## Attachment 2 to Appendix IX

Formula Rate Spreadsheet

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## Overview

## Overview of SCE Retail Base TRR

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

## TRR Component

Prior Year TRR
Incremental Forecast Period TRR
True-Up Adjustment
Cost Adjustment
Base TRR (retail)

| Amount |  |
| :--- | :--- |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |

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



| Southern California Edison Company |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Cells shaded yellow are input cells |  |  |
| Formula Transmission Rate |  |  |  |  |  |
|  |  |  | FERC Form 1 Reference | - |  |
| Line |  | Notes | or Instruction | Value |  |
| PRIOR YEAR TRANSMISSION REVENUE REQUIREMENT |  |  |  |  |  |
| Component of Prior Year TRR: |  |  |  |  |  |
| 66 | O\&M Expense |  | 19-OandM, Line 91, Col. 6 | \$ |  |
|  | A\&G Expense |  | 20-AandG, Line 23 | \$ |  |
|  | Network Upgrade Interest Expense |  | 22-NUCs, Line 8 | \$ |  |
| 69 | Depreciation Expense |  | 17-Depreciation, Line 70 | \$ |  |
|  | Abandoned Plant Amortization Expense |  | 12-AbandonedPlant, Line 1 | \$ |  |
| 71 | Other Taxes |  | Line 36 | \$ |  |
| 72 | Revenue Credits | Negative amount | 21-Revenue Credits, Line 44 | \$ |  |
| 73 | Return on Capital |  | Line 56 | \$ |  |
| 74 | Income Taxes |  | Line 64 | \$ |  |
| 75 | Gains and Losses on Trans. Plant Held for Future Use -- Land | Gain negative, loss positive | 11-PHFU, Line 10 | \$ |  |
| 76 | Amortization and Regulatory Debits/Credits |  | 23-RegAssets, Line 16 | \$ |  |
| 77 | Prior Year Incentive Adder |  | 15-IncentiveAdder, Line 14 | \$ |  |
| 78 | Total without FF\&U |  | Sum of Lines 66 to 77 | \$ | - |
| 79 | Franchise Fees Expense |  | L 78 * FF Factor (28-FFU, L 5) | \$ |  |
| 80 | Uncollectibles Expense |  | L 78 * U Factor (28-FFU, L 5) | \$ | - |
| 81 | Prior Year TRR |  | Line 78 + Line 79+ Line 80 | \$ | - |
| TOTAL BASE TRANSMISSION REVENUE REQUIREMENT |  |  |  |  |  |
| Calculation of Base Transmission Revenue Requirement |  |  |  |  |  |
| 82 | Prior Year TRR |  | Line 81 | \$ | - |
| 83 | Incremental Forecast Period TRR |  | 2-IFPTRR, Line 82 | \$ |  |
| 84 | True Up Adjustment |  | 3-TrueUpAdjust, Line 30 | \$ | - |
| 85 | Cost Adjustment | Note 4 |  | \$ | - |
| 86 | Base Transmission Revenue Requirement (Retail) | For Retail Purposes | L $82+\mathrm{L} 83+\mathrm{L} 84+\mathrm{L} 85$ | \$ | - |
| Wholesale Base Transmission Revenue Requirement |  |  |  |  |  |
| 87 | Base TRR (Retail) |  | Line 86 | \$ | - |
| 88 | Wholesale Difference to the Base TRR |  | 25-WholesaleDifference, Line 45 | \$ | - |
| 89 | Wholesale Base Transmission Revenue Requirement |  | Line 87 + Line 88 | \$ | - |
|  |  |  |  |  |  |
| 1) Any amount of "Sub-Total Local Taxes" or "Payroil 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. |  |  |  |  |  |
| 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. |  |  |  |  |  |
| 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. <br> 4) Cost Adjustment may be included as provided in the Tariff protocols. |  |  |  |  |  |
|  |  |  |  |  |  |

Schedule 2 Incremental Forecast Period TRR

## 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
3) Calculation of Annual Fixed Charge Rates:
```
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
            Wtd. Cost of Long Term Debt:
            Wtd. Cost of Common + Pref. Stock: - % 1-BaseTRR, Line 55
                            Composite Tax Rate: - % 1-BaseTRR, Line 59
                    AFCRCWIP = - % 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

- 6-PlantInService, Line 13
- 6-PlantInService, Line 16
- 8-AccDep, Line 13
- 8-AccDep, Line 16
(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: \$ - 10-CWIP, L 13 C1 AFCRCWIP: - \% Line 16
Direct CWIP Related Costs: \$ - Line 37 * Line 38
2) CWIP ROE Adder costs:

IREF: \$

- 15-IncentiveAdder, Line 3

Tehachapi CWIP Amount: \$ - 10-CWIP, Line 13 Tehachapi ROE Adder \%: - \% 15-IncentiveAdder, Line 5 Tehachapi ROE Adder \$: \$ - Formula on Line 52

DCR CWIP Amount: \$ - 10-CWIP, Line 13
DCR ROE Adder \%: - \% 15-IncentiveAdder, Line 6
DCR ROE Adder \$: \$ - Formula on Line 52

ROE Adder \$ = (CWIP/\$1,000,000) * IREF * (ROE Adder/1\%)
CWIP Related Costs wo FF\&U: \$ - Line 39 + Line 46 + Line 50
FF\&U Expenses: $\$ \quad$ - (28-FFU, L5 FF Factor + U Factor) * L54
CWIP Related Costs with FF\&U: \$ - Line 54 + Line 55

Schedule 2 Incremental Forecast Period TRR
b) Determination of AFCR:

$$
\begin{aligned}
& \text { CWIP Related Costs wo FF\&U: } \$ \\
& \text { Prior Year TRR wo FF\&U: } \$ \\
& \text { Prior Year TRR wo CWIP Related Costs: } \$ \\
& 75 \% \text { of O\&M and A\&G in Prior Year TRR: } \$ \\
& \text { AFCR: }
\end{aligned}
$$

## 2) Calculation of IFP TRR

- Line 54
- 1-BaseTRR, Line 78
- Line 61 - Line 60
- (1-BaseTRR, Line 66 + Line 67) *. 75
- \% (Line 62 - Line 63) / Line 31

Reference

- 16-PlantAdditions, L 25, C10
- \% Line 64
- Line 69 * Line 70
- 10-CWIP, L 54, C8
- \% Line 16
- Line 73 * Line 74
- Line 71 + Line 75
- Line 77 * FF (from 28-FFU, L 5)
- Line 77 * U (from 28-FFU, L 5)
- 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.


## Schedule 3

## Instructions

Enter applicable years on Column 1, Lines 11-23 (Prior Year and December of the year previous to the Prior Year)
) 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. $\S 35.19$ a on lines 12 to 23 , Column 6
4) Enter any One Time Adjustments on Column 4 , Line 12 (or other appropriate). If SCE is owed enter as positive, if SCE is to return to customers enter as negative. One Time Adjustments include
a) In the event that a Commission Order revises SCE's True Up TRR for a previous Prior Year

SCE shall include that difference in the True Up Adjustment, including interest, at the first opportunity, in accordance with tariff protocols.
Entering on Line 12 (or other appropriate) ensures these One Time Adjustments are recovered from or returned to customers
b) Any refunds attributable to SCE's previous CWIP TRR cases (Docket Nos. ER08-375, ER09-187, ER10-160, and ER11-1952), not previously returned to customers
c) Amounts resulting from input errors impacting the True Up TRR in a previous Formula Rate Annual Update pursuant to Protocol Section 3(d)(8).
5) Fill in matrix of all retail revenues from Prior Year in table on lines 63 to 74
6) Enter Total Sales to Ultimate Consumers on line 77 and verify that it equals the total on line 75
7) If true up period is less than entire calendar year, then adjust calculation accordingly by including $\$ 0$ Monthly True Up TRR and \$0 Actual Retail Base Transmission Revenues for any months not included in True Up Period.
Notes:

1) The true up period is the portion (all or part) of the Prior Year for which the Formula Transmission Rate was in effect.
2) The Monthly True Up TRR is derived by multiplying the annual True Up TRR on Line 1 by $1 / 12$, if formula was in effect. In the event of a Partial Year True Up, use the Partial Year TRR Attribution Allocation Factors on Lines 40 to 51 for each month of Partial Year True Up Only enter in the Prior Year, Lines 12 to 23, or portion of year formula was in effect in case of Partial Year True Up.
Partial Year True Up Allocation Factors calculated based on three years (2008-2010) of monthly SCE retail base transmission revenues
3) "Actual Retail Base Transmission Revenues" are SCE retail transmission revenues attributable to this formula transmission rate
as shown on Lines 63 to 74, Column 1.
4) Enter "Shortfall or Excess Revenue in Previous Annual Update" on Line 11, or other appropriate (from Previous Annual Update, Line 23, Column 9).
5) Monthly Interest Rates in accordance with interest rate specified in the regulations of FERC (See Instruction \#3).
6) "Cumulative Excess (-) or Shortfall (+) in Revenue 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
) 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

Rate Base Item
ISO Transmission Plant
General + Elec. Misc. Intangible Plant
Transmission Plant Held for Future Use
Abandoned Plant
Calculation
Method
13-Month Avg. BOY/EOY Avg BOY/EOY Avg BOY/EOY Avg.

Working Capital Amounts
Materials and Supplies
-Month Avg
13-Month Avg
1/8 (O\&M + A\&G)
Notes
FERC Form 1 Reference or Instruction

Amount 6-PlantInService, Line 18 6-PlantInService, Line 24
11-PHFU, Line 9
2-AbandonedPlant Line 4

|  | Amount |  |
| :--- | :--- | :--- |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
|  |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  |  |

Accumulated Depreciation Reserve Amounts
Transmission Depreciation Reserve - ISO
Distribution Depreciation Reserve - ISO
G + I Depreciation Reserve
Accumulated Depreciation Reserve

Accumulated Deferred Income Taxes
CWIP Plant
Network Upgrade Credits
Unfunded Reserves
Other Regulatory Assets/Liabilities
Rate Base

## B) Return on Capita

Return on Capital: Rate Base times Cost of Capital Rate

## C) Income Taxes

Income Taxes $=[((R B * E R)+D) *(C T R /(1-C T R))]+C O /(1-C T R)$

## here:

RB = Rate Base
ER = Equity ROR inc. Com. and Pref. Stock Instruction 1
CTR = Composite Tax Rate
$\mathrm{CO}=$ Credits and Other
D = Book Depreciation of AFUDC Equity Book Basis

Line 18
nstruction 1, Line k
1-Base TRR L 59
-Base TRR L 63
1-Base TRR L 65
$-\quad-$

- $-\%$

23
25
26

3-WorkCap, Line 17 3-WorkCap, Line 33
1-Base TRR Line 7
Line 5 + Line $6+$ Line 7

$\qquad$

Prorata BOY/EOY Avg
13-Month Avg.
Negative amount
4-IncentivePlant, L 12, C2
22-NUCs, Line 7
34-UnfundedReserves, Line 7
23-RegAssets, Line 15
1+L2+L3+L4+L8+L12+
L13+L14+L15+L16+L17

See Instruction 1 Instruction 1, Line j
Line 18 * Line 19

- \%
\$


## D) True Up TRR Calculation

O\&M Expense
Network Upgrade Interest Expense
Depreciation Expense
Abandoned Plant Amortization Expense
Other Taxes
Revenue Credits
Return on Capital
Income Taxes
Gains and Losses on Transmission Plant Held for Future Use -- Land Amortization and Regulatory Debits/Credits
Total without True Up Incentive Adder
True Up Incentive Adder
True Up TRR without Franchise Fees and Uncollectibles Expense included:

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

Reference
Line 40
28-FFU, L 5
Line 41 * Line 42
28-FFU, L 5 Line 41 * Line 44
L $41+\mathrm{L} 43+\mathrm{L} 45$

| True Up TRR wo FF: | $\$$ | - |
| ---: | :---: | :--- |
| Line 40 |  |  |
| Franchise Fee Factor: |  | $-\%$ |
| Franchise Fee Expense: | $\$$ | - |
| Uncollectibles Expense Factor: |  | $-\%$ |
| Uncollectibles Expense: | $\$$ | - |
| True Up TRR: | $\$$ | - |


| $\$$ | - |
| :--- | :--- |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |

\$

1-Base TRR L 66
1-Base TRR L 67
1-Base TRR L 68
-Base TRR L 69
1-Base TRR L 70
1-Base TRR L 71
1-Base TRR L 72
Line 20
Line 21
1-Base TRR L 75
1-Base TRR L 76
Sum Line 27 to Line 37

## Schedule 4 <br> True Up TRR

## 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

## ROE at end of Prior Year <br> b ROE start of Prior Year

c
Wtd. Avg. ROE in Prior Year

| Percentage | Reference: | From | To |
| ---: | :--- | :--- | :---: |
| $-\%$ | --- | In Effect |  |
| $-\%$ See Line Line below below | --- | --- | --- |

- \% ((Line a ROE * Line a days) + (Line b ROE * Line b days)) / Total Days in Year

Commission Decisions approving ROE:
e End of Prior Year
f Beginning of Prior Year
g Wtd. Cost of Long Term Deb
h Wtd.Cost of Preferred Stock
i Wtd.Cost of Common Stock
j Cost of Capital Rate

## Reference:

## Percentage Reference:

## \% 1-Base TRR L 51

\% 1-Base TRR L 52

- \% 1-Base TRR L 47 * Line d
- \% Sum of Lines g to i

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

## Percentage Reference:

- \% Sum of Lines h to


## Schedule 5 ROR-1

| RETURN AND CAPITALIZATION CALCULATIONS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Line | Calculation of Long Term Debt Amount |  |  |  |  |
| 1 | Bonds -- Account 221 | 13-month avg. | 5-ROR-2, Line 1 | \$ |  |
| 2 | Less Reacquired Bonds -- Account 222 | 13-month avg. | 5-ROR-2, Line 2 | \$ |  |
| 3 | Long Term Debt Advances from Associated Companies -- Account 223 | 13-month avg. | 5-ROR-2, Line 3 | \$ |  |
| 4 | Other Long Term Debt -- Account 224 | 13-month avg. | 5 -ROR-2, Line 4 | \$ |  |
| 5 | Unamortized Premium on Long Term Debt - Account 225 | 13-month avg. | 5-ROR-2, Line 5 | \$ |  |
| 6 | Less Unamortized Discount on Long Term Debt -- Account 226 | 13-month avg.; enter negative | 5 -ROR-2, Line 6 | \$ |  |
| 7 | Unamortized Debt Expenses -- Account 181 | 13-month avg.; enter negative | 5 -ROR-2, Line 7 | \$ |  |
| 8 | Unamortized Loss on Reacquired Debt -- Account 189 | 13-month avg.; enter negative | 5-ROR-2, Line 8 | \$ |  |
| 9 | Composite Tax Rate |  | 1-BaseTRR, Line 59 |  | \% |
| 10 | After tax amount of Unamortized Loss on Reacquired Debt |  | Line 8 * (1-Line 9) | \$ |  |
| 11 | Removal of Long Term Debt Related to Fuel Inventories | 13-month avg.; enter negative | 5-ROR-2, Line 9 | \$ |  |
| 12 | Adjustments related to "LT Debt Related to Fuel Inventories" |  | 5-ROR-2, Line 10 | \$ |  |
| 13 | Long Term Debt Amount |  | Sum of Lines 1 to 7 and 10 to 12 | \$ |  |
|  | Calculation of Preferred Stock Amount |  |  |  |  |
| 14 | Preferred Stock Amount -- Account 204 | 13-month avg. | 5-ROR-2, Line 11 | \$ | - |
| 15 | Unamortized Issuance Costs | 13-month avg. | 5 -ROR-2, Line 12 | \$ |  |
| 16 | Net Gain (Loss) From Purchase and Tender Offers | 13-month avg. | 5-ROR-2, Line 13 | \$ | - |
| 17 | Preferred Stock Amount |  | Sum of Lines 14 to 16 | \$ | - |
|  | Calculation of Common Stock Equity Amount |  |  |  |  |
| 18 | Total Proprietary Capital | 13-month avg. | 5-ROR-2, Lines $14+14 \mathrm{a}$ | \$ | - |
| 19 | Less Preferred Stock Amount -- Account 204 | Same as L 14 , but negative | 5 -ROR-2, Line 11 | \$ | - |
| 20 | Minus Net Gain (Loss) From Purchase and Tender Offers | Same as L 16 , but reverse sign | 5-ROR-2, Line 13 | \$ | - |
| 21 | Less Unappropriated Undist. Sub. Earnings -- Acct. 216.1 | 13-month avg. | 5 -ROR-2, Line 15 | \$ | - |
| 22 | Less Accumulated Other Comprehensive Loss -- Account 219 | 13-month avg. | 5 -ROR-2, Line 16 | \$ | - |
| 23 | Common Stock Equity Amount |  | Sum of Lines 18 to 22 | \$ | - |



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

## Notes:

) 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 1112.19d, amount in Column 14 from FF1 112.19c, amounts in columns 3-13 from SCE internal record 4) Amount in Column 2 from FF1 112.21d, amount in Column 14 from FF1 112.21c, amounts in columns $3-13$ from SCE internal records. 5) Amount in Column 2 from FF1 112.22d, amount in Column 14 from FF1 112.22c, amounts in columns 3-13 from SCE internal records. 6) Amount in Column 2 from FF1 112.23d, amount in Column 14 from FF1 112.23c, amounts in columns 3-13 from SCE internal records 7) Amount in Column 2 from FF1 111.69d, amount in Column 14 from FFF 1111.69c, amounts in columns 3 -13 from SCE internal records. 3) Amount in Column 2 from FF1 111.81d, amount in Column 14 from FF1 111.81c, amounts in columns 3-13 from SCE internal records
10) Amounts in Columns 2-14 are from SCE internal records.
11) Amount in Column 2 from FF1 112.3d, amount in Column 14 from FF1 112.3c, amounts in columns 3-13 from SCE internal records
12) Amounts in Columns 2-14 are from SCE internal records.
13) Amounts in Columns 2-14 are from SCE internal records.
14) Amount in Column 2 from FF1 112.16d, amount in Column 14 from FF1 112.16 c , amounts in columns 3 -13 from SCE internal records.

14a) Represents Capital disclosed by SCE related to Wildfire Related Capital, not yet paid on a cash basis. Amounts in Columns $2-14$ are from SCE internal record
16) Amount in Column 2 from FF1 112.15d, amount in Column 14 from FF1 112.15c, amounts in columns $3-13$ from SCE internal records.

## 1) Calculation of "Long Term Debt Cost Percentage

Total Annual Cost of Outstanding Series Debt: Total Annual Amortized Loss on Reacquired Debt: Total Annual Cost of Debt:

Total "Principal Amount Outstanding" Debt: \$ Total Reacquired Debt: \$ on Reacquired Debt: \$
Total Unamortized Loss on Reacquired Debt:
Composite Tax Rate: After-Tax Total Unamortized Loss on Reacquired Debt: \$ Total Debt Balance: \$

## Amount <br> Reference Line 200, Col 10 <br> FF1 117.64c

- Line 200, Col 5

Line 205, Col 5
5-ROR-2, Line 8, Col. 14 (Negative of FF1 111.81c)

- \% 1-BaseTRR, Line 59
- $=\mathrm{L7}$ * ( 1 - L8)
$-\quad=\mathrm{L} 5+\mathrm{L} 6+\mathrm{L} 9$
Long Term Debt Cost Percentage:
$-\%=$ L3 / L10

|  | 2) Long Term Debt Info $\text { FF1 } \frac{\text { Col } 1}{256, \text { Col a }}$ | $\begin{aligned} & \text { for each Outst } \\ & \frac{\text { Col } 2}{256, \text { Col }} \\ & \text { FF1 } \end{aligned}$ | nding Series <br> Col 3 <br> FF1 256, Col e | $\text { FF1 } \frac{\text { Col } 4}{256, \text { Col a }}$ | $\text { FF1 } \frac{\text { Col } 5}{257, \text { Col h }}$ | Col 6 <br> Note 1 | $\begin{gathered} \text { Col } 7 \\ \text { FF1 } \frac{1}{256, \text { Col } C} \\ \text { Note } 2 \end{gathered}$ | $=\frac{\operatorname{Col} 8}{5-\mathrm{Col} 7}$ | $\frac{\text { Col } 9}{\text { Note } 3}$ | $=\frac{\text { Col } 10}{\operatorname{Col} 5^{*} \operatorname{Col} 9}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line | Series | Date of Offering | Maturity Date | Coupon Rate | Principal Amount Oustanding (\$000s) | Amort- <br> ization <br> Period <br> (Years) | Net Discount \& Issuance Cost (\$000s) | Net Proceeds ( $\$ 000 \mathrm{~s}$ ) | Cost of Money | Annual Cost (\$000s) | Comments: See below |
| 101 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 102 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 103 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 104 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 105 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 106 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 107 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 108 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 109 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 110 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 111 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 112 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 113 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 114 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 115 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 116 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 117 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 118 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 119 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 120 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 121 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 122 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 123 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 124 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 125 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 126 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 127 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 128 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 129 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 130 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 131 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 132 |  |  |  |  |  | --- | \$ | \$ | - \% | \$ |  |
| 133 |  |  |  |  |  |  |  |  |  |  |  |

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

3) Long Term Debt Information for each Reacquired Series


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

## Notes:

1) Equal to maturity date less the date of offering yea
2) Sum of all amounts for each issuance
3) 18 CFR 35.13 (22) Statement AV - Rate of Return (ii)(B)(6) Cost of money
4) Excludes debt, or portions thereof, that does not finance Rate Base

Preferred Stock Cost Percentage
Prior Year:

1) Calculation of "Preferred Stock Cost Percentage"

| Line |  | Amount |  | Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Total Annual Cost of Preferred Stock: | \$ | - | Line 112, Col 9 |
| 2 | Total Reacquired Preferred Stock Cost: | \$ | - | Line 312, Col 6 |
| 3 | Total Annual Cost of Preferred: | \$ | - | L $\mathrm{L} 1+\mathrm{L} 2$ |
| 4 |  |  |  |  |
| 5 | Total Preferred Stock Amount Outstanding: | \$ | - | FF1 112.3c |
| 6 | Net Gain (Loss) from Purchase and Tender Offers: | \$ | - | Line 312, Col 4 |
| 7 | Total Preferred Balance: | \$ | - | = L5-L6 |
| 8 |  |  |  |  |
| 9 | Preferred Stock Cost Percentage: |  | - \% | = L3 / L7 |

2) Preferred Stock Information for each Outstanding Series

3) Preferred Stock Issuance Cost Details for each Outstanding Series

$$
\text { Same list } \frac{\text { Col } 1}{\text { as in }} \text { Section } 2 \quad \text { Col } 2 \quad \frac{\text { Col } 3}{\text { Records }} \quad \text { SCE } \frac{\text { Col } 4}{\text { Records }}
$$

|  | Total <br> Issuance <br> Lost $(\$ 000 s)$ | Full <br> Amortization <br> Period |  |
| :--- | :---: | :---: | :---: |
| Preferred Stock | Notes |  |  |

4) Reacquired Preferred Stock Information


## Notes:

1) If issuance costs not fully amortized then the "Cost of Money Effective Rate" is the 18 CFR 35.13 (22) Statement AV - Rate of Return (ii)(B)(6) Cost of money. If the issuance costs are fully amortized then the "Cost of Money Effective Rate" is equal to Column 3 / Column 7.

Schedule 6

## Plant In Service

Inputs are shaded yellow

1) Transmission Plant - ISO

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

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 |  | $\frac{\mathrm{Col} 5}{\text { Sum } \mathrm{C} 2-\mathrm{C} 4}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Line | Mo/YR |  | 360 |  |  | 361 |  |  | 362 |  |  | Total |  |
| 15 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  |
| 16 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  |
| 17 | verage: | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  |  |

## Schedule 6

## Plant In Service

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

18
19

Source
Sum of Line 14, Col 12 and Line 17, Col 5
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


## 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 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mo/YR |  | 350.1 |  | 350.2 |  |  | 352 |  |  | 353 |  |  | 354 |  |  | $\underline{355}$ |  |  | 356 |  |  | 357 |  |  | $\underline{358}$ |  |  | $\underline{359}$ |  |  |
| 28 | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |
| 29 | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 30 | - | \$ |  | - | \$ | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |
| 31 | - | \$ |  |  | \$ | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |
| 32 | - | \$ |  |  |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 33 | - | \$ |  |  |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 34 | - | \$ |  | - | \$ | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 35 | - | \$ |  |  | \$ | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 36 | - | \$ |  |  |  |  |  |  |  | \$ |  |  |  |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 37 | - | \$ |  |  |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |
| 38 | - | \$ |  |  |  | - | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 39 | - | \$ |  |  |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |
| 40 | - | \$ |  |  |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |

Schedule 6
Plant In Service
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 |  | $\frac{\text { Col } 12}{\text { Sum C2-C11 }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mo/YR |  | 350.1 |  |  | 350.2 |  |  | 352 |  |  | 353 |  |  | 354 |  |  | 355 |  |  | 356 |  |  | 357 |  |  | 358 |  |  | 359 |  |  |  |
| 41 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 42 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ | - |
| 43 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 44 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 45 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 46 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ | - |
| 47 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ | - |
| 48 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 49 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ | - |
| 50 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ | - |
| 51 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ | - |
| 52 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 53 | Total: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |

## 3) ISO Incentive Plant Balances (See Note 5)


4) ISO Incentive Plant Activity (See Note 6)


Schedule 6
Plant In Service

Schedule 6
Plant In Service

## 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 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mo/YR |  | 350.1 |  |  | 350.2 |  |  | 352 |  |  | 353 |  |  | 354 |  |  | 355 |  |  | 356 |  |  | 357 |  |  | 358 |  |  | 359 |  |  |  |
| 80 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 81 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 82 | - | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 83 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 84 | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ | - |
| 85 | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 86 | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 87 | - | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ | - |
| 88 | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ | - |
| 89 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  |  | \$ | - |
| 90 | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 91 | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |
| 92 | Total: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  |  | \$ |  |  | \$ | - |

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



## Schedule 6

## Plant In Service


otes:

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
) The previous month balance of the Transmission Plant - ISO amounts on Lines 1
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
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)
) Includes recorded Transmission Plant-In-Service additions, retirements, transfers and adjustments. From SCE internal acounting records
5) Includes balances for SCE Incentive Projects.
6) Monthly differences from previous matrix. Other columns from SCE internal accounting records
7) Amount in matrix on lines 41 to 52 minus amount in matrix on lines 67 to 78
8) Amount in "Total Transmission Activity Not Including Incentive Plant Activity" matrix divided by Total on Line 92 for each account/month
9) Amount on Line 13 less amount on Line 1 for each account
10) Line 79
11) Amount on Line 105 less amount on Line 106 for each account
12) For each column (FERC Account) divide Line 107 by Line 92 to arrive at a ratio for each column.

Apply the ratio of each column to each monthly value from Lines 80-91 to calculate the values for
the corresponsing months listed in Lines 108-119.
A) Plant Classified as Transmission in FERC Form 1 for Prior Year:

Input cells are shaded yellow
Prior Year: -


## B) Plant Classified as Distribution in FERC Form 1:



## 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".

Schedule 8

## Accumulated Depreciation Reserve

Input cells are shaded yellow

1) Transmission Depreciation Reserve - ISO

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

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


## Schedule 8

3) General and Intangible Depreciation Reserve

a) Average BOY/EOY General and Intangible Depreciation Reserve

Total G+I Dep. Reserve on Average BOY/EOY basis: \$ Transmission W\&S Allocation Factor: G + I Plant Dep. Reserve (BOY/EOY Average): \$

## b) EOY General and Intangible Depreciation Reserve

26 FF1 219 28c and 20021
Average of Line 18 and Line 19

25
,

[^0]Transmission Activity Used to Determine Monthly Transmission Depreciation Reserve - ISO Balances

1) ISO Depreciation Expense (See Note 3)

| Col 1 |  | Col 2 |  | Col 3 |
| :---: | :---: | :---: | :---: | :---: |
| Mo/YR |  | 350.1 |  | 350.2 |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  | - \$ |  |
| - | \$ |  |  |  |
| - | \$ |  | - \$ |  |
| Total: | \$ |  | - \$ |  |


|  | Col 4 | Col 5 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 352 |  | 353 |  |
| \$ |  | - \$ |  | \$ |
| \$ |  | - \$ |  | \$ |
| \$ |  | - \$ |  | \$ |
| \$ |  | - \$ |  | - \$ |
| - \$ |  | - \$ |  | - \$ |
| - \$ |  | - \$ |  | - \$ |
| - \$ |  | - \$ |  | \$ |
| \$ |  | - \$ |  | - \$ |
| - \$ |  | - \$ |  | \$ |
| - \$ |  | - \$ |  | \$ |
| - \$ |  | - \$ |  | \$ |
| - \$ |  |  |  | \$ |
| \$ |  | - \$ |  | \$ |





2) Total Transmission Allocation Factors (See Note 4)

| Col 1 | Col 2 | Col 3 | Col 4 |
| :---: | :---: | :---: | :---: |
| Mo/YR | $\frac{\mathbf{3 5 0 . 1}}{}$ | $\underline{\mathbf{3 5 0 . 2}}$ | $\mathbf{3 5 2}$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |
| - | $-\%$ | $-\%$ | $-\%$ |


| Col 5 |  | Col 6 |
| :--- | :--- | :--- |
| $\mathbf{3 5 3}$ |  | $\mathbf{3 5 4}$ |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
| $-\%$ | $-\%$ |  |
|  |  |  |


| Col 7 |
| :--- |
| $\mathbf{3 5 5}$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |


| Col 8 |
| :--- |
| $\mathbf{3 5 6}$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |
| $-\%$ |


| Col 9 | Col 10 | Col 11 |
| :---: | :---: | :---: |
| 357 | 358 | 359 |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |
| -\% | -\% | -\% |

## 3) Calculation of Non-Incentive ISO Reserve

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

52


## Schedule 8

Accumulated Depreciation
4) Other Transmission Activity (See Note 8)


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,
) 1 ) 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.
) 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 Deferred Tax Liabilities

Cells shaded yellow are input cells

1) Summary of Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities
a) End of Year Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities rred Income Taxes and Net Excess Deferred
Col 1

| Line | Account | Balance | Source |
| :---: | :---: | :---: | :---: |
| 1 | Account 190 | \$ | Line 353, Col. 2 |
| 2 | Account 282 | \$ | Line 452, Col. 2 |
| 3 | Account 283 | \$ | Line 803, Col. 2 |
| 4 | Net Excess/Deficient Deferred Tax Liability/Asset-2017 TCAJA | \$ | FF1 278, see Notes 4 and 5 |
| 5 | Total Accumulated Deferred Income Taxes | \$ | Sum of Lines 1 to 4 |
| 6 | and Net Excess Deferred Tax Liabilities |  |  |
| 7 | b) Beginning of Year Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities |  |  |
| 8 | BOY |  |  |
| 9 |  | Balance | Source |
| 10 | Total Accumulated Deferred Income Taxes | \$ | Previous Year Informational Filing, Line 5, Col. 2 |
| 11 |  |  |  |
| 12 | c) Prorata Average of Beginning and End of Year Accumulated Deferred Income Taxes and Net Excess Deferred Tax Liabilities |  |  |
| 13 | Average |  |  |
| 14 |  | ADIT | Source |
| 15 | Prorata Average Balance: | \$ | Line 817, Column 8 |








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







$\begin{array}{llllllll}235 & \text { December } & - & \$ & - & \text { \$ } & & \\ 236 & \text { 13-Month Averages: } & & & & & & \\ & & & & & & & \end{array}$
236 13-Month Averages:


| 287 | December | - | $\$$ | $-\$$ | $-\$$ | $-\$$ | $-\$$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 288 | 13-Month Averages: |  |  |  |  |  |  |



Notes:

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

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, $133-157,159-183,185-209,211-235,237-261,263-287,289-313, \ldots$.

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.


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 - Note 1 Source

7 \$ Note 1
Transmission PHFU: $\quad$ Beginning of Year Balance $\quad$ End of Year Balance $\quad-\quad$ Source

Average of BOY and EOY
9 Transmission PHFU:
\$
Sum of Line 8 / 2

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

10 Gain or Loss on Transmission Plant Held for Future Use --- Land $\qquad$ 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 $2 \mathrm{a}, 2 \mathrm{~b}$, 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 $2 \mathrm{i}, \mathrm{j}, \mathrm{k}$, 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.

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.


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.

| Amount for <br> Prior Year |  |
| :--- | :--- |
| $\$$ | Note: |
| $\$$ | - |
| Sum of projects below for PY. |  |
| $\$$ | - |$\quad$| Sum of projects below for PY. |
| :--- |
| $\$$ |


|  | Year | EOY <br> Abandoned Plant |  | EOY HV <br> Abandoned Plant <br> (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 | \$ | - | \$ |  | \$ |  |


| 2nd Project: Fill in Name |  |  |  | Abandoned <br> Plant <br> Amort. <br> Expense |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | EOY <br> Abandoned Plant |  | EOY HV <br> Abandoned Plant <br> (Note 1) |  |  |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |
| \$ | - | \$ | - | \$ | - |

## 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

1) Calculation of Materials and Supplies

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

| Line | Month | Year | Data Source |  |  | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | December | - | FF1 227.12b | \$ | - | Beginning of year ("BOY") amount |
| 2 | January | - | SCE Records | \$ | - |  |
| 3 | February | - | SCE Records | \$ | - |  |
| 4 | March | - | SCE Records | \$ | - |  |
| 5 | April | - | SCE Records | \$ | - |  |
| 6 | May | - | SCE Records | \$ | - |  |
| 7 | June | - | SCE Records | \$ | - |  |
| 8 | July | - | SCE Records | \$ | - |  |
| 9 | August | - | SCE Records | \$ | - |  |
| 10 | September | - | SCE Records | \$ | - |  |
| 11 | October | - | SCE Records | \$ | - |  |
| 12 | November | - | SCE Records | \$ | - |  |
| 13 | December | - | FF1 227.12c | \$ | - | End of Year ("EOY") amount |
| 14 | 13-M | verage | lue Account 154: | \$ | - | (Sum Line 1 to Line 13) / 13 |
| 15 | Tran | n Wa | and Salaries AF: |  | - \% | 27-Allocators, Line 9 |
| 16 | Materials an | lies | EOY Value: | \$ | - | Line 13 * Line 15 |
| 17 |  | 13-M | h Average Value: | \$ | - | 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 <br> Source |  |  | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: |
| December | - | Note 1, c | \$ | - | See Note 1, c |
| January | - | SCE Records | \$ | - |  |
| February | - | SCE Records | \$ | - |  |
| March | - | SCE Records | \$ | - |  |
| April | - | SCE Records | \$ | - |  |
| May | - | SCE Records | \$ | - |  |
| June | - | SCE Records | \$ | - |  |
| July | - | SCE Records | \$ | - |  |
| August | - | SCE Records | \$ | - |  |
| September | - | SCE Records | \$ | - |  |
| October | - | SCE Records | \$ | - |  |
| November | - | SCE Records | \$ | - |  |
| December | - | Note 1, f | \$ | - | See Note 1, f |
| a) 13-Month Average Calculation |  |  |  |  |  |
|  | 13-M | Average Value: | \$ | - | (Sum Line 18 to Line 30) / 13 |
| Tran | W Wag | and Salaries AF: |  | - \% | 27-Allocators, Line 9 |
|  |  | Prepayments: | \$ | - | Line 31 * Line 32 |
| b) EOY calculation |  |  |  |  |  |
|  |  | EOY Value: | \$ | - | Line 30 |
| Transmission Wages and Salaries AF: |  |  |  | - \% | 27-Allocators, Line 9 |
|  |  | Prepayments: | \$ |  | 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: | \$ |  | - | FF1 111.57d |
| b | Prior Period Adjustment: | \$ |  | - | Note 1 |
| c | BOY Prepayments Amount: | \$ |  | - | $\mathrm{a}-\mathrm{b}$ |
|  | d of Year Amount |  | Prepayments Balances |  | Source |
| d | FERC Form 1 Acct. 165 Recorded Amount: | \$ |  | - | FF1 111.57c |
| e | Prior Period Adjustment: | \$ |  | - | Note 1 |
| f | EOY Prepayments Amount: | \$ |  | - | d-e |

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

Input data is shaded yellow
A) Summary of Incentive Project plant balances receiving ROE incentives
("Transmission Incentive Plant") and/or CWIP ("CWIP Plant") and calculation
of balances needed to determine the following:

1) Rate Base in Prior Year
2) Prior Year Incentive Rate Base - End of Year
3) Prior Year Incentive Rate Base - 13-Month Average

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

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

|  | Col 1 |  |  | Col 2 Col 3 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | Prior Year |  | Forecast Period |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | rage |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Project |  |  |  | Amount |  |  |  | Notes: |
| 1) Tehachapi | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 13, 14, and 80 |
| 2) Devers-Colorado River | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 13, 14, and 106 |
| 3) South of Kramer | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 13, 14, and 132 |
| 4) West of Devers | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 13, 14, and 158 |
| 5) Red Bluff | \$ |  | \$ |  | - | \$ | - | 10-CWIP Lines 13, 14, and 184 |
| 6) Whirlwind Substation Exp. | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 27, 28, and 210 |
| 7) Colorado River Sub. Exp. | \$ |  | \$ |  | - | \$ |  | 10-CWIP Lines 27, 28, and 236 |
| 8) | \$ |  | \$ |  | - | \$ | - | 10-CWIP Lines 27, 28, and 262 |
| 9) | \$ |  | \$ |  | - | \$ | - | 10-CWIP Lines 27, 28, and 288 |

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

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


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




|  | g) Whirlwind | n Ex | sio |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Col 1 |  |  |  |  | Col 3 |  |  |  |
|  | Prior |  |  |  |  |  |  |  | $=\mathrm{C} 1-\mathrm{C} 2$ |  |  |  |
|  | Year |  |  | Plant |  |  |  |  | Net Plant |  |  |  |
|  | Month | Year |  | In-Service |  |  |  |  | In Service |  |  |  |
| 131 | December | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 132 | January | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 133 | February | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 134 | March | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 135 | April | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 136 | May | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 137 | June | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 138 | July | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 139 | August | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 140 | September | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 141 | October | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 142 | November | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 143 | December | - | \$ |  | - | \$ | - | \$ |  |  | \$ |  |


|  | h) Colorado River Substation Expansion |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Col 1 |  |  | Col 2 |  | Col 3 |  |  | $=\mathrm{C} 1 \text { - Previous }$ |  |
|  |  |  |  |  |  |  |  |  | $=\mathrm{C} 1-\mathrm{C} 2$ <br> Net Plant <br> In Service |  | Month C1 <br> Transmission Activity |  |
|  | Year <br> Month | Year |  | Plant |  | Accumulated |  |  |  |  |  |  |
| 144 | December |  | \$ |  | - | \$ |  | \$ |  |  |  |  |
| 145 | January | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 146 | February | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 147 | March | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 148 | April | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 149 | May | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 150 | June | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 151 | July | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 152 | August | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 153 | September | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 154 | October | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 155 | November | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 156 | December | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
|  | i) |  |  | Col 1 |  |  |  |  | Col 3 |  |  |  |
|  |  |  |  |  |  |  |  |  | $=\mathrm{C} 1-\mathrm{C} 2$ |  |  |  |
|  | Prior |  |  |  |  |  |  |  |  |  |  |  |
|  | Year |  |  | Plant |  |  |  |  | Net Plant |  |  |  |
|  | Month | Year |  | In-Service |  |  |  |  | In Service |  |  |  |
| 157 | December | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 158 | January | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 159 | February | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 160 | March | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 161 | April | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 162 | May | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 163 | June | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 164 | July | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 165 | August | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 166 | September | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 167 | October | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 168 | November | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 169 | December | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
|  | j) |  |  | Col 1 |  |  |  |  | Col 3 |  |  |  |
|  |  |  |  |  |  |  |  |  | $=\mathrm{C} 1-\mathrm{C} 2$ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Year |  |  |  |  |  |  |  | Net Plant |  |  |  |
|  | Month | Year |  | In-Service |  |  |  |  | In Service |  |  |  |
| 170 | December | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 171 | January | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 172 | February | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 173 | March | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 174 | April | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 175 | May | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 176 | June | - | \$ |  | - | \$ | - | \$ |  | - | \$ |  |
| 177 | July | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 178 | August | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 179 | September | - | \$ |  | - | \$ | - | \$ |  | - | \$ | - |
| 180 | October | - | \$ |  | - | \$ | - | \$ |  |  | \$ | - |
| 181 | November | - | \$ |  | - | \$ | - | \$ |  |  | \$ | - |
| 182 | December | - | \$ |  | - | \$ | - | \$ |  |  | \$ | - |

6) Summary of Incentive Projects and incentives granted


## 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 $=\operatorname{CSCP} * 0.01^{*}(1 /(1-\operatorname{CTR})) * \$ 1,000,000$
where:
CSCP = Common Stock Capital Percentage
CTR = Composite Tax Rate

|  | Value | Source |
| :--- | :---: | :--- |
|  | $-\%$ | 1-BaseTRR, L 47 |
| IREF $=\$$ |  | $\underline{-\%}$ |

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 $1 \%$.

|  | Multiplicative |  |  |
| :--- | :---: | :---: | :---: |
| 1) Rancho Vista | ROE Adder | Factor | Source |
| 2) Tehachapi | $-\%$ | - | 14-IncentivePlant, L 184 |
| 3) Devers to Col. River | $-\%$ | - | 14-IncentivePPlant, L 187 |

3) Calculation of Prior Year Incentive Adder (EOY)
4) 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.

|  |  |  | Multiplicative Factor |  | Prior Year Incentive Adder |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1) Rancho Vista | \$ | - | -- | \$ |  |
| 2) Tehachapi | \$ | - | -- | \$ |  |
| 3) Devers to Col. River | \$ | - | -- | \$ |  |

- Sum of above PY Incentive Adders for each individual project

4) Calculation of True-Up Incentive Adder
5) 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.
6) Sum project-specific Incentive Adders to yield the total True Up Incentive Adder.

7) Calculation of Total ROE for Plant-In Service in the True Up TRR
a) Transmission Incentive Plant Net Plant In Service

| Incentive | 13-Month Avg. <br> TIP Net Plant |  |
| :--- | :--- | :--- |
| Project | In Service | Source |
| 1) Rancho Vista | $\$$ | - |
| 2) Tehachapi | $\$$ | - |
| 14-IncentivePlant, L 19, Col. 3 |  |  |
| 3) Devers to Col. River | $\$$ | - |
| 14-IncentivePlant, L 20, Col. 3 |  |  |
| 14-IncentivePlant, L 21, Col. 3 |  |  |

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

|  |  | Col 1 | Col 2 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | After-Tax |  |  |  |  |  |
|  | True Up Incentive |  |  | True Up |  |  |
| Incentive |  |  |  | Incentive |  |  |
| Project |  | Adder |  | Adder |  | Source |
| 1) Rancho Vista | \$ |  | - \$ |  | - | See Note 1 |
| 2) Tehachapi | \$ |  | - \$ |  | - | See Note 1 |
| 3) Devers to Col. River | \$ |  | - \$ |  | - | See Note 1 |
|  |  |  |  |  |  | See Note 1 |

Total: \$
c) Equity Portion of Plant In Service Rate Base

|  |  |  |  | Source |
| :---: | :---: | :---: | :---: | :---: |
|  | Total Rate Base: | \$ | - | 4-TUTRR, Line 18 |
|  | CWIP Portion of Rate Base: | \$ | - | 4-TUTRR, Line 14 |
|  | Plant In Service Rate Base: | \$ | - | Line 31 - Line 32 |
|  | Equity percentage: |  | - \% | 1-BaseTRR, Line 47 |
| Equity Portion | Plant In Service Rate Base: | \$ | - | Line 33 * Line 34 |

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

| Plant In Service ROE Adder Percentage: | $-\%$ | Line 30 / Line 35 |
| ---: | :---: | :--- |
| Base ROE (Including 50 basis point |  |  |
| CAISO Participation Adder): | $\underline{-\%}$ | 1-BaseTRR, Line 50 |
| ROE for Plant In Service in True Up TRR: | $-\%$ | 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

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.


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


## 4) ISO Corporate Overhead Loader



## 6) AFUDC Loader Rate <br> Line



Notes:

1) Forecast Period is the calendar year two years after the Prior Year (i.e., $\mathrm{PY}+2$ )
2) Sum of

## 1) Calculation of Depreciation Expense for Transmission Plant - ISO

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


| 16 | Mo/YR | 350.1 | 350.2 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17a | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17b | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17c | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17d | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17e | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17f | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17 g | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17h | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17i | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17j | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17k | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 171 | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |
| 17m | - | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% | - \% |

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


```
2) Calculation of Depreciation Expense for Distribution Plant - ISO
40
42 Distribution Plant-ISO BOY $
3 Distribution Plant - ISO EOY
4 Average BOY/EOY :
46 Depreciation Rates (Percent per year) See "18-DepRates".
47
49
50
```



```
54 $
3) Calculation of Depreciation Expense for General Plant and Intangible Plant
Total General Plant Depreciation Expense
Total Intangible Plant Depreciation Expense
O Sum of Total General and Total Intangible Depreciation Expense
Transmission Wages and Salaries Allocation Factor
62 General and Intangible Depreciation Expense
63
4) Depreciation Expense
66 Depreciation Expense is the sum of:
66 Depreciation Expense is the sum of: 
68 2) Depreciation Expense for Distribution Plant - ISO
69 3) General and Intangible Depreciation Expense
70
```


## Notes:

```
Depreciation Expense:
```



```
Line 53
Line }6
1) Depreciation Expense for each account for each month is equal to the previous month balance of Transmission Plant - ISO for th
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.
```

Schedule 18
Depreciation Rates

## Depreciation Rates

| Line | ssion Plant FERC Account | - ISO $\quad$ Description | Plant <br> Less Salvage | Removal Cost | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 350.1 | Fee Land | 0.00\% | 0.00\% | 0.00\% |
| 2 | 350.2 | Easements | 1.67\% | 0.00\% | 1.67\% |
| 3 | 352 | Structures and Improvements | 1.79\% | 0.62\% | 2.41\% |
| 4 | 353 | Station Equipment | 2.39\% | 0.45\% | 2.84\% |
| 5 | 354 | Towers and Fixtures | 1.20\% | 1.53\% | 2.73\% |
| 6 | 355 | Poles and Fixtures | 1.06\% | 1.78\% | 2.84\% |
| 7 | 356 | Overhead Conductors and Devices | 0.78\% | 2.46\% | 3.24\% |
| 8 | 357 | Underground Conduit | 1.73\% | 0.00\% | 1.73\% |
| 9 | 358 | Underground Conductors and Devices | 1.62\% | 0.79\% | 2.41\% |
| $\begin{aligned} & 10 \\ & 11 \end{aligned}$ | 359 | Roads and Trails | 1.65\% | 0.00\% | 1.65\% |
|  |  |  |  |  |  |
| 2) Distribution Plant - ISO |  |  | Plant |  |  |
|  | FERC Account | Description | Less Salvage | Removal Cost | Total |
| 12 | 360 | Land and Land Rights | 1.67\% | 0.00\% | 1.67\% |
| 13 | 361 | Structures and Improvements | 1.75\% | 0.64\% | 2.39\% |
| 14 | 362 | Station Equipment | 1.32\% | 0.69\% | 2.01\% |


| 3) General Plant <br> FERC <br> Account <br> Description | Plant <br> Less <br> Salvage | Removal Cost | Total |
| :---: | :---: | :---: | :---: |
| 389 Land and Land Rights | 1.67\% | 0.00\% | 1.67\% |
| 390 Structures and Improvements | 1.81\% | 0.27\% | 2.08\% |
| 391.1 Office Furniture | 5.00\% | 0.00\% | 5.00\% |
| 391.5 Office Equipment | 20.00\% | 0.00\% | 20.00\% |
| 391.6 Duplicating Equipment | 20.00\% | 0.00\% | 20.00\% |
| 391.2 Personal Computers | 20.00\% | 0.00\% | 20.00\% |
| 391.3 Mainframe Computers | 20.00\% | 0.00\% | 20.00\% |
| 391.7 PC Software | 20.00\% | 0.00\% | 20.00\% |
| 391.4 DDSMS - CPU \& Processing | 14.29\% | 0.00\% | 14.29\% |
| 391.4 DDSMS - Controllers, Receivers, Comm. | 10.00\% | 0.00\% | 10.00\% |
| 391.4 DDSMS - Telemetering \& System | 6.67\% | 0.00\% | 6.67\% |
| 391.4 DDSMS - Miscellaneous | 5.00\% | 0.00\% | 5.00\% |
| 391.4 DDSMS - Map Board | 4.00\% | 0.00\% | 4.00\% |
| 393 Stores Equipment | 5.00\% | 0.00\% | 5.00\% |
| 395 Laboratory Equipment | 6.67\% | 0.00\% | 6.67\% |
| 398 Misc Power Plant Equipment | 5.00\% | 0.00\% | 5.00\% |
| 397 Data Network Systems | 20.00\% | 0.00\% | 20.00\% |
| 397 Telecom System Equipment | 14.29\% | 0.00\% | 14.29\% |
| 397 Netcomm Radio Assembly | 10.00\% | 0.00\% | 10.00\% |
| 397 Microwave Equip. \& Antenna Assembly | 6.67\% | 0.00\% | 6.67\% |
| 397 Telecom Power Systems | 5.00\% | 0.00\% | 5.00\% |
| 397 Fiber Optic Communication Cables | 4.00\% | 0.00\% | 4.00\% |
| 397 Telecom Infrastructure | 2.50\% | 0.00\% | 2.50\% |
| 392 Transportation Equip. | 14.29\% | 0.00\% | 14.29\% |
| 394.4 Garage \& Shop -- Equip. | 10.00\% | 0.00\% | 10.00\% |
| 394.5 Tools \& Work Equip. -- Shop | 10.00\% | 0.00\% | 10.00\% |
| 396 Power Oper Equip | 6.67\% | 0.00\% | 6.67\% |


| 4) Intangible Plant <br> FERC <br> Account |  | Description | Plant <br> Less <br> Salvage | Removal Cost | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 42 | 302 | Hydro Relicensing | 2.47\% | 0.00\% | 2.47\% |
| 43 | 303 | Radio Frequency | 2.50\% | 0.00\% | 2.50\% |
| 44 | 301 | Other Intangibles | 5.00\% | 0.00\% | 5.00\% |
| 45 | 303 | Cap Soft 5yr | 20.31\% | 0.00\% | 20.31\% |
| 46 | 303 | Cap Soft 7yr | 14.62\% | 0.00\% | 14.62\% |
| 47 | 303 | Cap Soft 10yr | 12.93\% | 0.00\% | 12.93\% |
| 48 | 303 | Cap Soft 15yr | 8.48\% | 0.00\% | 8.48\% |

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

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


|  | Col 1 | Col 2 |  |  |  | Col 3 | Col 4 |  |  | Col 5 | Col 6 |  |  | Col 7 |  |  | Col 8 |  |  | $=\mathrm{C} \frac{\mathrm{Col} 9}{10+\mathrm{C} 11}$ |  |  | $=\frac{\text { Col } 10}{C 3+C 7}$ |  |  | $=\frac{\text { Col } 11}{\mathrm{C} 4+\mathrm{C} 8}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Account/Work Activity Rev | Total Recorded O\&M Expenses |  |  |  |  |  |  |  | Adjustments |  |  |  |  |  |  |  |  |  | Adjusted Recorded O\&M Expenses |  |  |  |  |  |  |  |
|  |  |  | Total |  |  | Labor |  |  | on-Labor | Reason |  | Total |  |  | Labor |  |  | Non-Labor |  |  | Total |  |  | Labor |  |  |  |
| Distribution Accounts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | 582 - Station Expenses | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | S |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |
| 36 | 590 - Maintenance Supervision and Engineering | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |
| 37 | 591 - Maintenance of Structures | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |
| 38 | 592 - Maintenance of Station Equipment | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |
| 39 | Accounts with no ISO Distribution Costs | \$ |  | - | \$ |  | - |  |  | - | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |
| 40 | Distribution NOIC (Note 3) |  |  |  |  |  |  |  | - |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |
| 41 | Total Distribution O\&M | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  |
| 42 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 43 | Total Transmission and Distribution O\&M | \$ |  | - | \$ |  |  |  |  |  | \$ |  | - | \$ |  | - | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  |
| 44 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45 | Total Transmission O\&M Expenses in FERC Form 1: | \$ |  | - |  | 321.112b |  |  | tequal Line | Column 2. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 46 | Total Distribution O\&M Expenses in FERC Form 1: | \$ |  | - |  | 322.156b |  |  | equal Line | olumn 2. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 47 | Total TDBU NOIC | \$ |  |  |  | andG, No |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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



Notes: "Adju Ore
) Reasons for excluded amounts:
A: Exclude entire amount, all attributable to CAISO costs recovered in Energy Resource Recovery Account.
: 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.
F: Excludes shareholder funded cost
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:

| Transmission NOIC Percentage: | Percentage | Calculation <br> Distribution NOIC Percentage: |
| :--- | ---: | :--- |
|  | $-\%$ | Line 33, Col 3 Line 43, Col 3 |
|  | $-\%$ | 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:
5) "ISO Operations and Maintenance Expenses" is the amount of costs in each Transmission or Distribution account related to ISO Transmission Facilities.
6) "ISO Operations and Maintenance Expenses" is the amount
7) SCE shall make no adjustments to recorded labor amounts related to non-labor labor and/or Indirect labor in Schedule 19


## Schedule 20

## Administrative and General Expenses

## 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.

|  |  |  |  |
| ---: | :--- | :--- | :--- |
| Accrued NOIC Amount: | $\$$ | Source |  |
| Actual A\&G NOIC payout: | $\$$ |  | SCE Records |
| Adjustment: | $\$$ | - | Note 2, d |

Actual non-capitalized NOIC Payouts:

Trans. And Dist. Business Unit $\qquad$ SCE Records and Workpapers SCE Records and Workpapers SCE Records and Workpapers Sum of $d$ to $f$

## Note 3: PBOPs Exclusion Calculation

a Current Authorized PBOPs Expense Amount:

## Amount

Note:

## Prior Year Authorized PBOPs Expense Amount

Prior Year FF1 PBOPs expense

## \$18,219,000

See instruction \#4
Authorized PBOPs Expense Amount during Prior Year SCE Records
PBOPs Expense Exclusion:

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 2

is calculated in Note 2. The PBOPs exclusion in Column 4, Line 30 is calculated in Note 3.
a) Exclude amount of any Shareholder Adjustments, costs incurred on behalf of SCE shareholders, from relevant account in Column 1.
b) Include as an adjustment in Column 1 for Account 920 any amount excluded from Accounts 569.100, 569.200, and 569.300
in Schedule 19 (OandM) related to Order 668 costs transferred
c) Exclude entire amount of account 927 "Franchise Requirements" in Column 2, as those costs are recovered
through the Franchise Fees Expense item.
d) Exclude any amount of Account 930.1 "General Advertising Expense" not related to advertising for safety,
siting, or informational purposes in column 1.
e) Exclude any amount of expense relating to secondary land use and audit expenses not directly benefitting utility customers
f) Exclude from account 930.2 :

1) Nuclear Power Research Expenses.
2) Write Off of Abandoned Project Expenses
3) Any advertising expenses within the Consultants/Professional Services category.
g) Exclude the following costs included in any account 920-935.
4) Any amount of "Provision for Doubtful Accounts" costs.
) Any amount of "Accounting Suspense" costs.
5) Any penalties or fines
6) Any amount of costs recovered $100 \%$ through California Public Utilities Commission ("CPUC") rates
7) NOIC adjustment in Column 3, Line 24 is made by determining the difference between the total accrued NOIC amount
included in the FERC Form 1 recorded cost amounts and the actual A\&G NOIC payout (see note 2 ).
NOIC adjustment in column 3, Line 26 is made by entering the amount of accrued NOIC that is capitalized.
8) Determine the PBOPs exclusion. The authorized amount of PBOPs expense (line a) may only be revised
pursuant to Commission acceptance of an SCE FPA Section 205 filing to revise the authorized PBOPs expense,
in accordance with the tariff protocols. Accordingly, any amount different than the authorized PBOPs expense
during the Prior Year is excluded from account 926 (see note 3). Docket or Decision approving authorized PBOPs amount:
9) SCE shall make no adjustments to recorded labor amounts related to non-labor labor and/or Indirect labor in Schedule 20.



## Schedule 21 Revene




44 Total Revenue Credits:
Notes:
1- CPUC Jurisdictional service related.
Subject to sharing per the Gross Revenue Sharing Mechanism (GRSM), adopted in CPUC D.99-09-070. On an annual basis,
once SCE obtains $\$ 16$. Revenues) that SCE Incremental Gross Revenues are shared $90 / 10$ between shareholders and ratepayers. For those categories deemed Pastive the the Incremental Gross Revenues are shared $70 / 30$ between shareholders and ratepayers.
$\begin{array}{ll}\text { 3- } & \text { Generation related. } \\ 4- & \text { Non-ISO facilites }\end{array}$
4- Non-ISO facilities related.
5.
ISO transmission system related
6- Subject to balancing account treatment $\quad$ Allocated based on CPUC GRC allocator in effect during the Prior Year. The weighted average (by time) shall be used it more than one allocator is in effect during the Prior Year $\qquad$
Source: -- -
ISO Allocator $=-\%$
ISO portion of Traditional OOR relates to monthly revenues received from customers for facilities that are part of the ISO
ISO portio
9- Edison ESI is a subsidiary company. Gross revenues are not reported in FF-1, only net earnings. Net Earnings for ESI are

The | Act 418.1, pg 225.5 . |
| :--- |

The first $\$ 16,671,389$ million in gross revenues generated by GRSM activities are automatically classified as Threshold
11- Allocator is equal to the jurisdictional split of the Threshold Revenue, which is jurisdictionalized as $\$ 5.425 \mathrm{M}$ to FERC
ratepayers and $\$ 11.246 \mathrm{M}$ to CPUC ratepayers per the 2009 CPUC General Rate Case (D. 09-03-025). The ISO ratepayers
share of ratepayer revenue is $\$ 5.425 \mathrm{M} / \$ 16.671 \mathrm{M}=32.54 \%$.
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 $=-\%$
13- Mono Power Company is a subsidiary company. Net Earnings are reported on Acct 418.1, pg 225.11 e. Revenues and costs shall be non-ISO
14-
SCE Capital Company is a subsidiary company Net Earning are reported on
14- SCE Capital Company is a subsidiary company. Net Earnings are reported on Accl $418.1, \mathrm{pg} 225.23 e$. Revenues and cosis shal be non-ISO
$15-\quad$ Southern States Realy is a subsidiary company. Gross revenues are not reported in $\mathrm{FF}-1$ 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 30 D contains the associated expenses
Per GRC Decision D.87-12-066, for ratemaking purposes EMS financials are consolidated with SCE's. See FERC Form 1 page 123.3 under "Equity Investment Differences". Consequently, net income of EMS is not reported separael To ensure that ratepayers receive the net income from this subsidiary
of line 30 to remain consistent with the totals reported in FERC Form 1.

Schedule 22
Network Upgrade Credits and Interest Expense

## NETWORK UPGRADE CREDIT AND INTEREST EXPENSE

1) Beginning of Year Balances: (Note 1)
Outstanding Network Upgrade Credits Recorded in FERC Acct 252
Acct 252 Other
Total Acct 252 - Customer Advances for Construction

Prior Year:
-
-

|  | Balance |  |
| :--- | :--- | :--- |
| $\$$ |  | Notes |
| $\$$ |  | See Note 1 |
| $\$$ |  | - |

## 2) End of Year Balances: (Note 2)

Outstanding Network Upgrade Credits Recorded in FERC Acct 252
Acct 252 Other
Total Acct 252 - Customer Advances for Construction

| $\$$ | - | See Note 3 |
| :--- | :--- | :--- |
| $\$$ | - | Line 6-Line 4 |
|  | FF1 113.56c |  |

7 Average Outstanding Network Upgrade Credits Beginning and End of Year

Interest On Network Upgrade Credits Recorded in FERC Acct 242
Acct 242 Other
10 Total Acct 242 - Miscellaneous Current and Accrued Liabilities

| $\$$ | - | (Line 1 + Line 4) / |
| :--- | :--- | :--- |
|  |  | See Note 4 |
| $\$$ | - | Line 10-Line 8 |
| $\$$ | - | FF1 113.48c |

Notes:
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.

# Schedule 23 

Regulatory Assets and Liabilities

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

$\frac{\text { Line }}{1}$
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

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

## Col 3

Prior Year

## Amortization or

Regulatory
Debit/Credit
\$
\$
\$
\$

Col 2
Prior Year
EOY
Other Reg
Asset/Liability

Col 1
Prior Year
BOY
Other Reg
Asset/Liability

Prior Year
\$
\$
\$

Sum of Column 2 below

- Avg. of Sum of Cols. 1 and 2 below

Sum of Column 3 below
Description of Issue
Resulting in Other Regulatory

Issue \#1
Issue \#2
Issue \#3
Totals:
Asset/Liability

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.

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



| b) Return: |  | EOY <br> Amount | Average Amount | Source |
| :---: | :---: | :---: | :---: | :---: |
|  | CWIP Amount: | - | - | Line 12 |
|  | Cost of Capital Rate: | - \% | - \% | 1-BaseTRR, Line 54 |
|  | Cost of Capital: | - | - | Line 13 * Line 14 |

c) Income Taxes

d) ROE Incentives:
$\operatorname{IREF}=\$ \quad$ Value $\quad-\quad \begin{gathered}\text { Source } \\ \text { 15-IncentiveAdder, Line } 3\end{gathered}$

1) Tehachapi

2) Devers to Colorado River


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


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

1) Contribution to the Prior Year TRR

2) Contribution to the True Up TRR

3) Contribution from the Incremental Forecast Period TRR
a) Total of all CWIP projects

|  |  | Value | Source |
| :---: | :---: | :---: | :---: |
| Forecast Period Incremental CWIP: | \$ | - - | Line 12, Col 3 |
| AFCRCWIP: |  | - \% | 2-IFPTRR, Line 16 |
| CWIP component of IFPTRR without FF\&U: | \$ | - | Line 63 * Line 64 |
| FF\&U: | \$ | - | Line 65 * (28-FFU, |
| CWIP component of IFPTRR including FF\&U: | \$ | - | Line 65 + Line 66 |

b) Individual Project Contribution

| Project |  | Amount <br> wo FF\&U |  | Amount <br> with FF\&U |  | Source |
| ---: | :---: | :---: | :---: | :--- | :--- | :--- |

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

## a) Total of all CWIP projects

PY Total Return, Taxes, Incentive: $\$$
CWIP component of IFPTRR wo FF\&U: $\$$
Total without FF\&U: $\$$
FF Factor:
U Factor:
Franchise Fees Amount: $\$$
Uncollectibles Amount: $\$$
Total Contribution of CWIP to Retail Base TRR: $\$$
Total Contribution of CWIP to Wholesale Base TRR: $\$ 0$

| Value |  | Source |
| ---: | :--- | :--- |
| - | Sum Line 33 to 36 |  |
| - | Line 65 |  |
| - | Line 80 + Line 81 |  |
| $-\%$ | 28-FFU, Line 5 |  |
| $-\%$ | 28-FFU, Line 5 |  |
| - | Line 82 * Line 83 |  |
| - | Line 82 * Line 84 |  |
| - | Line $82+$ Line $85+$ Line 86 |  |
| - | Line $82+$ Line 85 |  |

b) Individual CWIP Project Contribution to the Retail Base TRR

c) Individual CWIP Project Contribution to the Wholesale Base TRR

|  |  | $\frac{\text { Col } 1}{\text { PYTRR }}$ wo FF\&U |  |  | Col 2 IFPTRR <br> wo FF\&U |  |  | Col 3 FF |  |  | Col 4 Total |  | Source |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tehachapi: | + |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| Devers to Colorado River: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| South of Kramer: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| West of Devers: | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| Red Bluff: | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| Whirlwind Sub Expansion: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| Colorado River Sub Expansion: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
|  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
|  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
|  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
|  | \$ |  |  | \$ |  | - | \$ |  | - | \$ |  | - | Note 6 |
| Totals: | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - |  |

## Notes:

1) (Sum Lines 33 to 36) * (FF + U Factors from 28-FFU) for Prior Year TRR
(Sum Lines 33 to 36) * (FF Factor from 28-FFU) for True Up TRR
2) Project Cost of capital is a fraction of total Cost of Capital on Line 15 based on fraction of project CWIP Balances on Lines 1 to 12 , Col 1 . Project Income Taxes is a fraction of total Income on Line 19 based on fraction of project CWIP Balances on Lines 1 to 12, Col 1. ROE Adder is from Lines 35 and 36. FF\&U Expenses are based on FF\&U Factors on 28-FFU.
3) Project Cost of capital is a fraction of total Cost of Capital on Line 15 based on fraction of project CWIP Balances on Lines 1 to 12 , Col 2. Project Income Taxes is a fraction of total Income on Line 19 based on fraction of project CWIP Balances on Lines 1 to 12, Col 2. ROE Adder is from Lines 35 and 36. FF\&U Expenses are based on FF\&U Factors on 28-FFU.
4) Project contribution to total IFPTRR is based on fraction of Forecast Period CWIP Balances on Lines 1 to 12, Col 3.
5) Column 1 is from Lines 39 to 49, Sum of Column 1-3 (no FF\&U).

Column 2 is from Lines 68 to 78 (no FF\&U).
Column 3 is the product of ( $\mathrm{C} 1+\mathrm{C} 2$ ) and the sum of FF and U factors (28-FFU, L5)
6) Same as Note 5 except no Uncollectibles Expense in Column 3.

# Schedule 25 <br> Wholesale Differences to Base TRR 

## Calculation of Wholesale Difference to the Base TRR

Inputs are shaded yellow
The Wholesale Difference to the Base TRR represents the amount by which the Wholesale Base TRR differs as compared to the Retail Base TRR. This difference is attributable to differences in the following six items, as approved by Commission Order 86 FERC ๆ 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:

| Expense <br> (Amortization) <br> Difference | Expense <br> Tax Impact |
| :---: | :---: |
|  | No |
| Yes | Yes |
| Yes | Yes |
| Yes | No |
| Yes | 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:

Col 1
2010 Rate Base Difference (Wholesale less Retail)
\$31,556,000
-\$35,044,000
-\$624,650
$-\$ 7,410,000$

Col 2
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

1) Accumulated Depreciation
2) Taxes Deferred - Make Up Adjustment
3) Excess Deferred Taxes
4) Taxes Deferred - Acct. 282 ACRS/MACRS

| Rate Base |
| :---: |
| Difference |
| Yes |
| Yes |
| Yes |
| Yes |
| No |
| No |

Schedule 25
Wholesale Differences to Base TRR

25
c) Calculation of EPRI and EEI Dues Exclusion
EPRI Dues
EEI Dues
Sum of EPRI and EEI Dues
Transmission Wages and Salaries Allocation Factor
EPRI and EEI Dues Exclusion
d) Total Expense Difference

## Source

SCE Records
SCE Records
Line $27+28$
27-Allocators, Line 9
Line 29 * 30

Notes/Instructions

| $\$$ | - |
| :--- | ---: |
| $\$$ | - |
| $\$$ | $-\%$ |
| $\$$ | - |

## Notes/Instructions

1) Wholesale Depreciation Difference
2) Taxes Deferred - Make Up Adjustment
3) Excess Deferred Taxes
4) Taxes Deferred - Acct. 282 ACRS/MACRS
5) EPRI and EEI Dues Exclusion
6) Additional Expense Difference

## Note 5

 Note 5
## 3) Calculation of the Wholesale Difference to the Base TRR

39 Wholesale Rate Base Adjustment
40 Expense Difference
41 Uncollectibles Expense -- Prior Year TRR
42 Uncollectibles Expense -- IFPTRR
43 Subtotal:
44 Franchise Fee Exclusion
45 Wholesale Difference to the Base TRR:

Source

| Line 15 |  |
| :--- | :--- |
| Line 38 | $\$$ |
| - 1-Base TRR, L 80 | $\$$ |
| - 2-IFPTRR, L 80 | $\$$ |
| Sum Line 39 to Line 42 | $\$$ |
|  | $\$$ |
| Line 43 + Line 44 | $\$$ |

Value

| $\$$ | Value |
| :--- | :--- |
| $\$$ |  |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |
| $\$$ | - |

Note 4

## 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 <br> Year | $\begin{gathered} \text { Federal } \\ \text { Income Tax } \\ \text { Rate ("FITR") } \end{gathered}$ |  | Source |
| 1 | - | - \% | Note 1, Note 4 |  |
| 2 |  |  |  |  |
| 3 | 2) Composite State Income | Tax Rate |  |  |
| 5 |  | State |  |  |
| 6 | Rate | Income Tax |  |  |
| 7 | Year | Rate ("SITR") |  | Source |
| 8 | - | - \% | Note 2 |  |

## 3) Capitalized Overhead portion of Electric Payroll Tax Expense

Total Electric Payroll Tax Expense (From 1-BaseTRR, Line 31)
Capitalization Rate (Note 3)
Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 * Line 15)
Non-Capitalized Overhead portion of Electric Payroll Tax Expense (Line 14 - Line 16)


## Notes:

1) Federal Source Statute:
2) California State Source Statue:
3) Capitalization Rate approved in: ---

For the following Prior Years:
---
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\%.

Inputs are shaded yellow

| 1) Calculation of Transmission Wages and Salaries Allocation Factor |  |  |  |
| :---: | :---: | :---: | :---: |
| ine |  | Notes | FERC Form 1 Refer or Instruction |
| 1 | ISO Transmission Wages and Salaries |  | 19-OandM Line 91, Col. |
| 2 | Total Wages and Salaries |  | FF1 354.28b |
| 3 | Less Total A\&G Wages and Salaries |  | FF1 354.27b |
| 4 | Total Wages and Salaries wo A\&G |  | Line 2 - Line 3 |
| 5 | Total NOIC (Non-Officer Incentive Compensation) |  | 20-AandG, Note 2 |
| 6 | Less A\&G NOIC |  | 20-AandG, Note 2 |
| 7 | NOIC wo A\&G NOIC |  | Line 5 - Line 6 |
| 8 | Total non-A\&G W\&S with NOIC |  | Line 4 + Line 7 |
| 9 | Transmission Wages and Salary Allocation Factor |  | Line 1 / Line 8 |
| 10 |  |  |  |
| 11 2) Calculation of Transmission Plant Allocation Factor |  |  |  |
| 12 |  | Notes | FERC Form 1 Refer or Instruction |
| 14 | Transmission Plant - ISO |  | 7-PlantStudy, Line 21 |
| 15 | Distribution Plant - ISO |  | 7-PlantStudy, Line 30 |
| 16 | Total Electric Miscellaneous Intangible Plant |  | 6-PlantInService, Line 21, |
| 17 | Electric Miscellaneous Intangible Plant - ISO |  | Line 16 * Line 9 |
| 18 | Total General Plant |  | 6 -PlantInService, Line 21, |
| 19 | General Plant - ISO |  | Line 18 * Line 9 |
| 20 | Total Plant In Service |  | FF1 207.104 g |
| 21 |  |  |  |
| 22 | Transmission Plant Allocation Factor |  | $(\mathrm{L} 14+\mathrm{L} 15$ + L17 + L19) |
| 23 |  |  |  |
| 24 3) Schedule 19 "Percent ISO" Allocation Factors (Input values are from SCE Records) |  |  |  |
| 25 |  |  |  |
| 26 | a) Line Miles | Values | Notes |
| 27 | ISO Line Miles | --- |  |
| 28 | Non-ISO Line Miles | --- |  |
| 29 | Total Line Miles | --- | = L27 + L28 |
| 30 | Line MIles Percent ISO | - \% | = L27 / L29 |
| 31 |  |  |  |
| 32 | b) Underground Line Miles | Values | Notes |
| 33 | ISO Underground Line Miles | --- |  |
| 34 | Non-ISO Underground Line Miles | --- |  |
| 35 | Total Undergound Line Miles | --- | = L33 + L34 |
| 36 | Underground Line Mlles Percent ISO | - \% | = L33 / L35 |
| 37 |  |  |  |
| 38 | c) Circuit Breakers | Values | Notes |
| 39 | ISO Circuit Breakers | --- |  |
| 40 | Non-ISO Breakers | --- |  |
| 41 | Total Circuit Breakers | --- | = L39 + L40 |
| 42 | Circuit Breakers Percent ISO | - \% | = L39 / L41 |
| 43 |  |  |  |
| 44 | d) Distribution Circuit Breakers | Values | Notes |
| 45 | ISO Distribution Circuit Breakers | --- |  |
| 46 | Non-ISO Distribution Circuit Breakers | --- |  |
| 47 | Total Distribution Circuit Breakers | --- | $=\mathrm{L} 45+\mathrm{L} 46$ |
| 48 | Distribution Circuit Breakers Percent ISO | - \% | $=\mathrm{L} 45$ / L47 |


|  | Prior Year <br> Value |  |
| :--- | :--- | :--- |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
|  |  | - |
|  |  |  |
|  | Prior Year |  |
| $\$$ | Value |  |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
| $\$$ |  | - |
|  |  | - |

Applied to Accounts
563 --Overhead Line Expenses - Allocated
567 - Line Rents - Allocated
571 - Maintenance of Overhead Lines - Allocated

Applied to Accounts
564 - Underground Line Expense
572 - Maintenance of Underground Transmission Lines

Applied to Accounts
All Other Non 0\% or 100\% Transmission O\&M Accounts

Applied to Accounts 582 - Station Expense
590 - Maintenance Supervision and Engineering
591 - Maintenance of Structures
592 - Maintenance of Station Equipment

## Schedule 28 <br> FF and U

## Franchise Fees and Uncollectibles Expense Factors

1) Approved Franchise Fee Factor(s)

| Line |
| :---: |
| 1 |

2

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 | $\frac{\text { Calculation }}{((\mathrm{L} 1 \text { FF Factor * L1 Days })+(\mathrm{L} 2 \text { FF Factor * L2 Days })) /(\mathrm{L} 1+\mathrm{L} 2 \text { Days })}$ |
| :---: | :---: | :--- |
| Prior Year FF Factor: | $-\%$ | $((\mathrm{~L} 3$ U Factor * L3 Days $)+(\mathrm{L} 4$ U Factor * L4 Days $) /(\mathrm{L} 3+\mathrm{L} 4$ Days $)$ |

## CALCULATION OF SCE WHOLESALE HIGH AND LOW VOLTAGE TRRS

| Line | TRR Values |  |  |  | Inputs are shaded yellow |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Notes | Source |
| 1 | \$ |  | = Wholesale Base TRR |  | 1-BaseTRR, Line 89 |
| 2 | \$ |  | = Total Wholesale TRBAA | Note 1 | --- |
| 3 | \$ |  | = HV Wholesale TRBAA |  | --- |
| 4 | \$ |  | = LV Wholesale TRBAA |  | --- |
| 5 | \$ |  | = Total Standby Transmission Revenues | Note 2 | SCE Retail Standby Rate Revenue |
| 6 |  |  | = HV Allocation Factor |  | 31-HVLV, Line 37 |
| 7 |  |  | = 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 |
|  | Wholesale Base TRR: | \$ |  | - | \$ |  | - | \$ |  | - | See Note 3 |
|  | CWIP Component of Wholesale Base TRR: | \$ |  |  | \$ |  | - | \$ |  | - | See Note 4 |
|  | Non-CWIP Component of Wholesale Base TRR: | \$ |  | - | \$ |  | - | \$ |  | - | See Note 5 |
|  | Wholesale TRBAA: | \$ |  | - | \$ |  | - | \$ |  | - | Lines 2 to 4 |
|  | Less Standby Transmission Revenues: | \$ |  | - | \$ |  | - | \$ |  | - | See Note 6 |
|  | Components of Wholesale <br> Transmission Revenue Requirement: |  |  | - | \$ |  | - | \$ |  |  | Sum of Lines |

## 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
3) Column 1 is from Line 1.

Column 2 equals Column 1 * Line 6.
Column 3 equals Column 1 * Line 7.
4) From 24-CWIPTRR, Line 88. All High Voltage.
5) Line 8 - Line 9
6) Column 1 is from Line 5.

Column 2 equals Column 1 * Line 6.
Column 3 equals Column 1 * Line 7.

## Wholesale Rates

## 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:

|  |  |  | Source |
| :---: | :---: | :---: | :---: |
| LV TRR = \$ | - |  | 29-WholesaleTRRs, Line 13, C3 |
| Gross Load = | --- | MWh | 32-Gross Load, Line 4 |
| Low Voltage Access Charge = \$ | - | per kWh | Line 1 / (Line 2 * 1000) |

## Calculation of High Voltage Utility Specific Rate:

 (used by ISO in billing of ISO TAC)| SCE HV TRR | $=\$$ | - |  | 29-WholesaleTRRs, Line 13, C2 |
| ---: | :--- | :--- | :--- | :--- |
| Gross Load $=$ |  | -- | MWh | 32-Gross Load, Line 4 |
| High Voltage Utility-Specific Rate | $=\$$ | - | per kWh | Line 4/(Line 5*1000) |

## Calculation of High Voltage Existing Contracts Access Charge:

HV Wholesale TRR = $\$$
Sum of Monthly Peak Demands: --- MW 32-Gross Load, Line 5
HV Existing Contracts Access Charge: \$ - 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 $12 . \quad$ Input cells are shaded yellow


## Schedule 32

Gross Load

## Calculation of Forecast Gross Load

| Line |  | MWh | Calculation | Source |
| :---: | :---: | :---: | :---: | :---: |
| 1 | SCE Retail Sales at ISO Grid level: | --- |  | Note 1 |
| 2 | Pump Load forecast: | --- |  | Note 2 |
| 3 | Pump Load True-Up: | --- |  | Note 4 |
| 4 | Forecast Gross Load: | --- | Line 1 + Line $2+$ Line 3 | Sum of above |
| 5 | Forecast 12-CP Retail Load: | --- |  | 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

Retail Base TRR: $\$ \quad$ - $\quad$ Source -BaseTRR WS, Line 86 Input cells are shaded yellow


12) For TOU-8 Rates revenue $=$ Supplemental Demand Charge on Line 9 Column 8 * Maximum Demand on Lines 1 Column
13) For optional time-of-use schedules within the GS-1 rate group (Line16b:Col6), = (Line 1 $\mathrm{b}_{2}$ :Col11 - Line 16:Col3) / Line1b:Col12 / 10^3
14) For the non TOU-8-Standby rate group, it is the minimum of Line16iCol7, or the total demand rate in Line1:Col109
15) Applicable to time-of-use schedules within the GS-1 rate group

Column 2 (line 16d and 16e) divided by the sum of the sum of the Billing on a combined basis, so that the rate is the 1 e .
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

20
21
22

## Rate Schedules in each CPUC Rate Group

23
24

| 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 |

Domestic (con't)
TOU-GS-1
TOU-GS
ct TC-1
26d TOU-GS-2
26e TOU-GS-3
6f TOU-8-SEC
TOU-8-SUB
TOU-8-Standby-SEC
TOU-8-Standby-PR1
TOU-8-Standby-PRI
m TOU-PA-2
TOU-PA-3
26 n Street Lighting

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)
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), Includes Schedules TC-1, Wi-Fi-1, and WTR.
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).
Includes Schedules TOU-GS-3-CPP, TOU-EV-8, and TOU-GS-3 (Options D, E, A, B, RTP SOP Standby TOU-BIP GS-APS, GS-APS
Includes Schedules TOU-GS-3-CPP, TOU-EV-8, and TOU-GS-3 (Options D, E, A, B, R, RTP, SOP, Standby, GS-APS, GS-APS-EASE, and ME)
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) 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).
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). Includes Schedules TOU-8-Standby (Options D, LG, A, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME).
Includes Schedules TOU-8-Standby (Options D, LG, A, A2, B, RTP, TOU-BIP, GS-APS, GS-APS-E, and ME)
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-1).
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).
Includes Schedules AL-2, AL-2-B, AL-2-F, DWL, LS-1, LS-2, LS-3, LS-3-B, and OL-1.
26 n
27
28
28


## Schedule 34

## Unfunded Reserves

## Determination of Unfunded Reserves

|  |  |  |  |
| :--- | :--- | :--- | :--- |

## Unfunded Reserves (EOY):

Unfunded Reserves (Average BOY/EOY):

## ption of Issue

Provision for Injuries and Damages
rovion for Vac/Sick Leave

Totals:

## Calculations

Injuries and Damages
Injuries and Damages - Note 1
Transmission Wages and Salary Allocation Factor
ISO Transmission Rate Base Applicable

## Vacation Leave

Vacation and Personal Time Accruals - Acct. 2350080
Transmission Wages and Salary Allocation Factor
Transmission Rate Base Applicable

## ment Plan

Times:
Sub-Total Supplemental Executive Retirement Plan ISO Transmission Rate Base Applicable

[^1]
[^0]:    ```
    Amount Source
    - Line 20
    \% 27-Allocators, Line 9 Line 21 * Line 22
    Amount \(-\frac{\text { Source }}{\text { Line } 20}\)
    ```

[^1]:    Notes:

    1) Includes any Unfunded Reserves relating to accrued expenses included in Account 925 "Injuries and Damages",
    reduced for any expected offsetting payments.
