

TAC Determination for 2002
(Based on Annual TRR and Filed Load Data)
(as of November 7, 2001)

INPUTS: In the second year, 80% of TRR of existing High Voltage ("HV") facilities is TAC Area, 20% is ISO Grid-wide and Transmission Revenue Requirement of New HV facilities are included in ISO Grid-wide; each PTO is its own UDC/MSS.

	Filed Annual TRR for Existing HV Facilities (\$) [1]	Filed Annual TRR for New HV Facilities (\$) [2]	Filed Annual Gross Load (MWh) [3]	TAC Area [4]	Total filed TRR = [1] + [2] [5]	HV Utility Specific Rate (\$/MWh) [6] = [5] / [3]
PG&E	\$239,570,324	\$0	86,686,550	N	\$239,570,324	2.7636
SCE	\$127,918,887	\$0	78,427,896	EC	\$127,918,887	1.6310
SDG&E	\$45,328,000	\$390,815	17,700,683	S	\$45,718,815	2.5829
Vernon	\$9,852,000	\$0	1,211,000	EC	\$9,852,000	8.1354
Total	\$422,669,211	\$390,815	184,026,129		\$423,060,026	

Note: TRR are values net of TRBA and revenues from transmission for others
 Filed Gross Load TRR are values consistent with filed TRR

STEP 1: Calculate the Access Charge Rate for each TAC Area. TAC-Area portion is the percent of Total TRR in each area which has not yet transitioned to the ISO (80%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (20%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR of Existing HV Facilities (\$) [7]	Annual TAC Area TRR (\$) [8] = [7] x 80%	Annual Gross Load (GWh) [9]	TAC-Area Rate (\$/MWh) [10] = [8] / [9]		
North	\$239,570,324	\$191,656,259	86,686,550	2.2109	} TAC Rate (TAC Area + ISO-wide) (\$/MWh) [15] = [10] + [14]	} Wheeling Rate for TAC Area (\$/MWh) [15]
East/C	\$137,770,887	\$110,216,710	79,638,896	1.3840		
South	\$45,328,000	\$36,262,400	17,700,683	2.0486		
Total	\$422,669,211	\$338,135,369	184,026,129			
	ISO-Wide Annual TRR of Existing HV Facilities (\$) [11] Total ([7]) x 20%	Annual TRR of New HV Facilities (\$) [12] = Total [2]	Annual Gross Load (GWh) [13]	ISO-Wide Rate (\$/MWh) [14] = ([11] + [12]) / [13]		
ISO-wide	\$84,533,842	\$390,815	184,026,129	0.4615		

Annual TAC Projections (based on TRR data)

STEP 2: Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden

TAC Area	2001 Net Load (act. Jan-Aug, est. Sep-Dec) (MWh) [16]	TAC Area Rate (\$/MWh) [17]	Amount Paid on Filed Gross Load (\$) [18]	Utility Specific (\$/MWh) [19]	Would Have Paid under Utility-Specific (\$) [20]	Access Charge (Benefit)/ Burden (\$) [21]
-------------	--	--------------------------------------	---	---	--	---

California Independent System Operator Corp.

			= [15]	= [16] + [17]	= [6]	= [16] x [19]	= [18] - [20]
PG&E	N	93,537,189	2.6724	\$249,968,097	2.7636	\$258,503,016	(\$8,534,919)
SCE	EC	82,611,953	1.8454	\$152,455,177	1.6310	\$134,743,243	\$17,711,935
SDG&E	S	18,187,962	2.5101	\$45,654,071	2.5829	\$46,977,402	(\$1,323,331)
Vernon	EC	1,190,834	1.8454	\$2,197,609	8.1354	\$9,687,937	(\$7,490,329)
Total		195,527,937		\$450,274,954		\$449,911,597	\$363,356

Note: ISO total for Access Charge (Benefit)/Burden not equal to zero due to rounding or TAC Rate

STEP 3: For Information Only -- Estimated annual GMC (Benefit) Burden based on increased ISO participation.

	GMC Payment Without New Members (\$) [22]	GMC Payment With New Members (\$) [23]	GMC (Benefit)/Burden (\$) [24] = [23] - [22]	The projected change in GMC rates has an expected impact of less than 5%.
PG&E	\$0	\$0	\$0	
SCE	\$0	\$0	\$0	
SDG&E	\$0	\$0	\$0	
Vernon	\$0	\$0	\$0	
Total	\$0	\$0	\$0	

STEP 4: For Information Only -- Projected annual net benefits/burdens from Access Charge and GMC Impact.

\$32/32/8 million cap for IOUs; munis are held harmless; IOUs pay muni cost increases in proportion to their cap relative to the total cap.

	Access Charge (Benefit)/Burden (\$) [24] = [21]	GMC (Benefit)/Burden (\$) [25] = [24]	Projected Net (Benefit)/Burden (\$) [26] = [24] + [25]	Cap on Burden (\$) [27]	Amount by Which IOUs' Cap Exceeds IOUs' Burden (\$) [28] if [27] - [26] > 0: = [27] - [26]. If there is no cap, then 0.	Amount by Which Burden Exceeds Cap (\$) [29] if [26] - [27] > 0: = [26] - [27]. If there is no cap, then 0.	Payments by Entities which have a Net Benefit (\$) [30] IOUs = ([28] / total[28]) x total[29]; Munis = ([26] / total[26]) x total[29] - total[28]	Mitigation Payments (\$) [31]	Adjusted Net (Benefit)/Burden (\$) [32] = [30] + [34a]	Reallocation of IOU Burden (\$) [31] Reallocate IOU Burden so that IOU Burden (col [34]) is in proportion to the cap (col [27])	Projected Transition Charge (\$) [32] = - [29] + [30] + [31]	Projected Transition Charge (\$/MWh) [33] = [32] / [3]	Projected Net (Benefit)/Burden (\$1000) [34] = [32] + [26]
PG&E	(\$8,534,919)	\$0	(\$8,534,919)	\$32,000,000	\$40,534,919	\$0	\$0	\$0	(\$8,534,919)	\$12,025,446	\$12,025,446	\$0.13872	\$3,490,527
SCE	\$17,711,935	\$0	\$17,711,935	\$32,000,000	\$14,288,065	\$0	\$0	\$0	\$17,711,935	(\$14,221,408)	(\$14,221,408)	(\$0.18133)	\$3,490,527
SDG&E	(\$1,323,331)	\$0	(\$1,323,331)	\$8,000,000	\$9,323,331	\$0	\$0	\$0	(\$1,323,331)	\$2,195,962	\$2,195,962	\$0.12406	\$872,632
Vernon	(\$7,490,329)	\$0	(\$7,490,329)	\$0	\$0	\$0	\$0	\$0	(\$7,490,329)	\$0	\$0	\$0.00000	(\$7,490,329)
Total	\$363,356	\$0	\$363,356	\$72,000,000	\$64,146,315	\$0	\$0	\$0	\$363,356	\$0	\$0		\$363,356