

Schedule 33
Retail Transmission Rates

Calculation of SCE Retail Transmission Rates

Retail Base TRR: \$ - 1-BaseTRR WS, Line 86

Source

Input cells are shaded yellow

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

	Col 1 Note 1	Col 2	Col 3 Note 2	Col 4 Note 3	Col 5 Note 4	Col 6 Note 5	Col 7 Note 6	Col 8 Note 7	Col 9	Col 10	Col 11	Col 12	Col 13	Col 14	
			Sales Forecast Billing Determinants:							Note 8	Note 8	Note 8			
		= Retail Base TRR * Line1:Col1	Sales Forecast (Not Including Backup)	Sales Forecast (Backup)	NEM Adjustment	Applies to supplemental kW demand charges	Applies to contracted standby kW demand charges	= (Line1:Col3 + Line1:Col4) - Line1:Col5	= Line1:Col2 / (Line1:Col8*10^6)	= Line1:Col2 / ((Line1:Col6 + Line1:Col7)*10^3)	Determinants: to be applied to the Supplemental kW demand charges,				
Line	CPUC Rate Group	12-CP factors	Total Allocated costs	GWh	Backup GWh	NEM GWh	Maximum demand - MW	Standby demand - MW	Billing Determinants with NEM Adjustment	Total energy rate - \$/kWh	Total demand rate - \$/kW-month	GWh	Maximum demand - MW	Standby demand - MW	Notes
1a	Domestic	- % \$	-	-	-	-	-	-	-	\$	-	-	-	-	
1b	GS-1	- % \$	-	-	-	-	-	-	-	\$	-	-	-	-	
1b ₂	GS-1 continued										\$	-	-	-	Notes 9,10
1c	TC-1	- % \$	-	-	-	-	-	-	-	\$	-	-	-	-	
1d	GS-2	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1e	TOU-GS-3	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1f	TOU-8-SEC	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1g	TOU-8-PRI	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1h	TOU-8-SUB	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1i	TOU-8-Standby-SEC	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1j	TOU-8-Standby-PRI	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1k	TOU-8-Standby-SUB	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1l	TOU-PA-2	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1m	TOU-PA-3	- % \$	-	-	-	-	-	-	-		\$	-	-	-	
1n	Street Lighting	- % \$	-	-	-	-	-	-	-	\$	-	-	-	-	
1o	---														
2	Totals:	- % \$	-	-	-	-	-	-	-						

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

	Col 1 from Line1:Col2	Col 2 from Line1:Col7	Col 3 = Col1 / Col2 / 10^3	Col 4	Col 5	Col 6 from Line1:Col2	Col 7 Note 11	Col 8 = Col 6 / (Col 7 * 10^3)
	Standby Allocated costs	Standby Demand MW	Contracted Standby Demand Charge \$/kW			Non-Standby Allocated Costs	Sum of Standby and Non-Standby Demand	Supplemental kW demand Charge \$/kW
9a	TOU-8-Standby-SEC	\$ -	\$ -	\$ -		TOU-8-SEC	\$ -	\$ -
9b	TOU-8-Standby-PRI	\$ -	\$ -	\$ -		TOU-8-PRI	\$ -	\$ -
9c	TOU-8-Standby-SUB	\$ -	\$ -	\$ -		TOU-8-SUB	\$ -	\$ -
9d	---					---		

Schedule 33
Retail Transmission Rates

3) End-User Transmission Rates

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10
	= Col 2 + Col 3	= Line1:Col2 - Line16:Col3	= Line16:Col7 * Line1:Col7 *10^3		= Line16:Col2 / (Line1:Col8 * 10^6)	= Line16:Col2 / Line1:Col6 / 10^3	from Line9:Col3	= Line16:Col6 * 0.746	= Line16:Col7 * 0.746	

Note 12				Note 13		Note 14			
CPUC Rate Group	Total Revenues	Revenue associated with Supplemental Demand or Energy	Standby Demand Revenue	Energy Charge - \$/kWh	Supplemental Demand Charge - \$/kW-month	Contracted standby kW demand Charge - \$/kW-month	Supplemental Demand Charge - \$/HP-month	Contracted standby kW demand Charge - \$/HP-month	Notes
Domestic	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Note 15
GS-1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TC-1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
GS-2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-GS-3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-SEC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-PRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-SUB	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-Standby-SEC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-Standby-PRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-8-Standby-SUB	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOU-PA-2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Note 16
TOU-PA-3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Street Lighting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
---	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Totals:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Notes:

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

Rate Schedules in each CPUC Rate Group:

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

Schedule 33
Retail Transmission Rates

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

30		<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>	<u>Col 5</u>	<u>Col 6</u>	<u>Col 7</u>	<u>Col 8</u>	<u>Col 9</u>	<u>Col 10</u>	<u>Col 11</u>
31					=						=	
					Line35:(Col1+Col2 +Col3)/3			from Line1:Col3 Note 17	from Line1:Col4	= Col 7 + Col 8	Line35:(Col4*Col5/ Col6*Col9)	= Line35:(Col10 / total of Col10)
32												
33			12-CP MW									
34	CPUC Rate Group	-	-	-	3-Year Average	Line losses	Recorded GWh (Average)	Standby Adjusted Sales Forecast - GWh	Backup GWh	Total Sales Forecast - GWh	Loss Adjusted Average 12-CP	12-CP Allocation factors
35a	Domestic	-	-	-	-			-	-	-	-	- %
35b	GS-1	-	-	-	-			-	-	-	-	- %
35c	TC-1	-	-	-	-			-	-	-	-	- %
35d	GS-2	-	-	-	-			-	-	-	-	- %
35e	TOU-GS-3	-	-	-	-			-	-	-	-	- %
35f	TOU-8-SEC	-	-	-	-			-	-	-	-	- %
35g	TOU-8-PRI	-	-	-	-			-	-	-	-	- %
35h	TOU-8-SUB	-	-	-	-			-	-	-	-	- %
35i	TOU-8-Standby-SEC	-	-	-	-			-	-	-	-	- %
35j	TOU-8-Standby-PRI	-	-	-	-			-	-	-	-	- %
35k	TOU-8-Standby-SUB	-	-	-	-			-	-	-	-	- %
35l	TOU-PA-2	-	-	-	-			-	-	-	-	- %
35m	TOU-PA-3	-	-	-	-			-	-	-	-	- %
35n	Street Lighting	-	-	-	-			-	-	-	-	- %
35o	---											
36	Totals:	-	-	-	-		-	-	-	-	-	- %