,197	$9,501,262	$285,038	$213,065,459	$421,222	$1,945,679	$211,119,780	$696,153	$707,709
12	December	2020	$683,242,531	$484,116,031	$14,934,488	$3,391,642	$39,003,880	$1,170,116	$909,020,952	$451,967	$2,397,646	$906,623,306	$696,153	$707,709
13	January	2021	$15,111,767	$34,057	$1,130,828	$821,137	$9,443,081	$283,292	$924,725,703	$1,928,268	$4,325,914	$920,399,789	$696,153	$707,709
14	February	2021	$18,746,920	$1,312,073	$1,307,614	$1,005,103	$11,558,688	$346,761	$944,121,894	$1,961,582	$6,287,497	$937,834,398	$696,153	$707,709
15	March	2021	$18,924,278	$216,550	$1,403,080	$932,901	$10,728,362	$321,851	$963,838,201	$2,002,726	$8,290,223	$955,547,978	$696,153	$707,709
16	April	2021	$63,668,374	$13,392,176	$3,770,715	$2,536,096	$29,165,109	$874,953	$1,029,616,148	$2,044,550	$10,334,773	$1,019,281,375	$696,153	$707,709
17	May	2021	$113,934,715	$88,853,986	$1,881,055	$808,557	$9,298,400	$278,952	$1,144,902,313	$2,184,082	$12,518,855	$1,132,383,458	$696,153	$707,709
18	June	2021	$20,563,652	$232,804	$1,524,814	$986,093	$11,340,072	$340,202	$1,166,344,888	$2,428,634	$14,947,488	$1,151,397,400	$1,496,153	$1,520,989
19	July	2021	$15,748,550	$21,990	$1,179,492	$855,857	$9,842,350	$295,271	$1,182,712,344	$2,474,119	$17,421,607	$1,165,290,737	$1,496,153	$1,520,989
20	August	2021	$196,809,332	$35,444,845	$12,102,337	$949,167	$10,915,415	$327,462	$1,391,002,309	$2,508,838	$19,930,446	$1,371,071,863	$1,827,153	$1,857,483
21	September	2021	$37,724,616	$343,708	$2,803,568	$1,586,341	$18,242,916	$547,287	$1,430,491,439	$2,950,675	$22,881,121	$1,407,610,318	$1,827,153	$1,857,483
22	October	2021	$25,347,292	$4,965,083	$1,528,666	$808,471	$9,297,411	$278,922	$1,456,837,849	$3,034,442	$25,915,563	$1,430,922,286	$1,827,153	$1,857,483
23	November	2021	$19,490,979	$0	$1,461,823	$808,471	$9,297,411	$278,922	$1,477,261,103	$3,090,330	$29,005,893	$1,448,255,211	$1,827,153	$1,857,483
24	December	2021	$115,046,205	$41,609,796	$5,507,731	$3,085,753	$35,486,154	$1,064,585	$1,595,793,871	$3,133,653	$32,139,545	$1,563,654,326	$1,827,153	$1,857,483
25	**13-Month Averages:**								**$1,201,282,232**			**$1,185,405,573**		**$1,275,050**

2) Incentive Plant Forecast (See Note 1)

			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 L30-53	C5 10-CWIP L30-53	C6 10-CWIP L30-53	N/A	N/A	N/A	= Prior Month C7 +C1+C3	= Prior Month C7 * L91/12	= Prior Month C9 - C4 + C8	=C7-C9		=C11* (1-L75) * (1+L74+L76)
	Forecast Period		Unloaded Total	Prior Period	Over Heads	Cost of	AFUDC Eligible Plant		Incremental	Depreciation			Unloaded Low Voltage	Loaded Low Voltage
Line	Month	Year	Plant Adds	CWIP Closed	Closed to PIS	Removal	Additions	AFUDC	Gross Plant	Accrual	Reserve	Net Plant	Additions	Additions
26	January	2020	$1,653,970	$0	$124,048	$0	$0	$0	$1,778,018	$0	$0	$1,778,018	$0	$0
27	February	2020	$1,502,677	$0	$112,701	$0	$0	$0	$3,393,395	$3,772	$3,772	$3,389,624	$0	$0
28	March	2020	$984,871	$0	$73,865	$0	$0	$0	$4,452,132	$7,198	$10,970	$4,441,162	$0	$0
29	April	2020	$217,331	$0	$16,300	$0	$0	$0	$4,685,763	$9,444	$20,414	$4,665,349	$0	$0
30	May	2020	$486,868	$344,737	$10,660	$0	$0	$0	$5,183,291	$9,940	$30,354	$5,152,938	$0	$0
31	June	2020	$733,107	$410,800	$24,173	$0	$0	$0	$5,940,571	$10,995	$41,349	$5,899,222	$0	$0
32	July	2020	$21,632	$0	$1,622	$0	$0	$0	$5,963,825	$12,601	$53,950	$5,909,875	$0	$0
33	August	2020	$21,632	$0	$1,622	$0	$0	$0	$5,987,080	$12,651	$66,601	$5,920,479	$0	$0
34	September	2020	$21,632	$0	$1,622	$0	$0	$0	$6,010,335	$12,700	$79,301	$5,931,033	$0	$0
35	October	2020	$20,965,331	$17,136,386	$287,171	$0	$0	$0	$27,262,836	$12,749	$92,051	$27,170,786	$0	$0
36	November	2020	$289,632	$0	$21,722	$0	$0	$0	$27,574,191	$57,832	$149,882	$27,424,309	$0	$0
37	December	2020	$554,534,219	$394,845,414	$11,976,660	$0	$0	$0	$594,085,071	$58,492	$208,374	$593,876,696	$0	$0
38	January	2021	$5,529,600	$0	$414,720	$0	$0	$0	$600,029,391	$1,260,208	$1,468,582	$598,560,808	$0	$0
39	February	2021	$5,747,600	$0	$431,070	$0	$0	$0	$606,208,061	$1,272,817	$2,741,400	$603,466,661	$0	$0
40	March	2021	$7,860,041	$0	$589,503	$0	$0	$0	$614,657,605	$1,285,924	$4,027,324	$610,630,281	$0	$0
41	April	2021	$33,916,245	$13,129,540	$1,559,003	$0	$0	$0	$650,132,853	$1,303,848	$5,331,171	$644,801,682	$0	$0
42	May	2021	$104,418,013	$88,739,104	$1,175,918	$0	$0	$0	$755,726,784	$1,379,100	$6,710,271	$749,016,513	$0	$0
43	June	2021	$8,864,649	$0	$664,849	$0	$0	$0	$765,256,281	$1,603,092	$8,313,363	$756,942,919	$0	$0
44	July	2021	$5,774,740	$0	$433,106	$0	$0	$0	$771,464,127	$1,623,306	$9,936,669	$761,527,458	$0	$0
45	August	2021	$185,770,012	$35,442,345	$11,274,575	$0	$0	$0	$968,508,714	$1,636,475	$11,573,144	$956,935,570	$0	$0
46	September	2021	$19,236,334	$301,247	$1,420,132	$0	$0	$0	$989,165,179	$2,054,457	$13,627,601	$975,537,578	$0	$0
47	October	2021	$15,946,472	$4,965,083	$823,604	$0	$0	$0	$1,005,935,255	$2,098,275	$15,725,876	$990,209,379	$0	$0
48	November	2021	$10,090,159	$0	$756,762	$0	$0	$0	$1,016,782,176	$2,133,849	$17,859,724	$998,922,451	$0	$0
49	December	2021	$78,796,464	$41,240,899	$2,816,667	$0	$0	$0	$1,098,395,307	$2,156,858	$20,016,582	$1,078,378,725	$0	$0

3) Non-Incentive Plant Forecast (See Note 1) **Workpaper:** WP Schedules 10 & 16

Line	Forecast Period Month	Year	Col 1 Unloaded Total Plant Adds	Col 2 Prior Period CWIP Closed	Col 3 =(C1-C2)*L74 Over Heads Closed to PIS	Col 4 =(C1-C2+C3)*L75 Cost of Removal	Col 5 =C1-C2+C3-C4 AFUDC Eligible Plant Additions	Col 6 =C5*L76 AFUDC	Col 7 = Prior Month C2 +C2+C5+C6 Incremental Gross Plant	Col 8 = Prior Month C7 * L91/12 Depreciation Accrual	Col 9 = Prior Month C9 - C4 + C8 Incremental Reserve	Col 10 =C7-C9 Net Plant	Col 11 Unloaded Low Voltage Additions	Col 12 =C11* (1-L75) * (1+L74+L76) Loaded Low Voltage Additions
50	January	2020	$6,520,860	$626,093	$442,107	$506,950	$5,829,924	$174,898	$6,630,915	$0	$0	$6,630,915	$0	$0
51	February	2020	$8,866,682	$2,570,582	$472,208	$541,465	$6,226,843	$186,805	$15,615,145	$14,066	$14,066	$15,601,080	$0	$0
52	March	2020	$6,981,435	$728,520	$468,969	$537,751	$6,184,133	$185,524	$22,713,323	$33,124	$47,190	$22,666,133	$0	$0
53	April	2020	$6,520,860	$626,093	$442,107	$506,950	$5,829,924	$174,898	$29,344,238	$48,181	$95,370	$29,248,867	$0	$0
54	May	2020	$29,634,917	$20,779,250	$664,175	$761,587	$8,758,254	$262,748	$59,144,490	$62,247	$157,617	$58,986,873	$0	$0
55	June	2020	$45,882,323	$22,901,661	$1,723,550	$1,976,337	$22,727,875	$681,836	$105,455,862	$125,461	$283,078	$105,172,784	$434,797	$442,015
56	July	2020	$8,587,116	$1,997,321	$494,235	$566,722	$6,517,308	$195,519	$114,166,010	$223,699	$506,777	$113,659,233	$434,797	$442,015
57	August	2020	$43,103,488	$15,714,170	$2,054,199	$2,355,481	$27,088,035	$812,641	$157,780,856	$242,176	$748,953	$157,031,904	$434,797	$442,015
58	September	2020	$6,520,860	$626,093	$442,107	$506,950	$5,829,924	$174,898	$164,411,771	$334,694	$1,083,647	$163,328,125	$434,797	$442,015
59	October	2020	$6,782,215	$627,849	$461,577	$529,276	$6,086,668	$182,600	$171,308,889	$348,760	$1,432,406	$169,876,482	$696,153	$707,709
60	November	2020	$14,003,018	$4,396,079	$720,520	$826,197	$9,501,262	$285,038	$185,491,268	$363,390	$1,795,797	$183,695,471	$696,153	$707,709
61	December	2020	$128,708,312	$89,270,617	$2,957,827	$3,391,642	$39,003,880	$1,170,116	$314,935,882	$393,475	$2,189,272	$312,746,610	$696,153	$707,709
62	January	2021	$9,582,167	$34,057	$716,108	$821,137	$9,443,081	$283,292	$324,696,312	$668,060	$2,857,332	$321,838,980	$696,153	$707,709
63	February	2021	$12,999,320	$1,312,073	$876,544	$1,005,103	$11,558,688	$346,761	$337,913,834	$688,765	$3,546,097	$334,367,737	$696,153	$707,709
64	March	2021	$11,064,237	$216,550	$813,577	$932,901	$10,728,362	$321,851	$349,180,597	$716,803	$4,262,900	$344,917,697	$696,153	$707,709
65	April	2021	$29,752,129	$262,636	$2,211,712	$2,536,096	$29,165,109	$874,953	$379,483,295	$740,702	$5,003,602	$374,479,693	$696,153	$707,709
66	May	2021	$9,516,703	$114,882	$705,137	$808,557	$9,298,400	$278,952	$389,175,529	$804,982	$5,808,584	$383,366,945	$696,153	$707,709
67	June	2021	$11,699,003	$232,804	$859,965	$986,093	$11,340,072	$340,202	$401,088,607	$825,542	$6,634,126	$394,454,481	$1,496,153	$1,520,989
68	July	2021	$9,973,810	$21,990	$746,387	$855,857	$9,842,350	$295,271	$411,248,217	$850,813	$7,484,938	$403,763,279	$1,496,153	$1,520,989
69	August	2021	$11,039,321	$2,500	$827,762	$949,167	$10,915,415	$327,462	$422,493,595	$872,364	$8,357,302	$414,136,293	$1,827,153	$1,857,483
70	September	2021	$18,488,282	$42,462	$1,383,437	$1,586,341	$18,242,916	$547,287	$441,326,260	$896,218	$9,253,520	$432,072,740	$1,827,153	$1,857,483
71	October	2021	$9,400,820	$0	$705,062	$808,471	$9,297,411	$278,922	$450,902,594	$936,167	$10,189,687	$440,712,907	$1,827,153	$1,857,483
72	November	2021	$9,400,820	$0	$705,062	$808,471	$9,297,411	$278,922	$460,478,927	$956,481	$11,146,168	$449,332,759	$1,827,153	$1,857,483
73	December	2021	$36,249,741	$368,897	$2,691,063	$3,085,753	$35,486,154	$1,064,585	$497,398,564	$976,795	$12,122,963	$485,275,601	$1,827,153	$1,857,483

4) ISO Corporate Overhead Loader

Line		
74	ISO Corp OH Rate	7.50%

5) ISO Cost of Removal Percent

Line		
75	Cost of Removal Rate	8.00%

6) AFUDC Loader Rate

Line		
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 December Prior Year Plant Balance	Col 3 Accrual Rate	Col 4 C2*C3 Annual Accrual	Accrual Rate Reference
77	350.1		$88,722,950	0.00%	$0	18 Dep Rates L1
78	350.2		$165,732,566	1.66%	$2,751,161	18 Dep Rates L2
79	352		$741,230,571	2.57%	$19,049,626	18 Dep Rates L3
80	353		$3,714,934,156	2.47%	$91,758,874	18 Dep Rates L4
81	354		$2,305,124,778	2.44%	$56,245,045	18 Dep Rates L5
82	355		$408,001,019	3.67%	$14,973,637	18 Dep Rates L6
83	356		$1,408,013,216	3.05%	$42,944,403	18 Dep Rates L7
84	357		$215,368,702	1.65%	$3,553,584	18 Dep Rates L8
85	358		$59,251,566	3.87%	$2,293,036	18 Dep Rates L9
86	359		$179,151,598	1.56%	$2,794,765	18 Dep Rates L10
87						
88		Sum of Depreciation Expense			$236,364,129	Sum of C4 Lines 77 to 86
89		Sum of Dec Prior Year Plant			$9,285,531,121	Sum of C2 Lines 77 to 86
90						
91		Composite Depreciation Rate			2.55%	Line 88 / Line 89

Notes:

1) Forecast Period is the calendar year two years after the Prior Year (i.e., PY+2).

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: 2019

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

	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:										
Line	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
1	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	$8,787,478,997
2	Jan 2019	$87,356,156	$165,217,772	$646,001,650	$3,462,904,494	$2,273,515,090	$392,609,455	$1,319,770,641	$190,887,474	$83,987,440	$173,793,754	$8,796,043,926
3	Feb 2019	$87,378,283	$165,238,734	$649,915,491	$3,463,000,294	$2,273,899,913	$394,544,588	$1,320,181,319	$190,896,529	$83,991,813	$173,965,840	$8,803,012,804
4	Mar 2019	$87,422,936	$165,274,761	$656,305,655	$3,473,399,159	$2,273,589,636	$396,552,951	$1,322,780,079	$190,915,965	$83,998,080	$176,594,549	$8,826,833,772
5	Apr 2019	$87,480,042	$165,233,220	$656,534,696	$3,484,806,815	$2,277,229,730	$397,457,164	$1,339,023,383	$190,926,871	$84,003,483	$176,656,377	$8,859,351,782
6	May 2019	$87,483,625	$165,268,205	$660,917,189	$3,507,319,640	$2,278,145,727	$398,520,802	$1,361,310,693	$190,946,305	$84,012,373	$177,585,902	$8,911,510,461
7	Jun 2019	$87,557,692	$165,408,136	$661,485,300	$3,511,174,756	$2,281,853,521	$399,556,990	$1,369,808,902	$190,952,605	$84,019,571	$177,579,720	$8,929,397,194
8	Jul 2019	$87,553,684	$165,483,879	$661,382,666	$3,515,998,243	$2,283,177,846	$400,761,723	$1,371,206,861	$215,333,813	$59,244,428	$177,612,079	$8,937,755,222
9	Aug 2019	$87,553,684	$165,484,094	$674,909,871	$3,538,452,630	$2,285,134,792	$401,429,532	$1,370,067,207	$215,340,822	$59,244,867	$177,615,267	$8,975,232,766
10	Sep 2019	$87,570,145	$165,595,201	$677,295,973	$3,543,843,021	$2,297,900,875	$402,224,730	$1,379,053,257	$215,347,100	$59,245,373	$177,619,374	$9,005,695,048
11	Oct 2019	$87,569,796	$165,598,609	$677,882,532	$3,550,828,647	$2,299,348,771	$403,632,408	$1,403,798,673	$215,352,795	$59,245,902	$178,258,588	$9,041,516,720
12	Nov 2019	$88,713,600	$165,585,388	$677,781,640	$3,558,254,573	$2,300,875,371	$404,634,827	$1,406,436,694	$215,364,289	$59,250,147	$178,942,879	$9,055,839,408
13	Dec 2019	$88,722,950	$165,732,566	$741,230,571	$3,714,934,156	$2,305,124,778	$408,001,019	$1,408,013,216	$215,368,702	$59,251,566	$179,151,598	$9,285,531,121
14												

15 Depreciation Rates (Percent per year) See Instruction 1.

16	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359
17a	Dec 2018	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17b	Jan 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17c	Feb 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17d	Mar 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17e	Apr 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17f	May 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17g	Jun 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17h	Jul 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17i	Aug 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17j	Sep 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17k	Oct 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17l	Nov 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
17m	Dec 2019	0.00%	1.66%	2.57%	2.47%	2.44%	3.67%	3.05%	1.65%	3.87%	1.56%
18											

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

20												
21		FERC										
22		Account:										Month
23	Mo/YR	350.1	350.2	352	353	354	355	356	357	358	359	Total
24	Jan 2019	$0	$228,612	$1,378,538	$7,121,347	$4,645,577	$1,182,175	$3,333,420	$262,475	$270,865	$225,919	$18,648,928
25	Feb 2019	$0	$228,551	$1,383,520	$7,127,812	$4,622,814	$1,200,731	$3,354,417	$262,470	$270,859	$225,932	$18,677,106
26	Mar 2019	$0	$228,580	$1,391,902	$7,128,009	$4,623,596	$1,206,649	$3,355,461	$262,483	$270,874	$226,156	$18,693,710
27	Apr 2019	$0	$228,630	$1,405,588	$7,149,413	$4,622,966	$1,212,791	$3,362,066	$262,509	$270,894	$229,573	$18,744,430
28	May 2019	$0	$228,573	$1,406,078	$7,172,894	$4,630,367	$1,215,556	$3,403,351	$262,524	$270,911	$229,653	$18,819,909
29	Jun 2019	$0	$228,621	$1,415,464	$7,219,233	$4,632,230	$1,218,809	$3,459,998	$262,551	$270,940	$230,862	$18,938,708
30	Jul 2019	$0	$228,815	$1,416,681	$7,227,168	$4,639,769	$1,221,978	$3,481,598	$262,560	$270,963	$230,854	$18,980,385
31	Aug 2019	$0	$228,919	$1,416,461	$7,237,096	$4,642,462	$1,225,663	$3,485,151	$296,084	$191,063	$230,896	$18,953,795
32	Sep 2019	$0	$228,920	$1,445,432	$7,283,315	$4,646,441	$1,227,705	$3,482,254	$296,094	$191,065	$230,900	$19,032,125
33	Oct 2019	$0	$229,073	$1,450,542	$7,294,410	$4,672,398	$1,230,137	$3,505,094	$296,102	$191,066	$230,905	$19,099,729
34	Nov 2019	$0	$229,078	$1,451,798	$7,308,789	$4,675,343	$1,234,442	$3,567,988	$296,110	$191,068	$231,736	$19,186,353
35	Dec 2019	$0	$229,060	$1,451,582	$7,324,074	$4,678,447	$1,237,508	$3,574,693	$296,126	$191,082	$232,626	$19,215,198
36	Totals:	$0	$2,745,432	$17,013,588	$86,593,560	$55,732,408	$14,614,146	$41,365,491	$3,318,089	$2,851,650	$2,756,010	
37											Total Annual Depreciation Expense for Transmission Plant - ISO:	$226,990,376
38											(equals sum of monthly amounts)	

2) Calculation of Depreciation Expense for Distribution Plant - ISO

	360	361	362	Source
Distribution Plant - ISO BOY	$0	$0	$0	6-PlantInService Line 15.
Distribution Plant - ISO EOY	$0	$0	$0	6-PlantInService Line 16.
Average BOY/EOY :	$0	$0	$0	

Depreciation Rates (Percent per year) See "18-DepRates".

360	361	362
1.67%	2.27%	1.90%

Depreciation Expense for Distribution Plant - ISO See Note 2 and Instruction 2

360	361	362	Total	
$0	$0	$0	$0	Total is sum of Depreciation Expense for accounts 360, 361, and 362

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

Total General Plant Depreciation Expense	235,636,576	FF1 336.10f
Total Intangible Plant Depreciation Expense	193,129,519	FF1 336.1f
Sum of Total General and Total Intangible Depreciation Expense	$428,766,095	Line 58 + Line 59
Transmission Wages and Salaries Allocation Factor	6.5681%	27-Allocators, Line 9
General and Intangible Depreciation Expense	$28,161,612	Line 60 * Line 61

4) Depreciation Expense

Depreciation Expense is the sum of:	Amount	Source
1) Depreciation Expense for Transmission Plant - ISO	$226,990,376	Line 37, Col 12
2) Depreciation Expense for Distribution Plant - ISO	$0	Line 53
3) General and Intangible Depreciation Expense	$28,161,612	Line 62
Depreciation Expense:	$255,151,988	Line 67 + Line 68 + Line 69

Notes:

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

Instructions:

1) Depreciation rates on lines 17a-17m 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.
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

Line	FERC Account	Description	Plant Less Salvage	Removal Cost	Total
	1) Transmission Plant - ISO				
1	350.1	Fee Land	0.00%	0.00%	0.00%
2	350.2	Easements	1.66%	0.00%	1.66%
3	352	Structures and Improvements	1.80%	0.77%	2.57%
4	353	Station Equipment	2.20%	0.27%	2.47%
5	354	Towers and Fixtures	1.35%	1.09%	2.44%
6	355	Poles and Fixtures	2.00%	1.67%	3.67%
7	356	Overhead Conductors and Devices	2.00%	1.05%	3.05%
8	357	Underground Conduit	1.65%	0.00%	1.65%
9	358	Underground Conductors and Devices	3.26%	0.61%	3.87%
10	359	Roads and Trails	1.56%	0.00%	1.56%
11					
	2) Distribution Plant - ISO				
12	360	Land and Land Rights	1.67%	0.00%	1.67%
13	361	Structures and Improvements	1.75%	0.52%	2.27%
14	362	Station Equipment	1.32%	0.58%	1.90%
	3) General Plant				
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 - Five Year	20.00%	0.00%	20.00%
28	393	Stores Equipment	5.00%	0.00%	5.00%
29	395	Laboratory Equipment	6.67%	0.00%	6.67%
30	398	Misc Power Plant Equipment	5.00%	0.00%	5.00%
31	397	Data Network Systems	20.00%	0.00%	20.00%
32	397	Telecom System Equipment	14.29%	0.00%	14.29%
33	397	Netcomm Radio Assembly	10.00%	0.00%	10.00%
34	397	Microwave Equip. & Antenna Assembly	6.67%	0.00%	6.67%
35	397	Telecom Power Systems	5.00%	0.00%	5.00%
36	397	Fiber Optic Communication Cables	4.00%	0.00%	4.00%
37	397	Telecom Infrastructure	2.50%	0.00%	2.50%
38	392	Transportation Equip.	14.29%	0.00%	14.29%
39	394.4	Garage & Shop -- Equip.	10.00%	0.00%	10.00%
40	394.5	Tools & Work Equip. -- Shop	10.00%	0.00%	10.00%
41	396	Power Oper Equip	6.67%	0.00%	6.67%
	4) Intangible Plant				
42	302	Hydro Relicensing	1.85%	0.00%	1.85%
43	303	Radio Frequency	2.50%	0.00%	2.50%
44	301	Other Intangibles	5.00%	0.00%	5.00%
45	303	Cap Soft 5yr	20.31%	0.00%	20.31%
46	303	Cap Soft 7yr	14.62%	0.00%	14.62%
47	303	Cap Soft 10yr	12.93%	0.00%	12.93%
48	303	Cap Soft 15yr	8.48%	0.00%	8.48%

Operations and Maintenance Expenses

Workpaper: WP Schedule 19 O&M Cost Detail Cells shaded yellow are input cells

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

	Col 1	Col 2 = C3 + C4	Col 3	Col 4	Col 5 Note 2	Col 6 = C7 + C8	Col 7	Col 8	Col 9 = C10 + C11	Col 10 = C3 + C7	Col 11 = C4 + C8
		Total Recorded O&M Expenses			Adjustments				Adjusted Recorded O&M Expenses		
	Account/Work Activity Rev	Total	Labor	Non-Labor	Reason	Total	Labor	Non-Labor	Total	Labor	Non-Labor
Line	**Transmission Accounts**										
1	560 - Operations Supervision and Engineering - Allocated	$8,092,115	$3,966,683	$4,125,432		$0	$0	$0	8,092,115	3,966,683	4,125,432
2	560 - Sylmar/Palo Verde	$218,859	$0	$218,859		$0	$0	$0	218,859	-	218,859
3	561 Load Dispatch - Allocated	$10,979,778	$8,989,791	$1,989,987		$0	$0	$0	10,979,778	8,989,791	1,989,987
4	561.400 Scheduling, System Control and Dispatch Services	$30,864,993	$0	$30,864,993	A	-$30,864,993	$0	($30,864,993)	-	-	-
5	561.500 Reliability Planning and Standards Development	$4,579,897	$4,153,653	$426,245		$0	$0	$0	4,579,897	4,153,653	426,245
6	562 - Station Expenses - Allocated	$21,612,432	$17,560,849	$4,051,583		$0	$0	$0	21,612,432	17,560,849	4,051,583
7	562 - MOGS Station Expense	$0	$0	$0	B	$0	$0	$0	-	-	-
8	562 - Sylmar/Palo Verde	$869,793	$0	$869,793		$0	$0	$0	869,793	-	869,793
9	563 - Overhead Line Expenses - Allocated	$38,009,999	$13,523,556	$24,486,443		$0	$0	$0	38,009,999	13,523,556	24,486,443
10	564 - Underground Line Expenses - Allocated	$1,975,667	$1,703,103	$272,564		$0	$0	$0	1,975,667	1,703,103	272,564
11	565 - Transmission of Electricity by Others	$0	$0	$0		$0	$0	$0	-	-	-
12	565 - Wheeling Costs	$19,648,738	$0	$19,648,738	C	-$19,648,738	$0	($19,648,738)	-	-	-
13	565 - WAPA Transmission for Remote Service	$287,070	$0	$287,070		$0	$0	$0	287,070	-	287,070
14	566 - Miscellaneous Transmission Expenses - Allocated	$41,780,985	$21,299,519	$20,481,466	F	-$4,261	($3,959)	($302)	41,776,723	21,295,560	20,481,164
15	566 - ISO/RSBA/TSP Balancing Accounts	$121,060,283	$191,433	$120,868,851	D	-$120,200,470	($1,892)	($120,198,578)	859,813	189,541	670,272
16	566 - Sylmar/Palo Verde/Other General Functions	$722,667	$0	$722,667		$0	$0	$0	722,667	-	722,667
17	567 - Line Rents - Allocated	$16,765,926	$37,815	$16,728,111		$0	$0	$0	16,765,926	37,815	16,728,111
18	567 - Eldorado	$41,012	$0	$41,012		$0	$0	$0	41,012	-	41,012
19	567 - Sylmar/Palo Verde	$355,202	$0	$355,202		$0	$0	$0	355,202	-	355,202
20	568 - Maintenance Supervision and Engineering - Allocated	$2,516,506	$2,220,918	$295,588		$0	$0	$0	2,516,506	2,220,918	295,588
21	568 - Sylmar/Palo Verde	$181,917	$0	$181,917		$0	$0	$0	181,917	-	181,917
22	569 - Maintenance of Structures - Allocated	$42,393,508	$11,515	$42,381,993	E	-$39,147,707	$0	($39,147,707)	3,245,801	11,515	3,234,286
23	569 - Sylmar/Palo Verde	$271,141	$0	$271,141		$0	$0	$0	271,141	-	271,141
24	570 - Maintenance of Station Equipment - Allocated	$6,340,851	$4,448,596	$1,892,255		$0	$0	$0	6,340,851	4,448,596	1,892,255
25	570 - Sylmar/Palo Verde	$1,222,369	$0	$1,222,369		$0	$0	$0	1,222,369	-	1,222,369
26	571 - Maintenance of Overhead Lines - Allocated	$83,935,139	$13,426,630	$70,508,509	F	$21,548	($186)	$21,734	83,956,686	13,426,443	70,530,243
27	571 - Sylmar/Palo Verde	$310,337	$0	$310,337		$0	$0	$0	310,337	-	310,337
28	572 - Maintenance of Underground Lines - Allocated	$1,154,122	$251,950	$902,172		$0	$0	$0	1,154,122	251,950	902,172
29	572 - Sylmar/Palo Verde	$6,805	$0	$6,805		$0	$0	$0	6,805	-	6,805
30	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	$2,238,849	$1,031,013	$1,207,837		$0	$0	$0	2,238,849	1,031,013	1,207,837
31	…	---	---	---	---	$0	---	---			
32	Transmission NOIC (Note 3)	-	-	-		$1,030,906	$1,030,906	$0	$1,030,906	$1,030,906	$0
33	**Total Transmission O&M**	$458,436,961	$92,817,023	$365,619,938		-$208,813,716	$1,024,869	-$209,838,585	$249,623,245	$93,841,891	$155,781,353
34											

	Col 1	Col 2 = C3 + C4	Col 3	Col 4	Col 5 Note 2	Col 6 = C7 + C8	Col 7	Col 8	Col 9 = C10 + C11	Col 10 = C3 + C7	Col 11 = C4 + C8
		Total Recorded O&M Expenses			Adjustments				Adjusted Recorded O&M Expenses		
	Account/Work Activity Rev	Total	Labor	Non-Labor	Reason	Total	Labor	Non-Labor	Total	Labor	Non-Labor
	Distribution Accounts										
35	582 - Station Expenses	34,054,379	$25,926,356	$8,128,022		-	$0	$0	34,054,379	25,926,356	8,128,022
36	590 - Maintenance Supervision and Engineering	2,484,195	$2,220,719	$263,476		-	$0	$0	2,484,195	2,220,719	263,476
37	591 - Maintenance of Structures	71,779	$14,367	$57,412		-	$0	$0	71,779	14,367	57,412
38	592 - Maintenance of Station Equipment	7,317,361	$4,047,089	$3,270,272		-	$0	$0	7,317,361	4,047,089	3,270,272
39	Accounts with no ISO Distribution Costs	927,148,405	$256,662,371	$670,486,034	F	(9,199,062)	($305,307)	($8,893,755)	917,949,343	256,357,064	661,592,279
40	Distribution NOIC (Note 3)	-	-	-		3,208,450	3,208,450	-	3,208,450	3,208,450	-
41	**Total Distribution O&M**	971,076,119	288,870,902	682,205,217		(5,990,612)	2,903,143	(8,893,755)	965,085,507	291,774,045	673,311,462
42											
43	**Total Transmission and Distribution O&M**	1,429,513,080	381,687,925	1,047,825,155		(214,804,328)	3,928,012	(218,732,340)	1,214,708,752	385,615,937	829,092,815
44											
45	Total Transmission O&M Expenses in FERC Form 1:	$458,436,959	FF1 321.112b	Must equal Line 33, Column 2.							
46	Total Distribution O&M Expenses in FERC Form 1:	$971,076,120	FF1 322.156b	Must equal Line 41, Column 2.							
47	Total TDBU NOIC	$4,239,356	20-AandG, Note 2, f								

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

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9
		From C9 above	From C10 above	From C11 above	Note 6	= C7 + C8	= C3 * C5	= C4 * C5	
		Adjusted Recorded O&M Expenses			Percent	ISO O&M Expenses			Percent ISO
	Account/Work Activity Rev	Total	Labor	Non-Labor	ISO	Total	Labor	Non-Labor	Reference
Line	**Transmission Accounts**								
48	560 - Operations Supervision and Engineering - Allocated	8,092,115	3,966,683	4,125,432	37.7%	3,051,205	1,495,673	1,555,531	27-Allocators Line 42
49	560 - Sylmar/Palo Verde	218,859	-	218,859	100.0%	218,859	-	218,859	100%
50	561 Load Dispatch - Allocated	10,979,778	8,989,791	1,989,987	37.7%	4,140,024	3,389,682	750,342	27-Allocators Line 42
51	561.400 Scheduling, System Control and Dispatch Services	-	-	-	0.0%	-	-	-	0%
52	561.500 Reliability Planning and Standards Development	4,579,897	4,153,653	426,245	100.0%	4,579,897	4,153,653	426,245	100%
53	562 - Station Expenses - Allocated	21,612,432	17,560,849	4,051,583	37.7%	8,149,162	6,621,476	1,527,686	27-Allocators Line 42
54	562 - MOGS Station Expense	-	-	-	0.0%	-	-	-	0%
55	562 - Sylmar/Palo Verde	869,793	-	869,793	100.0%	869,793	-	869,793	100%
56	563 - Overhead Line Expenses - Allocated	38,009,999	13,523,556	24,486,443	46.9%	17,842,302	6,348,103	11,494,199	27-Allocators Line 30
57	564 - Underground Line Expenses - Allocated	1,975,667	1,703,103	272,564	1.3%	25,322	21,828	3,493	27-Allocators Line 36
58	565 - Transmission of Electricity by Others	-	-	-	100.0%	-	-	-	100%
59	565 - Wheeling Costs	-	-	-	0.0%	-	-	-	0%
60	565 - WAPA Transmission for Remote Service	287,070	-	287,070	0.0%	-	-	-	0%
61	566 - Miscellaneous Transmission Expenses - Allocated	41,776,723	21,295,560	20,481,164	37.7%	15,752,289	8,029,682	7,722,607	27-Allocators Line 42
62	566 - ISO/RSBA/TSP Balancing Accounts	859,813	189,541	670,272	0.0%	-	-	-	0%
63	566 - Sylmar/Palo Verde/Other General Functions	722,667	-	722,667	100.0%	722,667	-	722,667	100%
64	567 - Line Rents - Allocated	16,765,926	37,815	16,728,111	46.9%	7,870,106	17,751	7,852,355	27-Allocators Line 30
65	567 - Eldorado	41,012	-	41,012	100.0%	41,012	-	41,012	100%
66	567 - Sylmar/Palo Verde	355,202	-	355,202	100.0%	355,202	-	355,202	100%
67	568 - Maintenance Supervision and Engineering - Allocated	2,516,506	2,220,918	295,588	37.7%	948,871	837,417	111,454	27-Allocators Line 42
68	568 - Sylmar/Palo Verde	181,917	-	181,917	100.0%	181,917	-	181,917	100%
69	569 - Maintenance of Structures - Allocated	3,245,801	11,515	3,234,286	37.7%	1,223,859	4,342	1,219,517	27-Allocators Line 42
70	569 - Sylmar/Palo Verde	271,141	-	271,141	100.0%	271,141	-	271,141	100%
71	570 - Maintenance of Station Equipment - Allocated	6,340,851	4,448,596	1,892,255	37.7%	2,390,875	1,677,383	713,492	27-Allocators Line 42
72	570 - Sylmar/Palo Verde	1,222,369	-	1,222,369	100.0%	1,222,369	-	1,222,369	100%
73	571 - Maintenance of Overhead Lines - Allocated	83,956,686	13,426,443	70,530,243	46.9%	39,410,171	6,302,517	33,107,654	27-Allocators Line 30
74	571 - Sylmar/Palo Verde	310,337	-	310,337	100.0%	310,337	-	310,337	100%
75	572 - Maintenance of Underground Lines - Allocated	1,154,122	251,950	902,172	1.3%	14,792	3,229	11,563	27-Allocators Line 36
76	572 - Sylmar/Palo Verde	6,805	-	6,805	100.0%	6,805	-	6,805	100%
77	573 - Maintenance of Miscellaneous Trans. Plant - Allocated	2,238,849	1,031,013	1,207,837	37.7%	844,178	388,753	455,426	27-Allocators Line 42
78	…	---	---	---	---	---	---	---	
79	Transmission NOIC (Note 4)	1,030,906	1,030,906	-		436,434	436,434	-	
80	**Total Transmission - ISO O&M**	249,623,245	93,841,891	155,781,353		110,879,588	39,727,922	71,151,666	
81									

	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
	Account/Work Activity Rev	Total	Labor	Non-Labor	ISO	Total	Labor	Non-Labor	Reference
	Distribution Accounts								
82	582 - Station Expenses	34,054,379	25,926,356	8,128,022	0.0%	-	-	-	27-Allocators Line 48
83	590 - Maintenance Supervision and Engineering	2,484,195	2,220,719	263,476	0.0%	-	-	-	27-Allocators Line 48
84	591 - Maintenance of Structures	71,779	14,367	57,412	0.0%	-	-	-	27-Allocators Line 48
85	592 - Maintenance of Station Equipment	7,317,361	4,047,089	3,270,272	0.0%	-	-	-	27-Allocators Line 48
86	Accounts with no ISO Distribution Costs	917,949,343	256,357,064	661,592,279	0.0%	-	-	-	0%
87	Distribution NOIC (Note 4)	3,208,450	3,208,450	-	0.0%	-	-	-	0%
88	**Total Distribution - ISO O&M**	965,085,507	291,774,045	673,311,462		-	-	-	
89									
90									
91	**Total ISO O&M Expenses (in Column 6)**	1,214,708,752	385,615,937	829,092,815		110,879,588	39,727,922	71,151,666	
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 transfered to account from A&G Account 920 pursuant to Order 668.
F: Excludes shareholder funded costs.

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:	24.3175%	Line 33, Col 3 / Line 43, Col 3
Distribution NOIC Percentage:	75.6825%	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: 42.33%
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.

Calculation of Administrative and General Expense

Inputs are shaded yellow

Line	Acct.	Description	Col 1 FERC Form 1 Amount	Col 2 Data Source	Col 3 See Note 1 Total Amount Excluded	Col 4 A&G Expense
1	920	A&G Salaries	$413,850,310	FF1 323.181b	$140,442,987	$273,407,323
2	921	Office Supplies and Expenses	$250,234,425	FF1 323.182b	$2,351,967	$247,882,458
3	922	A&G Expenses Transferred	-$225,318,190	FF1 323.183b	-$77,722,053	-$147,596,137
4	923	Outside Services Employed	$59,887,693	FF1 323.184b	$8,884,392	$51,003,301
5	924	Property Insurance	$15,607,270	FF1 323.185b	$0	$15,607,270
6	925	Injuries and Damages	$902,073,996	FF1 323.186b	$170,732,328	$731,341,668
7	926	Employee Pensions and Benefits	$82,906,034	FF1 323.187b	$2,802,914	$80,103,120
8	927	Franchise Requirements	$104,335,318	FF1 323.188b	$104,335,318	$0
9	928	Regulatory Commission Expenses	$11,713,250	FF1 323.189b	$9,979,028	$1,734,222
10	929	Duplicate Charges	$0	FF1 323.190b	$0	$0
11	930.1	General Advertising Expense	$11,245,961	FF1 323.191b	$4,498,348	$6,747,613
12	930.2	Miscellaneous General Expense	$14,071,912	FF1 323.192b	$5,999,239	$8,072,673
13	931	Rents	$8,581,490	FF1 323.193b	$12,016,813	-$3,435,323
14	935	Maintenance of General Plant	$26,158,179	FF1 323.196b	$811,672	$25,346,507
15			$1,675,347,648		Total A&G Expenses:	$1,290,214,696

Line		Amount	Source
16	Remaining A&G after exclusions & NOIC Adjustment:	$1,290,214,696	Line 15
17	Less Account 924:	$15,607,270	Line 5
18	Amount to apply the Transmission W&S AF:	$1,274,607,426	Line 16 - Line 17
19	Transmission Wages and Salaries Allocation Factor:	6.5681%	27-Allocators, Line 9
20	Transmission W&S AF Portion of A&G:	$83,716,975	Line 18 * Line 19
21	Transmission Plant Allocation Factor:	18.6680%	27-Allocators, Line 22
22	Property Insurance portion of A&G:	$2,913,571	Line 5 Col 4 * Line 21
23	Administrative and General Expenses:	$86,630,546	Line 20 + Line 22

Note 1: Itemization of exclusions
Workpaper: WP Schedule 20 A&G

	Acct.	Total Amount Excluded (Sum of Col 1 to Col 4)	Col 1 Shareholder Exclusions or Other Adjustments	Col 2 Franchise Requirements	Col 3 NOIC	Col 4 PBOPs	
24	920	$140,442,987	-$2,940,102		$143,383,089		
25	921	$2,351,967	$2,351,967		$0		
26	922	-$77,722,053	-$10,359,096		-$67,362,957		
27	923	$8,884,392	$8,884,392		$0		
28	924	$0	$0		$0		
29	925	$170,732,328	$170,732,328		$0		See Instruction 6
30	926	$2,802,914	$14,692,914		$0	-$11,890,000	See Note 3
31	927	$104,335,318	$0	$104,335,318	$0	$0	See Note 4
32	928	$9,979,028	$9,979,028		$0		
33	929	$0	$0		$0		
34	930.1	$4,498,348	$4,498,348		$0		
35	930.2	$5,999,239	$5,999,239		$0		
36	931	$12,016,813	$12,016,813		$0		
37	935	$811,672	$811,672		$0		

Changed from $74,324,198 to -$3,971,216 due to signage error of the Order 668 Transfer from O&M Accounts 569.
Changed from -$3,971,216 to -$2,940,102 due to removal of BRRBA Distribution credit adjustment from A&G to Distribution.

Changed from $8,235,606 to $8,236,088 due to removal of outside counsel cost related to employment litigation or arbitration matters which should have been excluded.
Changed from $8,236,088 to $8,963,864 due to removal of BRRBA Distribution credit adjustment from A&G to Distribution.
Changed from $8,963,864 to $8,884,392 due to EIX costs accounting change from FERC account 923 to 426.

Changed from $168,752,278 to $170,732,328 due to FERC Audit Refund related to compromise settlements.

Changed from $14,093,319 to $14,354,870 due to removal of BRRBA Distribution credit adjustment from A&G to Distribution.
Changed from $14,354,870 to $14,692,914 due to removal of non-shareholder related credit to A&G removing Pensions & Benefits Billed to Affiliates.

Changed from $5,984,741 to $5,999,239 due to removal of BRRBA Distribution credit adjustment from A&G to Distribution.

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.

Workpaper: WP Schedule 20 A&G

		Amount	Source
a	Accrued NOIC Amount:	$148,050,456	SCE Records
b	Actual A&G NOIC payout:	$4,667,367	Note 2, d
c	Adjustment:	$143,383,089	

Actual non-capitalized NOIC Payouts:

	Department	Amount	Source
d	A&G	$4,667,367	SCE Records and Workpapers
e	Other	$2,525,320	SCE Records and Workpapers
f	Trans. And Dist. Business Unit	$4,239,356	SCE Records and Workpapers
g	Total:	$11,432,043	Sum of d to f

Note 3: PBOPs Exclusion Calculation

		Amount	Note:
a	Current Authorized PBOPs Expense Amount:	$6,329,000	See instruction #4
b	Prior Year Authorized PBOPs Expense Amount:	$18,219,000	Authorized PBOPs Expense Amount during Prior Year
c	Prior Year FF1 PBOPs expense:	$6,329,000	SCE Records
d	PBOPs Expense Exclusion:	-$11,890,000	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.

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.
6) Any A&G costs associated with wildfires other than the 2017/18 Wildfire/Mudslide Events shall be reflected in A&G accounts on a cash basis during the year in which associated cash payments are made. In the event an initial cost accrual is made in a year to one or more A&G accounts 920-935, SCE shall exclude from A&G cost recovery any amount not paid in cash during that year through an entry to Column 1, Lines 24-37 of the "Itemization of Exclusions" matrix to the account in which the initial expense accrual was made. As cash payments related to the initial expense accrual are made in future years, SCE shall also include those expenses in A&G cost recovery on a cash basis through an entry to the Itemization of Exclusions matrix.

	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.	5,566,386	Traditional OOR	5,566,386	0	5,566,386	0			0	0	1
1b	450	4191115	Residential Late Payment	10,435,355	Traditional OOR	10,435,355	0	10,435,355	0			0	0	1
2	**450 Total**			**16,001,742**		**16,001,742**	**0**	**16,001,742**	**0**		**0**	**0**	**0**	
3	**FF-1 Total for Acct 450 - Forfeited Discounts, p300.16b (Must Equal Line 2)**			**16,001,742**										
4a	451	4182110	Recover Unauthorized Use/Non-Energy	104,224	Traditional OOR	104,224	0	104,224	0			0	0	1
4b	451	4182115	Miscellaneous Service Revenue - Ownership Cost	117,080	Traditional OOR	117,080	0	117,080	0			0	0	1
4c	451	4192110	Miscellaneous Service Revenues		Traditional OOR	0	0	0	0			0	0	1
4d	451	4192115	Returned Check Charges	1,559,689	Traditional OOR	1,559,689	0	1,559,689	0			0	0	1
4e	451	4192125	Service Reconnection Charges	5,733	Traditional OOR	5,733	0	5,733	0			0	0	1
4f	451	4192130	Service Establishment Charge	-140	Traditional OOR	-140	0	-140	0			0	0	1
4g	451	4192140	Field Collection Charges	25	Traditional OOR	25	0	25	0			0	0	1
4h	451	4192510	Quickcheck Revenue	-117	GRSM	0	0	0	-117	P	0	-117	0	2
4i	451	4192910	PUC Reimbursement Fee-Elect	499,048	Other Ratemaking	0	0	0	0			0	499,048	6
4j	451	4182120	Uneconomic Line Extension		Traditional OOR	0	0	0	0			0	0	1
4k	451	4192152	Opt Out CARE-Res-Ini	1,750	Other Ratemaking	0	0	0	0			0	1,750	1
4l	451	4192155	Opt Out CARE-Res-Mo	31,720	Other Ratemaking	0	0	0	0			0	31,720	1
4m	451	4192158	Opt Out NonCARE-Res-Ini	47,475	Other Ratemaking	0	0	0	0			0	47,475	1
4n	451	4192160	Opt Out NonCARE-Res-Mo	187,720	Other Ratemaking	0	0	0	0			0	187,720	1
4o	451	4192135	Conn-Charge - Residential	5,612,156	Traditional OOR	5,612,156	0	5,612,156	0			0	0	1
4p	451	4192145	Conn-Charge - Non-Residential	2,115,441	Traditional OOR	2,115,441	0	2,115,441	0			0	0	1
4q	451	4192150	Conn-Charge - At Pole	24,083	Traditional OOR	24,083	0	24,083	0			0	0	1
4r	451	4184515	NEM 2.0	3,922,175	Traditional OOR	3,922,175	0	3,922,175	0			0	0	1
4s	451	4186927	AR Service Guarantee	-864,960	Traditional OOR	-864,960	0	-864,960	0			0	0	1
4t	451	4184533	Rule 21 Fast Track Application Fee	800	Traditional OOR	800	0	800	0			0	0	1
5	**451 Total**			**13,363,900**		**12,596,305**	**0**	**12,596,305**	**-117**		**0**	**-117**	**767,713**	
6	**FF-1 Total for Acct 451 - Misc. Service Revenues, p300.17b (Must Equal Line 5)**			**13,363,900**										
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	651,462	Traditional OOR	651,462	0	651,462	0			0	0	4
10b	454	4184112	Joint Pole - Tariffed Pole Rental - Cable Cos.	5,202,846	Traditional OOR	5,202,846	0	5,202,846	0			0	0	4
10c	454	4184114	Joint Pole - Tariffed Process & Eng Fees - Cable	536,412	Traditional OOR	536,412	0	536,412	0			0	0	4
10d	454	4184120	Joint Pole - Aud - Unauth Penalty	1,154,500	Traditional OOR	1,154,500	0	1,154,500	0			0	0	4
10e	454	4184510	Joint Pole - Non-Tariffed Pole Rental	264,874	GRSM	0	0	0	264,874	P	51,713	213,161	0	2
10f	454	4184512	Joint Pole - Non-Tariff Process & Engineering Fees	35,349	GRSM	0	0	0	35,349	P	1,626	33,723	0	2
10g	454	4184514	Joint Pole - Non-Tariff Requests for Information		GRSM	0	0	0	0	P		0	0	2
10h	454	4184516	Oil And Gas Royalties	22,205	GRSM	0	0	0	22,205	P	6,751	15,453	0	2
10i	454	4184518	Def Operating Land & Facilities Rent Rev	-117,245	Traditional OOR	(117,245)	0	(117,245)	0			0	0	4
10j	454	4184810	Facility Cost -EIX/Nonutility	50,626	Other Ratemaking	3,083	3,083	0	0			0	47,543	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	1,307,369	Other Ratemaking	79,619	79,619	0	0			0	1,227,750	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	8,381,392	Traditional OOR	8,381,392	0	8,381,392	0			0	0	4
10p	454	4194120	Company Financed Interconnect Facilities	621,994	Traditional OOR	621,994	0	621,994	0			0	0	4
10q	454	4194130	SCE Financed Added Facilty	21,507,260	Traditional OOR	21,507,260	0	21,507,260	0			0	0	4
10r	454	4194135	Interconnect Facility Finance Charge	16,286,839	Traditional OOR	16,286,839	3,028,729	13,258,109	0			0	0	8
10s	454	4204515	Operating Land & Facilities Rent Revenue	22,043,789	GRSM	0	0	0	22,043,789	P	4,433,366	17,610,423	0	2
10t	454	4867020	Nonoperating Misc Land & Facilities Rent		Traditional OOR	0	0	0	0			0	0	4
10u	454	-	Miscellaneous Adjustments	(6,619)	Traditional OOR	(6,619)	0	(6,619)	0			0	0	1
10v	454	4206515	Op Misc Land/Fac Rev	1,536,588	GRSM	0	0	0	1,536,588	P	937,111	599,477	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	39,200	Traditional OOR	39,200	0	39,200	0			0	0	4
10y	454	4184821	Rent Rev NU-NonBRRBA	87,322	Other Ratemaking	5,318	5,318	0	0			0	82,004	6, 12
10z	454	4184811	Fac Cost N/U-BRRBA	756,328	Other Ratemaking	46,060	46,060	0	0			0	710,268	6, 12
10aa	454	4184515	NEM 2.0		Other Ratemaking	0	0	0	0			0	0	6
10bb	454	4184126	Joint Pole - Tarriffed - PA Inspect	1,508,000	Traditional OOR	1,508,000	0	1,508,000	0			0	0	4
10cc	454	4184526	Joint Pole - Non-Tarriff PA Inspect		GRSM	0	0	0	0			0	0	2
11	**454 Total**			**81,870,489**		**55,900,120**	**3,162,810**	**52,737,311**	**23,902,805**		**5,430,567**	**18,472,237**	**2,067,565**	
12	**FF-1 Total for Acct 454 - Rent from Elec. Property, p300.19b (Must Equal Line 11)**			**81,870,488**										

	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
12a	456	4186114	Energy Related Services		Traditional OOR	0	0	0	0			0	0	1
12b	456	4186118	Distribution Miscellaneous Electric Revenues	14,465	Traditional OOR	14,465	0	14,465	0			0	0	4
12c	456	4186120	Added Facilities - One Time Charge	814,281	Traditional OOR	814,281	0	814,281	0			0	0	4
12d	456	4186122	Building Rental - Nev Power/Mohave Cr		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	1,405,881	Traditional OOR	1,405,881	0	1,405,881	0			0	0	1
12g	456	4186130	Tule Power Plant - Revenue		Traditional OOR	0	0	0	0			0	0	3
12h	456	4186142	Microwave Agreement		Traditional OOR	0	0	0	0			0	0	4
12i	456	4186150	Utility Subs Labor Markup		Traditional OOR	0	0	0	0			0	0	7
12j	456	4186155	Non Utility Subs Labor Markup	7,276	Other Ratemaking	443	443	0	0			0	6,833	6, 12
12k	456	4186162	Reliant Eng FSA Ann Pymnt-Mandalay	1,206	Traditional OOR	1,206	0	1,206	0			0	0	4
12l	456	4186164	Reliant Eng FSA Ann Pymnt-Ormond Beach	12,102	Traditional OOR	12,102	0	12,102	0			0	0	4
12m	456	4186166	Reliant Eng FSA Ann Pymnt-Etiwanda	3,657	Traditional OOR	3,657	0	3,657	0			0	0	4
12n	456	4186168	Reliant Eng FSA Ann Pymnt-Ellwood	828	Traditional OOR	828	0	828	0			0	0	4
12o	456	4186170	Reliant Eng FSA Ann Pymnt-Coolwater	704	Traditional OOR	704	0	704	0			0	0	4
12p	456	4186194	Property License Fee revenue	208,656	Traditional OOR	208,656	0	208,656	0			0	0	4
12q	456	4186512	Revenue From Recreation, Fish & Wildlife	2,187,799	GRSM	0	0	0	2,187,799	P	192,947	1,994,853	0	2
12r	456	4186514	Mapping Services	144,785	GRSM	0	0	0	144,785	P	26,838	117,947	0	2
12s	456	4186518	Enhanced Pump Test Revenue	185,000	GRSM	0	0	0	185,000	P	9,351	175,649	0	2
12t	456	4186524	Revenue From Scrap Paper - General Office		GRSM	0	0	0	0	P		0	0	2
12u	456	4186528	CTAC Revenues		GRSM	0	0	0	0	P		0	0	2
12v	456	4186530	AGTAC Revenues		GRSM	0	0	0	0	P		0	0	2
12w	456	4186716	ADT Vendor Service Revenue	9,675	GRSM	0	0	0	9,675	A	4,141	5,534	0	2
12xx	456	4186718	Read Water Meters - Irvine Ranch		GRSM	0	0	0	0	A		0	0	2
12yy	456	4186720	Read Water Meters - Rancho California		GRSM	0	0	0	0	A		0	0	2
12zz	456	4186722	Read Water Meters - Long Beach		GRSM	0	0	0	0	A		0	0	2
12aa	456	4186730	SSID Transformer Repair Services Revenue		GRSM	0	0	0	0	A		0	0	2
12bb	456	4186815	Employee Transfer/Affiliate Fee	22,232	Other Ratemaking	0	0	0	0			0	22,232	6
12cc	456	4186910	ITCC/CIAC Revenues	23,711,311	Traditional OOR	23,711,311	0	23,711,311	0			0	0	4
12dd	456	4186912	Revenue From Decommission Trust Fund		Other Ratemaking	0	0	0	0			0	0	6
12ee	456	4186914	Revenue From Decommissioning Trust FAS115		Other Ratemaking	0	0	0	0			0	0	6
12ff	456	4186916	Offset to Revenue from NDT Earnings/Realized		Other Ratemaking	0	0	0	0			0	0	6
12gg	456	4186918	Offset to Revenue from FAS 115 FMV		Other Ratemaking	0	0	0	0			0	0	6
12hh	456	4186920	Revenue From Decommissioning Trust FAS115-1		Other Ratemaking	0	0	0	0			0	0	6
12ii	456	4186922	Offset to Revenue from FAS 115-1 Gains & Loss		Other Ratemaking	0	0	0	0			0	0	6
12jj	456	4188712	Power Supply Installations - IMS		GRSM	0	0	0	0	A		0	0	2
12kk	456	4188714	Consulting Fees - IMS		GRSM	0	0	0	0	A		0	0	2
12ll	456	4196105	DA Revenue	160,460	Traditional OOR	160,460	0	160,460	0			0	0	1
12mm	456	4196158	EDBL Customer Finance Added Facilities	5,488,781	Traditional OOR	5,488,781	0	5,488,781	0			0	0	4
12nn	456	4196162	SCE Energy Manager Fee Based Services	132,812	Traditional OOR	132,812	0	132,812	0			0	0	4
12oo	456	4196166	SCE Energy Manager Fee Based Services Adj		Traditional OOR	0	0	0	0			0	0	4
12pp	456	4196172	Off Grid Photo Voltaic Revenues		Traditional OOR	0	0	0	0			0	0	1
12qq	456	4196174	Scheduling/Dispatch Revenues		Traditional OOR	0	0	0	0			0	0	4
12rr	456	4196176	Interconnect Facilities Charges-Customer Financed	3,221,705	Traditional OOR	3,221,705	24,537	3,197,168	0			0	0	8
12ss	456	4196178	Interconnect Facilities Charges - SCE Financed	14,232,879	Traditional OOR	14,232,879	0	14,232,879	0			0	0	4
12tt	456	4196184	DMS Service Fees	2,545	Traditional OOR	2,545	0	2,545	0			0	0	4
12uu	456	4196188	CCA - Information Fees	1,477,355	Traditional OOR	1,477,355	0	1,477,355	0			0	0	6
12vv	456	-	Miscellaneous Adjustments		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	421,170,202	Other Ratemaking	0	0	0	0			0	421,170,202	6
12yy	456	4186132	Intercon One Time	-474,020	Traditional OOR	-474,020	0	-474,020	0			0	0	4
12zz	456	4186116	EV Charging Revenue		Traditional OOR	0	0	0	0			0	0	4
12aaa	456	4186115	Energy Reltd Srv-TSP	1,105,062	Traditional OOR	1,105,062	0	1,105,062	0			0	0	4
12bbb	456	4186156	N/U Labor Mrkp-BRRBA	108,809	Other Ratemaking	6,626	6,626	0	0			0	102,183	6, 12
12ccc	456	4188720	LCFS CR 411.8	82,001,190	Traditional OOR	82,001,190	0	82,001,190	0			0	0	4
12ddd	456	4186128	Miscellaneous Revenues - ISO		Traditional OOR	0	0	0	0			0	0	5
12eee	456	4186732	Power Quality C&I Customer Program	64,000	GRSM	0	0	0	64,000	P	0	64,000	0	2
12fff	456	4171023	Gas Sales - ERRA	14,926,743	Other Ratemaking	0	0	0	0			0	14,926,743	6
12ggg	456	4186182	Miscellaneous Electric Revenue - ERRA	60,000	Other Ratemaking	0	0	0	0			0	60,000	6
12hhh	456	4186119	PUCRF Rate Adjustment - Electric	-688,485	Traditional OOR	-688,485	0	-688,485	0			0	0	1
12iii	456	4186188	Utility Earnings - Mono Power Co	45	Traditional OOR	45	0	45	0			0	0	1
13	**456 Total**			**575,074,017**		**132,840,647**	**31,607**	**132,809,040**	**2,591,260**		**233,277**	**2,357,983**	**439,642,110**	
14	**FF-1 Total for Acct 456 - Other electric Revenues, p300.21b (Must Equal Line 13)**			**575,074,017**										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
							Traditional OOR				GRSM		Other Ratemaking	
Line	FERC ACCT	ACCT	ACCT DESCRIPTION	DOLLARS	Category	Total	ISO	Non-ISO	Total	A/P	Threshold [10]	Incremental	Total	Notes
15a	456.1	4188112	Trans of Elec of Others - Pasadena		Traditional OOR	0	0	0	0			0	0	5
15b	456.1	4188114	FTS PPU/Non-ISO	296,028	Traditional OOR	296,028	0	296,028	0			0	0	4
15c	456.1	4188116	FTS Non-PPU/Non-ISO	898,963	Traditional OOR	898,963	0	898,963	0			0	0	4
15d	456.1	4188812	ISO-Wheeling Revenue - Low Voltage	119,429	Other Ratemaking	0	0	0	0			0	119,429	6
15e	456.1	4188814	ISO-Wheeling Revenue - High Voltage	67,845,821	Other Ratemaking	0	0	0	0			0	67,845,821	6
15f	456.1	4188816	ISO-Congestion Revenue	.	Other Ratemaking	0	0	0	0			0	.	6
15g	456.1	4198110	Transmission of Elec of Others	41,782,080	Traditional OOR	41,782,080	41,782,080	0	0			0	0	5
15h	456.1	4198112	WDAT	8,673,499	Traditional OOR	8,673,499	0	8,673,499	0			0	0	4
15i	456.1	4198114	Radial Line Rev-Base Cost - Reliant Coolwater		Traditional OOR	0	0	0	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	104,853	Traditional OOR	104,853	0	104,853	0			0	0	4
15m	456.1	4198122	Radial Line Rev-O&M - Reliant Coolwater		Traditional OOR	0	0	0	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	207,840	Traditional OOR	207,840	0	207,840	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	96,304	Traditional OOR	96,304	0	96,304	0			0	0	4
15s	456.1	4198134	Radial Line Agreement-O&M-Mojave Solr	198,435	Traditional OOR	198,435	0	198,435	0			0	0	4
15t	456.1	4188716	ISO Non-Refundable Interconnection Deposit	3,673,523	Other Ratemaking	0	0	0	0			0	3,673,523	6
15u	456.1	4198910	RSR - Non-PTO's - RSBA	-49,391	Other Ratemaking	0	0	0	0			0	-49,391	6
15v	456.1	4171022	Transmission Sales - ERRA	66	Other Ratemaking	0	0	0	0			0	66	6
15w	456.1	4171032	Transmission Sales - PABA	7,927,800	Other Ratemaking	0	0	0	0			0	7,927,800	
16	**456.1 Total**			**132,871,219**		**53,353,972**	**41,782,080**	**11,571,892**	**0**		**0**	**0**	**79,517,247**	
17	**FF-1 Total for Account 456.1 - Revenues from Trans. Of Electricity of Others, p300.22b (Must Equal Line 16)**			**132,871,219**										
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	559,488	GRSM	0	0	0	559,488	P	107,733	451,755	0	2
24b	417	4862110	ECS - Dark Fiber	7,559,002	GRSM	0	0	0	7,559,002	A	1,315,528	6,243,474	0	2
24c	417	4862115	ECS - SCE Net Fiber	1,855,335	GRSM	0	0	0	1,855,335	A	675,023	1,180,312	0	2
24d	417	4862120	ECS - Transmission Right of Way	273,148	GRSM	0	0	0	273,148	A	57,552	215,597	0	2
24e	417	4862135	ECS - Wholesale FCC	17,258,545	GRSM	0	0	0	17,258,545	A	3,748,869	13,509,675	0	2
24f	417	4864115	ECS - EU FCC Rev	296,586	GRSM	0	0	0	296,586	A	44,788	251,798	0	2
24g	417	4862125	ECS - Cell Site Rent and Use (Active)	14,435,820	GRSM	0	0	0	14,435,820	A	2,934,082	11,501,738	0	2
24h	417	4862130	ECS - Cell Site Reimbursable (Active)	1,509,878	GRSM	0	0	0	1,509,878	A	418,329	1,091,549	0	2
24i	417	4863120	ECS - Communication Sites	298,522	GRSM	0	0	0	298,522	P	73,590	224,933	0	2
24j	417	4863110	ECS - Cell Site Rent and Use (Passive)	3,695,038	GRSM	0	0	0	3,695,038	P	777,298	2,917,739	0	2
24k	417	4863115	ECS - Cell Site Reimbursable (Passive)	357,178	GRSM	0	0	0	357,178	P	50,117	307,061	0	2
24l	417	4863125	ECS - Micro Cell	1,608,483	GRSM	0	0	0	1,608,483	P	372,190	1,236,293	0	2
24m	417	4864120	ECS - End User Universal Service Fund Fee	74,441	GRSM	0	0	0	74,441	A	11,790	62,651	0	2
24n	417	4864116	ECS - Instrastate End User Revenue	1,712,720	GRSM	0	0	0	1,712,720	A	345,613	1,367,107	0	2
24o	417	4864121	ECS - Intrastate End User Fees	137,285	GRSM	0	0	0	137,285	A	27,707	109,578	0	2
24p	417	4864117	ECS - Interstate End User Tax Exempt	207,555	GRSM	0	0	0	207,555	A	38,987	168,568	0	2
24q	417	4864122	ECS- EU USAC E-Rate	45,640	GRSM	0	0	0	45,640	A	8,349	37,291	0	2
24r	417	4864200	ECS - DF EU Interstate	6,216	GRSM	0	0	0	6,216	A	0	6,216	0	2
24s	417	4864201	ECS - DF EU Intrastate	55,916	GRSM	0	0	0	55,916	A	0	55,916	0	2
24t	417	4864202	ECS - DF EU Interstate USAC E-Rate	60,177	GRSM	0	0	0	60,177	A	0	60,177	0	2
24u	417	4864203	ECS - DF EU Interstate CTF	6,216	GRSM	0	0	0	6,216	A	0	6,216	0	2
24v	417	4862105	ECS-Fin Chrg	36,783	GRSM	0	0	0	36,783	A	0	36,783	0	2
24w	417	4863135	ECS - Pass Pole Attachments	1,151	GRSM	0	0	0	1,151	P	0	1,151	0	2
24x	417	4864123	ECS - LIT EU Interstate CTF	964	GRSM	0	0	0	964	A	0	964	0	2
24y	417	4864124	ECS - LIT EU Interstate USAC E-Rate	36,432	GRSM	0	0	0	36,432	A	0	36,432	0	2
24z	417	4864125	ECS - LIT EU Interstate CTF	6,447	GRSM	0	0	0	6,447	A	0	6,447	0	2
25	**417 ECS Total**			**52,094,966**		**0**	**0**	**0**	**52,094,966**		**11,007,545**	**41,087,421**	**0**	
26	**417 Other**			**9,384,162**										
27	**FF-1 Total for Account 417 - Revenues From Nonutility Operations p117.33c (Must Equal Line 25 + 26)**			**61,479,128**										

	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
	Subsidiaries													
28a	418.1		ESI (Gross Revenues - Active)		GRSM	0	0	0	0	A		0	0	2,9
28b	418.1		ESI (Gross Revenues - Passive)		GRSM	0	0	0	0	P		0	0	2,9
28c	418.1		Southern States Realty		GRSM	0	0	0	0	P		0	0	2, 15
28d	418.1		Mono Power Company		Traditional OOR	0	0	0	0			0	0	13
28e	418.1		Edison Material Supply (EMS)	-201,421	Traditional OOR	-201,421	-12,267	-189,154	0			0	0	7, 17
29	**418.1 Subsidiaries Total**			**-201,421**		**-201,421**	**-12,267**	**-189,154**	**0**		**0**	**0**	**0**	
30	**418.1 Other (See Note 16)**			**200,360**										
31	**FF-1 Total for Account 418.1 -Equity in Earnings of Subsidiary Companies, p117.36c (Must Equal Line 29 + 30)**			**-1,061**										
32			**Totals**	**871,074,912**		**270,491,365**	**44,964,230**	**225,527,135**	**78,588,913**		**16,671,389**	**61,917,524**	**521,994,634**	

			Calculation
33	Ratepayers' Share of Threshold Revenue	16,671,389	= Line 32K
34	ISO Ratepayers' Share of Threshold Revenue	5,425,126	Note 11
35			
36	Total Active Incremental Revenue	35,954,023	= Sum Active categories in column L
37	Ratepayers' Share of Active Incremental Revenue	3,595,402	= Line 36D * 10%
38	Total Passive Incremental Revenue	25,963,501	= Sum Passive categories in column L
39	Ratepayers' Share of Passive Incremental Revenue	7,789,050	= Line 38D * 30%
40	Total Ratepayers' Share of Incremental Revenue	11,384,453	= Line 37D + Line 39D
41	ISO Ratepayers' Share of Incremental Revenue (%)	32.54%	see Note 11
42	ISO Ratepayers' Share of Incremental Revenue	3,704,676	= Line 40D * Line 41D
43	**Tot. ISO Ratepayers' Share NTP&S Gross Rev.**	**9,129,803**	= Line 34D + Line 42D

		Amount	Calculation
44	**Total Revenue Credits:**	$54,094,032	Sum of Column D, Line 43 and Column G, Line 32

Notes:

1- CPUC Jurisdictional service related.

2- 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.

3- Generation related.

4- Non-ISO facilities related.

5- ISO transmission system related.

6- Subject to balancing account treatment

7- 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

8- ISO portion of Traditional OOR relates to monthly revenues received from customers for facilities that are part of the ISO network.

9- 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.

10- The first $16,671,389 million in gross revenues generated by GRSM activities are automatically classified as Threshold Revenue.

11- 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%.

12- 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

13- 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.

14- 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.

15- 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.

16- For subsidiaries that are subject to GRSM, Column D contains gross revenues. Input on Line 30D contains the associated expenses.

17- 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

Workpaper: WP Schedule 22 Prior Year: 2019

1) Beginning of Year Balances: (Note 1)

Line		Balance	Notes
1	Outstanding Network Upgrade Credits Recorded in FERC Acct 252	$64,560,041	See Note 1
2	Acct 252 Other	$110,833,276	Line 3 - Line 1
3	Total Acct 252 - Customer Advances for Construction	$175,393,317	FF1 113.56d

2) End of Year Balances: (Note 2)

4	Outstanding Network Upgrade Credits Recorded in FERC Acct 252	$36,762,569	See Note 3
5	Acct 252 Other	$144,313,294	Line 6 - Line 4
6	Total Acct 252 - Customer Advances for Construction	$181,075,863	FF1 113.56c
7	Average Outstanding Network Upgrade Credits Beginning and End of Year	$50,661,305	(Line 1 + Line 4) / 2
8	Interest On Network Upgrade Credits Recorded in FERC Acct 242	$4,075,484	See Note 4
9	Acct 242 Other	$728,407,325	Line 10 - Line 8
10	Total Acct 242 - Miscellaneous Current and Accrued Liabilities	$732,482,809	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

Other Regulatory Assets/Liabilities are a component of Rate Base representing costs that are created resulting from the ratemaking actions of regulatory agencies. Pursuant to the Commission's Uniform System of Accounts, these items include amounts recorded in accounts 182.x and 254. This Schedule shall not include any costs recovered through Schedule 12.

SCE shall include a non-zero amount of Other Regulatory Assets/Liabilities only with Commission approval received subsequent to an SCE Section 205 filing requesting such treatment.

Amortization and Regulatory Debits/Credits are amounts approved for recovery in this formula transmission rate representing the approved annual recovery of Other Regulatory Assets/Liabilities as an expense item in the Base TRR, consistent with a Commission Order.

Line		Prior Year Amount	Calculation or Source
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

	Description of Issue Resulting in Other Regulatory Asset/Liability	Col 1 Prior Year BOY Other Reg Asset/Liability	Col 2 Prior Year EOY Other Reg Asset/Liability	Col 3 Prior Year Amortization or Regulatory Debit/Credit	Commission Order Granting Approval of Regulatory Liability
17					
18					
19					
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:

Line	Project	Col 1 Prior Year EOY Amount	Col 2 Prior Year Average Amount	Col 3 Forecast Period Amount	Source
1	Tehachapi:	$157,683	$156,780	-$157,683	10-CWIP, Lines 13, 14, 80
2	Devers to Colorado River:	$0	$0	$0	10-CWIP, Lines 13, 14, 106
3	South of Kramer:	$5,584,199	$5,454,201	$21,500	10-CWIP, Lines 13, 14, 132
4	West of Devers:	$468,121,963	$355,612,331	-$419,183,167	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:	$301,247	$88,742	$4,760,154	10-CWIP, Lines 27, 28, 236
8	Mesa:	$49,854,943	$144,167,446	$50,282,478	10-CWIP, Lines 27, 28, 262
9	Alberhill:	$22,001,340	$21,080,305	$831,535	10-CWIP, Lines 27, 28, 288
10	ELM Series Caps:	$101,741,830	$75,625,384	-$8,452,844	10-CWIP, Lines 27, 28, 314
11	Riverside:	$0	$0	$0	10-CWIP, Lines 27, 28, 340
12		$0	---	$0	10-CWIP, Lines 27, 28, 366
13	Totals:	$647,763,205	$602,185,189	-$371,898,028	Sum of Lines 1 to 12

b) Return:

		EOY Amount	Average Amount	Source
14	CWIP Amount:	$647,763,205	$602,185,189	Line 13
15	Cost of Capital Rate:	7.3722%	7.3722%	1-BaseTRR, Line 54
16	Cost of Capital:	$47,754,613	$44,394,495	Line 14 * Line 15

c) Income Taxes

		EOY Amount	Average Amount	Source
17	CWIP Amount:	$647,763,205	$602,185,189	Line 13
18	Equity ROR w Preferred Stock ("ER"):	5.3095%	5.3095%	1-BaseTRR, Line 55
19	Composite Tax Rate:	27.9836%	27.9836%	1-BaseTRR, Line 59
20	Income Taxes:	$13,364,264	$12,423,926	Formula on Line 22
21				
22	Income Taxes = [(RB * ER) * (CTR/(1 – CTR)], or [(L14 * L18) * (L19 / (1 - L19)]			
23	(No "Credits and Other" or "AFUDC" Terms, since these are not related to CWIP)			
24				

d) ROE Incentives:

		Value	Source
25	IREF =	$6,596	15-IncentiveAdder, Line 3

1) Tehachapi

		EOY Amount	Average Amount	
26	Tehachapi CWIP Amount:	$157,683	$156,780	Line 1
27	ROE Adder %:	1.25%	1.25%	15-IncentiveAdder, Line 5
28	ROE Adder $:	$1,300	$1,293	Formula on Line 33

2) Devers to Colorado River

		EOY Amount	Average Amount	
29	DCR CWIP Amount:	$0	$0	Line 2
30	ROE Adder %:	1.00%	1.00%	15-IncentiveAdder, Line 6
31	ROE Adder $:	$0	$0	Formula on Line 33
32				
33	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
34	Return:	$47,754,613	$44,394,495	Line 16
35	Income Taxes:	$13,364,264	$12,423,926	Line 20
36	ROE Adder Tehachapi:	$1,300	$1,293	Line 28
37	ROE Adder DCR:	$0	$0	Line 31
38	FF&U:	$695,675	$525,473	Note 1
39	Total:	$61,815,852	$57,345,187	Sum Lines 34 to 38

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

1) Contribution to the Prior Year TRR

	Project	Col 1 Cost of Capital	Col 2 Income Taxes	Col 3 ROE Adder	Col 4 FF&U	Col 5 = Sum C1 to C4 Total	Source
40	Tehachapi:	$11,625	$3,253	$1,300	$184	$16,362	Note 2
41	Devers to Colorado River:	$0	$0	$0	$0	$0	Note 2
42	South of Kramer:	$411,680	$115,210	$0	$5,997	$532,887	Note 2
43	West of Devers:	$34,511,042	$9,658,013	$0	$502,736	$44,671,791	Note 2
44	Red Bluff:	$0	$0	$0	$0	$0	Note 2
45	Whirlwind Sub Expansion:	$0	$0	$0	$0	$0	Note 2
46	Colorado River Sub Expansion:	$22,209	$6,215	$0	$324	$28,747	Note 2
47	Mesa:	$3,675,423	$1,028,577	$0	$53,541	$4,757,541	Note 2
48	Alberhill:	$1,621,990	$453,919	$0	$23,628	$2,099,537	Note 2
49	ELM Series Caps:	$7,500,645	$2,099,077	$0	$109,265	$9,708,986	Note 2
50	Riverside:	$0	$0	$0	$0	$0	Note 2
51		---	---	---	---	---	Note 2
52	Totals:	$47,754,613	$13,364,264	$1,300	$695,675	$61,815,852	Sum L 40 to L 51

2) Contribution to the True Up TRR

	Project	Col 1 Cost of Capital	Col 2 Income Taxes	Col 3 ROE Adder	Col 4 FF&U	Col 5 = Sum C1 to C4 Total	Source
53	Tehachapi:	$11,558	$3,235	$1,293	$183	$16,268	Note 3
54	Devers to Colorado River:	$0	$0	$0	$0	$0	Note 3
55	South of Kramer:	$402,096	$112,528	$0	$5,857	$520,482	Note 3
56	West of Devers:	$26,216,570	$7,336,782	$0	$381,907	$33,935,258	Note 3
57	Red Bluff:	$0	$0	$0	$0	$0	Note 3
58	Whirlwind Sub Expansion:	$0	$0	$0	$0	$0	Note 3
59	Colorado River Sub Expansion:	$6,542	$1,831	$0	$95	$8,468	Note 3
60	Mesa:	$10,628,360	$2,974,377	$0	$154,828	$13,757,564	Note 3
61	Alberhill:	$1,554,089	$434,916	$0	$22,639	$2,011,645	Note 3
62	ELM Series Caps:	$5,575,280	$1,560,258	$0	$81,217	$7,216,755	Note 3
63	Riverside:	$0	$0	$0	$0	$0	Note 3
64		---	---	---	---	---	Note 3
65	Totals:	$44,394,495	$12,423,926	$1,293	$646,727	$57,466,441	Sum of L 53 to 64

2) Contribution from the Incremental Forecast Period TRR

a) Total of all CWIP projects

		Value	Source
66	Forecast Period Incremental CWIP:	-$371,898,028	Line 13, Col 3
67	AFCRCWIP:	9.435%	2-IFPTRR, Line 16
68	CWIP component of IFPTRR without FF&U:	-$35,089,968	Line 66 * Line 67
69	FF&U:	-$399,397	Line 68 * (28-FFU, L5 FF Factor + U Factor)
70	CWIP component of IFPTRR including FF&U:	-$35,489,365	Line 68 + Line 69

b) Individual Project Contribution

	Project	Amount wo FF&U	Amount with FF&U	Source
71	Tehachapi:	-$14,878	-$15,047	Note 4
72	Devers to Colorado River:	$0	$0	Note 4
73	South of Kramer:	$2,029	$2,052	Note 4
74	West of Devers:	-$39,551,497	-$40,001,676	Note 4
75	Red Bluff:	$0	$0	Note 4
76	Whirlwind Sub Expansion:	$0	$0	Note 4
77	Colorado River Sub Expansion:	$449,138	$454,250	Note 4
78	Mesa:	$4,744,340	$4,798,340	Note 4
79	Alberhill:	$78,458	$79,351	Note 4
80	ELM Series Caps:	-$797,557	-$806,635	Note 4
81	Riverside:	$0	$0	Note 4
82		---	---	Note 4
83	Totals:	-$35,089,968	-$35,489,365	Sum of Lines 71 to 82

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

a) Total of all CWIP projects

		Value	Source
84	PY Total Return, Taxes, Incentive:	$61,120,177	Sum Line 34 to 37
85	CWIP component of IFPTRR wo FF&U:	-$35,089,968	Line 68
86	Total without FF&U:	$26,030,210	Line 84 + Line 85
87	FF Factor:	0.9248%	28-FFU, Line 5
88	U Factor:	0.2134%	28-FFU, Line 5
89	Franchise Fees Amount:	$240,729	Line 86 * Line 87
90	Uncollectibles Amount:	$55,549	Line 86 * Line 88
91	Total Contribution of CWIP to Retail Base TRR:	$26,326,488	Line 86 + Line 89 + Line 90
92	Total Contribution of CWIP to Wholesale Base TRR:	$26,270,939	Line 86 + Line 89

b) Individual CWIP Project Contribution to the Retail Base TRR

		Col 1 PYTRR wo FF&U	Col 2 IFPTRR wo FF&U	Col 3 FF&U	Col 4 Total	Source
93	Tehachapi:	$16,178	-$14,878	$15	$1,315	Note 5
94	Devers to Colorado River:	$0	$0	$0	$0	Note 5
95	South of Kramer:	$526,890	$2,029	$6,020	$534,939	Note 5
96	West of Devers:	$44,169,055	-$39,551,497	$52,557	$4,670,116	Note 5
97	Red Bluff:	$0	$0	$0	$0	Note 5
98	Whirlwind Sub Expansion:	$0	$0	$0	$0	Note 5
99	Colorado River Sub Expansion:	$28,424	$449,138	$5,436	$482,998	Note 5
100	Mesa:	$4,704,000	$4,744,340	$107,542	$9,555,881	Note 5
101	Alberhill:	$2,075,909	$78,458	$24,521	$2,178,888	Note 5
102	ELM Series Caps:	$9,599,722	-$797,557	$100,187	$8,902,351	Note 5
103	Riverside:	$0	$0	$0	$0	Note 5
104		---	---	---	---	Note 5
105	Totals:	$61,120,177	-$35,089,968	$296,278	$26,326,488	

c) Individual CWIP Project Contribution to the Wholesale Base TRR

		Col 1 PYTRR wo FF&U	Col 2 IFPTRR wo FF&U	Col 3 FF	Col 4 Total	Source
106	Tehachapi:	$16,178	-$14,878	$12	$1,312	Note 6
107	Devers to Colorado River:	$0	$0	$0	$0	Note 6
108	South of Kramer:	$526,890	$2,029	$4,891	$533,810	Note 6
109	West of Devers:	$44,169,055	-$39,551,497	$42,704	$4,660,262	Note 6
110	Red Bluff:	$0	$0	$0	$0	Note 6
111	Whirlwind Sub Expansion:	$0	$0	$0	$0	Note 6
112	Colorado River Sub Expansion:	$28,424	$449,138	$4,417	$481,979	Note 6
113	Mesa:	$4,704,000	$4,744,340	$87,379	$9,535,719	Note 6
114	Alberhill:	$2,075,909	$78,458	$19,924	$2,174,291	Note 6
115	ELM Series Caps:	$9,599,722	-$797,557	$81,403	$8,883,567	Note 6
116	Riverside:	$0	$0	$0	$0	Note 6
117		---	---	---	---	Note 6
118	Totals:	$61,120,177	-$35,089,968	$240,729	$26,270,939	

Notes:

1) (Sum Lines 34 to 37) * (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 16 based on fraction of project CWIP Balances on Lines 1 to 13, Col 1.
   Project Income Taxes is a fraction of total Income on Line 20 based on fraction of project CWIP Balances on Lines 1 to 13, Col 1.
   ROE Adder is from Lines 36 and 37. 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 16 based on fraction of project CWIP Balances on Lines 1 to 13, Col 2.
   Project Income Taxes is a fraction of total Income on Line 20 based on fraction of project CWIP Balances on Lines 1 to 13, Col 2.
   ROE Adder is from Lines 36 and 37. 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 13, Col 3.
5) Column 1 is from Lines 40 to 51, Sum of Column 1-3 (no FF&U).
   Column 2 is from Lines 71 to 82 (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

Workpaper: WP Schedule 25 Wholesale Difference 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:

Line		Rate Base Difference	Expense (Amortization) Difference	Expense Tax Impact
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:

		Data Source		Col 1 2010 Rate Base Difference (Wholesale less Retail)	Col 2 Annual Change (Amortization)
7	1) Accumulated Depreciation	Fixed values		$31,556,000	-$2,176,300
8	2) Taxes Deferred - Make Up Adjustment	Fixed values		-$35,044,000	$2,503,000
9	3) Excess Deferred Taxes	Fixed values		-$624,650	$43,100
10	4) Taxes Deferred - Acct. 282 ACRS/MACRS	Fixed values		-$7,410,000	$511,200
11			Totals:	-$11,522,650	$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.

		Data Source	Value	Notes/Instructions
12	Fixed Charge Rate	2-IFPTRR Line 16	9.44%	1
13	Prior Year		2019	2
14	Wholesale Rate Base Difference for Prior Year		-$3,593,650	3
15	Wholesale Rate Base Adjustment	Line 14 * Line 12	-$339,074	

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

		Source	Value
16	South Georgia Amortization	Line 8	$2,503,000
17	Composite Tax Rate ("CTR")	1-BaseTRR L 59	27.984%
18	Tax Gross Up Factor	(1/(1-CTR))	1.3886
19	Wholesale South Georgia		
20	Income Tax Adjustment to the TRR:	- Line 16 * Line 18	-$3,475,597

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

		Source	Value
21	Annual Amort. of "Excess Deferred Taxes":	Line 9	$43,100
22	Tax Gross Up Factor	Line 18	1.3886
23	Excess Deferred Taxes Grossed Up for Income Taxes:	- Line 21 * Line 22	-$59,847
24			

c) Calculation of EPRI and EEI Dues Exclusion

		Source		Notes/Instructions
27	EPRI Dues	SCE Records	$0	Note 5
28	EEI Dues	SCE Records	$55,939	Note 5
29	Sum of EPRI and EEI Dues	Line 27 + 28	$55,939	
30	Transmission Wages and Salaries Allocation Factor	27-Allocators, Line 9	6.5681%	
31	EPRI and EEI Dues Exclusion	Line 29 * 30	$3,674	

d) Total Expense Difference

				Notes/Instructions
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	-$3,674	
37	6) Additional Expense Difference		$2,335	Note 6
38		Total Expense Difference:	-$1,871,684	

3) Calculation of the Wholesale Difference to the Base TRR

		Source	Value	
39	Wholesale Rate Base Adjustment	Line 15	-$339,074	
40	Expense Difference	Line 38	-$1,871,684	
41	Uncollectibles Expense -- Prior Year TRR	- 1-Base TRR, L 80	-$2,217,747	
42	Uncollectibles Expense -- IFPTRR	- 2-IFPTRR, L 80	-$209,805	
43	Subtotal:	Sum Line 39 to Line 42	-$4,638,310	
44	Franchise Fee Exclusion		-$20,445	Note 4
45	Wholesale Difference to the Base TRR:	Line 43 + Line 44	-$4,658,756	

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

Line	Rate Year	Federal Income Tax Rate ("FITR")		Source
1	2021	21.00%	Note 1, Note 4	

2) Composite State Income Tax Rate

Line	Rate Year	State Income Tax Rate ("CSITR")		Source
8	2021	8.8400%	Note 2	

3) Capitalized Overhead portion of Electric Payroll Tax Expense

		Amount
14	Total Electric Payroll Tax Expense (From 1-BaseTRR, Line 31)	$127,234,578
15	Capitalization Rate (Note 3)	45.5%
16	Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 * Line 15)	$57,891,733
17	Non-Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 - Line 16)	$69,342,845

Notes:

1) Federal Source Statute: Internal Revenue Code § 11.b

2) California State Source Statue: California Rev. & Tax. Cd. § 23151

3) Capitalization Rate approved in: CPUC D. 19-05-20
For the following Prior Years: 2018 – 2020

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

Workpaper: WP Schedule 27 ISO Allocators

1) Calculation of Transmission Wages and Salaries Allocation Factor

Line		Notes	FERC Form 1 Reference or Instruction	Prior Year Value
1	ISO Transmission Wages and Salaries		19-OandM Line 91, Col. 7	$39,727,922
2	Total Wages and Salaries		FF1 354.28b	$801,074,308
3	Less Total A&G Wages and Salaries		FF1 354.27b	$202,973,544
4	Total Wages and Salaries wo A&G		Line 2 - Line 3	$598,100,764
5	Total NOIC (Non-Officer Incentive Compensation)		20-AandG, Note 2	$11,432,043
6	Less A&G NOIC		20-AandG, Note 2	$4,667,367
7	NOIC wo A&G NOIC		Line 5 - Line 6	$6,764,676
8	Total non-A&G W&S with NOIC		Line 4 + Line 7	$604,865,440
9	Transmission Wages and Salary Allocation Factor		Line 1 / Line 8	6.5681%
10				

2) Calculation of Transmission Plant Allocation Factor

		Notes	FERC Form 1 Reference or Instruction	Prior Year Value
14	Transmission Plant - ISO		7-PlantStudy, Line 21	$9,285,531,121
15	Distribution Plant - ISO		7-PlantStudy, Line 30	$0
16	Total Electric Miscellaneous Intangible Plant		6-PlantInService, Line 21, C2	$1,253,827,471
17	Electric Miscellaneous Intangible Plant - ISO		Line 16 * Line 9	$82,352,135
18	Total General Plant		6-PlantInService, Line 21, C1	$3,238,857,833
19	General Plant - ISO		Line 18 * Line 9	$212,730,112
20	Total Plant In Service		FF1 207.104g	$51,320,942,976
21				
22	Transmission Plant Allocation Factor		(L14 + L15 + L17 + L19) / L20	18.6680%
23				

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

	a) Line Miles	Values		Notes	Applied to Accounts
27	ISO Line Miles	5,708			563 –Overhead Line Expenses - Allocated
28	Non-ISO Line Miles	6,452			567 - Line Rents - Allocated
29	Total Line Miles	12,160	= L27 + L28		571 - Maintenance of Overhead Lines - Allocated
30	Line Miles Percent ISO	46.9%	= L27 / L29		
31					
32	b) Underground Line Miles	Values		Notes	Applied to Accounts
33	ISO Underground Line Miles	5			564 - Underground Line Expense
34	Non-ISO Underground Line Miles	363			572 - Maintenance of Underground Transmission Lines
35	Total Undergound Line Miles	368	= L33 + L34		
36	Underground Line Miles Percent ISO	1.3%	= L33 / L35		
37					
38	c) Circuit Breakers	Values		Notes	Applied to Accounts
39	ISO Circuit Breakers	1,259			All Other Non 0% or 100% Transmission O&M Accounts
40	Non-ISO Breakers	2,080			
41	Total Circuit Breakers	3,339	= L39 + L40		
42	Circuit Breakers Percent ISO	37.7%	= L39 / L41		
43					
44	d) Distribution Circuit Breakers	Values		Notes	Applied to Accounts
45	ISO Distribution Circuit Breakers	0			582 - Station Expenses
46	Non-ISO Distribution Circuit Breakers	8,844			590 - Maintenance Supervision and Engineering
47	Total Distribution Circuit Breakers	8,844	= L45 + L46		591 - Maintenance of Structures
48	Distribution Circuit Breakers Percent ISO	0.0%	= L45 / L47		592 - Maintenance of Station Equipment

Franchise Fees and Uncollectibles Expense Factors

Workpaper: WP - Schedule 28 FFU

1) Approved Franchise Fee Factor(s)

Inputs are shaded yellow

Line	From	To	Days in Prior Year	FF Factor	Reference
1	2019	Present	365	0.92481%	Schedule 28 - Workpaper Line 3
2					

2) Approved Uncollectibles Expense Factor(s)

	From	To	Days in Prior Year	U Factor	Reference
3	2019	Present	365	0.21340%	Schedule 28 - Workpaper Line 4
4					

3) FF and U Factors

	Prior Year	FF Factor	U Factor	Notes
5	2019	0.92481%	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.

	Percent	Calculation
Prior Year FF Factor:	0.92481%	((L1 FF Factor * L1 Days) + (L2 FF Factor * L2 Days))/(L1+L2 Days)
Prior Year U Factor:	0.21340%	((L3 U Factor * L3 Days) + (L4 U Factor * L4 Days))/(L3+L4 Days)

CALCULATION OF SCE WHOLESALE HIGH AND LOW VOLTAGE TRRS

Inputs are shaded yellow

Line	TRR Values		Notes	Source	
1	$1,092,808,171	= Wholesale Base TRR		1-BaseTRR, Line 89	
2	-$91,053,969	= Total Wholesale TRBAA	Note 1	2021 TRBAA	ER21-261
3	-$90,700,417	= HV Wholesale TRBAA		2021 TRBAA	ER21-261
4	-$353,552	= LV Wholesale TRBAA		2021 TRBAA	ER21-261
5	-$8,285,402	= Total Standby Transmission Revenues	Note 2	SCE Retail Standby Rate Revenue	
6	97.0482%	= HV Allocation Factor		31-HVLV, Line 37	
7	2.9518%	= LV Allocation Factor		31-HVLV, Line 37	

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

		Col 1	Col 2	Col 3	
		TOTAL	High Voltage	Low Voltage	Source
8	**Wholesale Base TRR:**	$1,092,808,171	$1,060,550,176	$32,257,995	See Note 3
9	**CWIP Component of Wholesale Base TRR:**	$26,270,939	$26,270,939	$0	See Note 4
10	**Non-CWIP Component of Wholesale Base TRR:**	$1,066,537,232	$1,034,279,237	$32,257,995	See Note 5
11	**Wholesale TRBAA:**	-$91,053,969	-$90,700,417	-$353,552	Lines 2 to 4
12	**Less Standby Transmission Revenues:**	-$8,285,402	-$8,040,830	-$244,572	See Note 6
13	**Components of Wholesale Transmission Revenue Requirement:**	$993,468,801	$961,808,930	$31,659,871	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 92. 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:

Line				Source
1	LV TRR =	$31,659,871		29-WholesaleTRRs, Line 13, C3
2	Gross Load =	83,511,923	MWh	32-Gross Load, Line 4
3	Low Voltage Access Charge =	$0.00038	per kWh	Line 1 / (Line 2 * 1000)

Calculation of High Voltage Utility Specific Rate:
(used by ISO in billing of ISO TAC)

				Source
4	SCE HV TRR =	$961,808,930		29-WholesaleTRRs, Line 13, C2
5	Gross Load =	83,511,923	MWh	32-Gross Load, Line 4
6	High Voltage Utility-Specific Rate =	$0.0115170	per kWh	Line 4 / (Line 5 * 1000)

Calculation of High Voltage Existing Contracts Access Charge:

				Source
7	HV Wholesale TRR =	$961,808,930		29-WholesaleTRRs, Line 13, C2
8	Sum of Monthly Peak Demands:	176,185	MW	32-Gross Load, Line 5
9	HV Existing Contracts Access Charge:	$5.46	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:

Line	Classification of Facility:	Total ISO Gross Plant	Land	Structures	HV Land	LV Land	HV Structures	LV Structures	HV/LV Transformers
1	**Lines:**								
2	HV Transmission Lines	$4,667,920,362	$207,455,133	$4,460,465,229	$207,455,133	$0	$4,460,465,229	$0	$0
3	LV Transmission Lines	$120,009,504	$5,563,855	$114,445,650	$0	$5,563,855	$0	$114,445,650	$0
4	**Total Transmission Lines (L2 + L3):**	$4,787,929,867	$213,018,988	$4,574,910,878	$207,455,133	$5,563,855	$4,460,465,229	$114,445,650	$0
5									
6	**Substations:**								
7	HV Substations (>= 200 kV)	$3,979,146,963	$41,094,319	$3,938,052,644	$41,094,319	$0	$3,938,052,644	$0	$0
8	Straddle Subs (Cross 200 kV boundary):	473,880,491	$193,421	$473,687,070	$109,998	$83,423	$286,714,507	$130,837,448	$56,135,115
9	LV Substations (Less Than 200kV)	44,573,801	$148,788	$44,425,013	$0	$148,788	$0	$44,425,013	$0
10	**Total all Substations (L7 + L8 + L9)**	$4,497,601,254	$41,436,527	$4,456,164,727	$41,204,316	$232,211	$4,224,767,151	$175,262,461	$56,135,115
11									
12	**Total Lines and Substations**	$9,285,531,121	$254,455,516	$9,031,075,605	$248,659,450	$5,796,066	$8,685,232,379	$289,708,111	$56,135,115
13									
14									

Gross Plant that can directly be determined to be HV or LV:

Line		High Voltage	Low Voltage	Total	Notes:
18	Land	$248,659,450	$5,796,066	$254,455,516	From above Line 12
19	Structures	$8,685,232,379	$289,708,111	$8,974,940,490	From above Line 12
20	Total Determined HV/LV:	$8,933,891,829	$295,504,176	$9,229,396,006	Sum of lines 18 and 19
21	Gross Plant Percentages (Prior Year):	96.798%	3.202%		Percent of Total
22					
23	Straddling Transformers	$54,337,797	$1,797,318	$56,135,115	Straddling Transformers split by Gross Plant Percentages on Line 21
24	Abandoned Plant (BOY)	$0	$0	$0	Total: 12-Abandoned Plant Line 2, HV: 12-Abandoned Plant Line 5, LV = Total - HV
25	Total HV and LV Gross Plant for Prior Year	$8,988,229,626	$297,301,495	$9,285,531,121	Line 20 + Line 23 + Line 24
26					
27					

B) Gross Plant Percentage for the Rate Year:

Line		High Voltage	Low Voltage	Total	Notes:
32	Total HV and LV Gross Plant for Prior Year	$8,988,229,626	$297,301,495	$9,285,531,121	Line 25
33	In Service Additions in Rate Year:	$1,200,007,182	$1,275,050	$1,201,282,232	13-Month Average: 16-PlantAdditions, Line 25, Cols 7 (for Total) and 12 (for LV). HV = C7 - C12.
34	CWIP in Rate Year	-$371,898,028	$0	-$371,898,028	13 Month Average: 10-CWIP, Line 54, Col. 8
35	Total HV and LV Gross Plant for Rate Year	$9,816,338,780	$298,576,544	$10,114,915,325	Line 32 + Line 33 + Line 34
36					
37	HV and LV Gross Plant Percentages:	97.048%	2.952%		Percent of Total on Line 35
38	(HV Allocation Factor and				
39	LV Allocation Factor)				

Calculation of Forecast Gross Load

Workpaper: WP Schedule 32 Gross Load

Line		MWh	Calculation	Source
1	SCE Retail Sales at ISO Grid level:	83,502,058		Note 1
2	Pump Load forecast:	21,047		Note 2
3	Pump Load True-Up:	-11,182		Note 4
4	Forecast Gross Load:	83,511,923	Line 1 + Line 2 + Line 3	Sum of above
5	Forecast 12-CP Retail Load:	176,185		Note 1

Notes:

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

		Source
Retail Base TRR:	1,097,466,927	1-BaseTRR WS, Line 86

Input cells are shaded yellow

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

Line	CPUC Rate Group	12-CP factors	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
		Col 1 Note 1	Col 2 = Retail Base TRR * Line1:Col1	Col 3 Note 2 Sales Forecast (Not Including Backup)	Col 4 Note 3 Sales Forecast (Backup)	Col 5 Note 4 NEM Adjustment	Col 6 Note 5 Applies to supplemental kW demand charges	Col 7 Note 6 Applies to contracted standby kW demand charges	Col 8 Note 7 = (Line1:Col3 + Line1:Col4) - Line1:Col5	Col 9 = Line1:Col2 / (Line1:Col8*10^6)	Col 10 Note 8 = Line1:Col2 / ((Line1:Col6 + Line1:Col7)*10^3)	Col 11 Note 8 Recorded Billing Determinants: to be applied to the Supplemental kW demand charges, and the Contracted Standby kW demand charges	Col 12 Note 8	Col 13	Col 14
				Sales Forecast Billing Determinants:											
1a	Domestic	44.00%	$482,843,475	28,264		1787	0	0	26,477	$0.01824					
1b	TOU-GS-1	7.25%	$79,599,010	5,540		19	0	1	5,522	$0.01442		5,831	28,196	1	
1b$_2$	TOU-GS-1 continued								0		$2.98	$84,049,684	$2.98		Notes 9,10
1c	TC-1	0.05%	$535,106	56		0	0	0	56	$0.00952					
1d	TOU-GS-2	15.84%	$173,880,681	12,515		112	42,762	36	12,403		$4.06				
1e	TOU-GS-3	8.23%	$90,375,237	7,043		132	20,379	72	6,912		$4.42				
1f	TOU-8-SEC	8.48%	$93,048,915	7,652		58	19,459	0	7,593		$4.78				
1g	TOU-8-PRI	5.49%	$60,236,311	5,155		35	11,961	0	5,120		$5.04				
1h	TOU-8-SUB	6.66%	$73,058,859	5,922		2	11,971	0	5,920		$6.10				
1i	TOU-8-Standby-SEC	0.09%	$991,770	96	87	0	294	238	183		$1.86				
1j	TOU-8-Standby-PRI	0.19%	$2,063,334	417	210	0	1,071	1,194	626		$0.91				
1k	TOU-8-Standby-SUB	0.43%	$4,731,386	1,927	536	0	3,820	7,997	2,463		$0.40				
1l	TOU-PA-2	1.61%	$17,695,261	1,804		26	8,350	0	1,777		$2.12				
1m	TOU-PA-3	1.28%	$13,996,180	1,493		35	5,090	18	1,458		$2.74				
1n	Street Lighting	0.40%	$4,411,401	553		0	0	0	553	$0.00798					
1o	---								0						
2	Totals:	100.00%	$1,097,466,927	78,437	833	2,206	125,158	9,557	77,064						
3															
4															

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

Line	CPUC Rate Group	Standby Allocated costs	Standby Demand - MW	Contracted Standby Demand Charge $/kW
		Col 1 from Line1:Col2	Col 2 from Line1:Col7	Col 3 = Col1 / Col2 / 10^3
9a	TOU-8-Standby-SEC	$991,770	238	$4.16
9b	TOU-8-Standby-PRI	$2,063,334	1,194	$1.73
9c	TOU-8-Standby-SUB	$4,731,386	7,997	$0.59
9d	---			

CPUC Rate Group	Non-Standby Allocated Costs	Sum of Standby and Non-Standby Demand	Supplemental kW demand Charge $/kW
	Col 5 from Line1:Col2	Col 6 Note 11	Col 7 = Col 6 / (Col 7 * 10^3)
TOU-8-Standby-SEC	$93,048,915	19,753	4.71
TOU-8-Standby-PRI	$60,236,311	13,033	4.62
TOU-8-Standby-SUB	$73,058,859	15,791	4.63
---			

3) End-User Transmission Rates

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11
	= 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)
		Note 12				Note 13	Note 14				
CPUC Rate Group	Total Revenues	Revenue associated with Supplemental Demand or Energy	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	Transportation Electrification (TE) Energy Charge - $/kWh
Domestic	$482,843,475	$482,843,475			$0.01824						
TOU-GS-1	$79,599,010	$79,597,490	$1,520		$0.01442	$2.98	$2.98			Note 15	$0.01442
TC-1	$535,106	$535,106			$0.00952						
TOU-GS-2	$173,880,681	$173,734,616	$146,065			$4.06	$4.06			Note 16	$0.01366
TOU-GS-3	$90,375,237	$90,075,146	$300,091			$4.42	$4.16				$0.01366
TOU-8-SEC	$91,664,728	$91,664,728				$4.71					$0.01207
TOU-8-PRI	$55,284,515	$55,284,515				$4.62					$0.01080
TOU-8-SUB	$55,384,823	$55,384,823				$4.63					$0.00936
TOU-8-Standby-SEC	$2,375,957	$1,384,187	$991,770			$4.71	$4.16				
TOU-8-Standby-PRI	$7,015,130	$4,951,796	$2,063,334			$4.62	$1.73				
TOU-8-Standby-SUB	$22,405,423	$17,674,036	$4,731,386			$4.63	$0.59				
TOU-PA-2	$17,695,261	$17,694,409	$852			$2.12	$2.12	$1.58	$1.58	Note 17	
TOU-PA-3	$13,996,180	$13,945,797	$50,382			$2.74	$2.74				
Street Lighting	$4,411,401	$4,411,401			$0.00798						

Totals:	$1,097,466,927	$1,089,181,525	$8,285,402								

Notes:

1) See Col 9 of Lines 35a, 35b, 35c, etc.
2) Sales forecast in total Giga-watt hours usage, represents the customers' total annual GWh usage. Based on same forecast as Gross Load forecast in Schedule 32, Line 1, but at customer meter level. Does not include Backup GWh included in Column 4 (the sum of Column 3 and 4 equals total Sales Forecast).
3) Backup GWh represents the amount of electric service that is provided by SCE to a customer who has an onsite generating facility during unscheduled outages of the customer's on-site generator. Only applies to TOU-8-Standby-SEC, TOU-8-Standby-PRI, TOU-8-Standby-SUB Rate Groups.
4) Amount of energy included in the sales forecast that is not subject to transmission charges pursuant to the California Public Utilities Commission ("CPUC") approved Net Energy Metering Program.
5) Sales forecast pertaining to the sum of monthly maximum supplemental Mega-watt demand, applies to demand charge schedules
6) Sales forecast pertaining to the sum of monthly contracted standby Mega-watt demand, applies to standby schedules
7) Net Forecast in total Giga-watt hours usage - represents the customers' annual Net GWh, applicable to Non-Demand Charge Schedules such as Residential or Small General Service
8) Recorded sales from Sample meters adjusted for population - use to set the total demand rate for the optional time-of-use schedules within the GS-1 rate group
9) Line 1b2, Col11 = Line 1b Col9 * Line 1b Col11 * 10^6
10) Total demand rate for the optional time-of-use schedules within the GS-1 rate group, Line 1b2:Col10 = Line 1b2:Col12 (which = Line 1b2:Col11 / ((Line1b:Col12 + Line1b:Col13) * 10^3)
11) Sum of the TOU-8 Standby and TOU-8 Non-Standby billing determinants in Line1:Col6
12) For TOU-8 Rates revenue = Supplemental Demand Charge on Line 9 Column 8 * Maximum Demand on Lines 1 Column 6
13) For optional time-of-use schedules within the GS-1 rate group (Line16b:Col6), = (Line1b$_2$:Col11 - Line16:Col3) / Line1b:Col12 / 10^3
14) For the non TOU-8-Standby rate group, it is the minimum of Line16i:Col7, or the total demand rate in Line1:Col10
15) Applicable to time-of-use schedules within the GS-1 rate group
16) 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).
17) Applicable to the optional schedules that contain horse power charge such as PA-1
18) 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.

Rate Schedules in each CPUC Rate Group:

CPUC Rate Group	Rate Schedules included in Each Rate Group in the Rate Effective Period
Domestic	Includes Schedules D, D-CARE, D-FERA,TOU-D-T, TOU-EV-1, TOU-D-TEV, DE, D-SDP, D-SDP-O, DM, DMS-1, DMS-2, DMS-3, and DS.
Domestic (con't)	D (Option CPP), D-CARE (Option CPP), TOU-D-Option A, TOU-D-Option B, TOU-D-3, TOU-D-T-CPP, TOU-D (Options 4-9 PM, 5-8 PM, PRIME, and CPP)
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).
TC-1	Includes Schedules TC-1, Wi-Fi-1, and WTR.
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).
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).
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).
TOU-8-PRI	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).
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).
TOU-8-Standby-SEC	Includes Schedules TOU-8-Standby (Options D, LG, A, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
TOU-8-Standby-PRI	Includes Schedules TOU-8-Standby (Options D, LG, A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
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).
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).
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).
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.

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

	Col 1	Col 2	Col 3	Col 4 = Line35:(Col1+Col2 +Col3)/3	Col 5	Col 6	Col 7 from Line1:Col3 Note 18	Col 8 from Line1:Col4	Col 9 = Col 7 + Col 8	Col 10 = Line35:(Col4*Col5 /Col6*Col9)	Col 11 = Line35:(Col10 / total of Col10)
		12-CP MW								MW	
CPUC Rate Group	2016	2017	2018	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
Domestic	70,601	78,359	66,768	71,909	1.0905	29,575	28,264	0	28,264	74,942	44.00%
TOU-GS-1	12,483	12,202	11,735	12,140	1.0909	5,939	5,540	0	5,540	12,355	7.25%
TC-1	82	83	76	80	1.0917	59	56	0	56	83	0.05%
TOU-GS-2	29,452	28,687	27,971	28,703	1.0905	14,515	12,515	0	12,515	26,988	15.84%
TOU-GS-3	15,947	15,513	14,472	15,311	1.0900	8,380	7,043	0	7,043	14,027	8.23%
TOU-8-SEC	14,707	14,237	14,201	14,382	1.0909	8,416	7,747	0	7,747	14,442	8.48%
TOU-8-PRI	9,684	9,644	9,263	9,530	1.0644	6,045	5,571	0	5,571	9,349	5.49%
TOU-8-SUB	11,021	11,029	11,532	11,194	1.0315	7,993	7,849	0	7,849	11,339	6.66%
TOU-8-Standby-SEC	155	142	137	145	1.0911	90	0	87	87	154	0.09%
TOU-8-Standby-PRI	373	301	297	324	1.0645	226	0	210	210	320	0.19%
TOU-8-Standby-SUB	714	602	789	702	1.0316	528	0	536	536	734	0.43%
TOU-PA-2	2,748	2,325	2,678	2,584	1.0910	1,851	1,804	0	1,804	2,746	1.61%
TOU-PA-3	1,891	1,858	1,924	1,891	1.0896	1,416	1,493	0	1,493	2,172	1.28%
Street Lighting	685	960	709	785	1.0938	693	553	0	553	685	0.40%

Totals:	170,545	175,944	162,552	169,680		85,726	78,437	833	79,270	170,338	100.00%

Determination of Unfunded Reserves

Workpaper: WP-Schedule 34 Unfunded Reserves & Wildfire

Line					
1					
2					
3					
4		**Reference**			**Prior Year Amount**
5					
6	**Unfunded Reserves (EOY):**	(Line 17, Col 2)			-$197,765,198
7	**Unfunded Reserves (Average BOY/EOY):**	(Line 17, Col 3)			-$192,258,246
8					
9			**Col 1**	**Col 2**	**Col 3**
10			**Prior Year**	**Prior Year**	**Prior Year**
11			**BOY**	**EOY**	**Average**
12	**Description of Issue**		**Unfunded**	**Unfunded**	**Unfunded**
13	**Unfunded Reserves**		**Reserves**	**Reserves**	**Reserves**
14	Provision for Injuries and Damages	(Line 24)	-$182,063,844	-$193,097,034	-$187,580,439
15	Provision for Vac/Sick Leave	(Line 29)	-$4,075,505	-$4,053,852	-$4,064,679
16	Provision for Supplemental Executive Retirement Plan	(Line 36)	-$611,944	-$614,312	-$613,128
17	Totals:	(Line 14 + Line 15 + Line 16)	-$186,751,294	-$197,765,198	-$192,258,246
18					
19	**Calculations**				
20					Average
21	**Injuries and Damages**		BOY	EOY	BOY/EOY
22	Injuries and Damages - See Note 1 and Note 2	Company Records - Input (Negative)	-$2,771,957,879	-$2,939,940,360	
23	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	6.5681%	6.5681%	
24	ISO Transmission Rate Base Applicable	(Line 22 x Line 23)	-$182,063,844	-$193,097,034	-$187,580,439
25					
26	**Vacation Leave**				
27	Vacation and Personal Time Accruals - Acct. 2350080	Company Records - Input (Negative)	-$62,050,371	-$61,720,696	
28	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	6.5681%	6.5681%	
29	ISO Transmission Rate Base Applicable	(Line 27 x Line 28)	-$4,075,505	-$4,053,852	-$4,064,679
30					
31	**Supplemental Executive Retirement Plan**				
32	Supplemental Executive Retirement Plan	Company Records - Input (Negative)	-$18,633,934	-$18,706,028	
33	Times:	Applicable Rate Base Percentage	50%	50%	
34	Sub-Total Supplemental Executive Retirement Plan	(Line 32 x Line 33)	-$9,316,967	-$9,353,014	
35	Transmission Wages and Salary Allocation Factor	(27-Allocators, Line 9)	6.5681%	6.5681%	
36	ISO Transmission Rate Base Applicable	(Line 34 x Line 35)	-$611,944	-$614,312	-$613,128

Notes:

1) Includes any Unfunded Reserves relating to accrued expenses included in Account 925 “Injuries and Damages”, reduced for any expected offsetting payments.
2) No Unfunded Reserve shall be included in Schedule 34 associated with any wildfire other than the 2017/18 Wildfire/Mudslide Events. Associated costs for other wildfire events are reflected in Schedule 20 "A&G" and recovered on a cash basis (see Instruction 6 of Schedule 20).