

December 18, 2009

***Via Overnight Delivery***

The Honorable Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

Re: *California Independent System Operator Corporation*  
Docket No. ER10-\_\_\_\_-000

**Transmission Access Charge Informational Filing**

Dear Secretary Bose:

The California Independent System Operator Corporation (ISO) submits an original and five copies of an informational filing to provide notice regarding the ISO's revised transmission access charges (TAC) effective July 1, 2009, August 1, 2009, September 1, 2009, and October 1, 2009. The basis for these revisions is to implement the revised transmission revenue requirements (TRRs) of the cities of Riverside, Vernon, and Pasadena, San Diego Gas & Electric Company, and Southern California Edison Company (SCE).

The revision to the city of Riverside's TRR was accepted by the Commission, subject to hearing and settlement judge procedures, in an order issued on August 28, 2009 in Docket No. EL09-52.<sup>1</sup> The revision to the city of Vernon's TRR was accepted by the Commission in an order issued on September 11, 2009 in Docket No. EL09-64.<sup>2</sup> The revision to the city of Pasadena's TRR was accepted by the Commission, subject to hearing and settlement judge procedures, in an order issued on September 30, 2009 in Docket No. EL09-67.<sup>3</sup> The revision to San Diego Gas & Electric's TRR was acknowledged by the Commission in a letter order issued on September 29, 2009 in Docket No. ER09-1601. The revision to SCE's TRR was set forth in an offer of settlement approved by the Commission in an order issued on September 11, 2009 in Docket No. ER08-1343 *et al.*<sup>4</sup> The revision to SCE's TRR is described further below.

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<sup>1</sup> *City of Riverside, California*, 128 FERC ¶ 61,207 (2009).

<sup>2</sup> *City of Vernon, California*, 128 FERC ¶ 61,235 (2009).

<sup>3</sup> *City of Pasadena, California*, 128 FERC ¶ 61,290 (2009).

<sup>4</sup> *Southern California Edison Company*, 128 FERC ¶ 61,237 (2009).

All of these revised TRRs except that of SCE were incorporated into the ISO's standard settlement process for its TAC rates as of the effective dates ordered by the Commission. The timing of the Commission's order in the SCE proceeding was such that the ISO was only able to incorporate the revised TRR of SCE into its standard settlement process for its TAC rates for the month of July 2009 and subsequent months, even though the revisions to SCE's TRR were retroactive to March 1, 2009.

In the ISO's informational filing on December 11, 2009 in Docket No. ER10-413, the ISO advised the Commission of its revised TAC rates reflecting SCE's revised TRR for the period from March 1, 2009 through March 31, 2009 and the TAC refunds that the ISO has provided associated with the revised SCE TRR. In that filing, the ISO also advised the Commission that the ISO has yet to determine the manner by which it will be able to provide the required refunds for the months of April, May, and June 2009 for SCE (and for the month of April 2009 for Startrans IO, LLC and Atlantic Path 15, LLC), as these refunds pertain to operations under its new settlements software system.

The ISO's new settlements software program does not yet have adequate functionality to permit the processing of recalculated settlements for TAC refunds independent of the substantial backlog of other settlements recalculations that the ISO needs to process for the period since it implemented its new settlements software program on March 31, 2009. As a result, the ISO currently cannot issue an invoice for TAC refunds owed by SCE for the months of April, May, and June 2009 (or for Startrans or Atlantic Path 15 for April 2009). The ISO is evaluating whether an alternative approach to the implementation of the required refunds for the months of April, May, and June 2009 can be developed or whether the implementation of these refunds will need to await the completion of all other settlements recalculations for the post-March 31, 2009 period. Consequently, the ISO will submit a separate informational filing at a later date describing the effect of the revised Startrans, Atlantic Path 15, and SCE TRRs approved in ER08-413, ER08-374 and EL08-38, and ER08-1343 *et al.* and the need for refunds for the month of April 2009 for all three and for the months of May and June 2009 for SCE.

### Changes in Rates

The TAC rates provided in the present filing revise the access charges and wheeling access charges provided for informational purposes by the ISO in Docket No. ER09-1711 (deemed by the Commission as filed on September 15, 2009). Pursuant to the Commission orders in Docket Nos. EL09-52, EL09-64, EL09-67, and ER09-1601, and the implementation of the Commission order in Docket No. ER08-1343 *et al.* as described above, the changes in the present filing are effective for the dates set forth below, in accordance with CAISO Tariff Appendix F, Schedule 3, Section 8.

Worksheets illustrating the calculation of the CAISO's TAC rates are included with the present transmittal letter as Attachments A-D. The rates for each of the TAC

The Honorable Kimberly D. Bose  
December 18, 2009  
Page 3

Areas effective July 1, 2009 through July 31, 2009 are reflected in Attachment A and are as follows:

Northern Area	\$3.9160/MWh
East/Central Area	\$3.9914/MWh
Southern Area	\$3.9807/MWh

The rates for each of the TAC Areas effective August 1, 2009 through August 31, 2009 are reflected in Attachment B and are as follows:

Northern Area	\$3.9167/MWh
East/Central Area	\$3.9921/MWh
Southern Area	\$3.9814/MWh

The rates for each of the TAC Areas effective September 1, 2009 through September 30, 2009 are reflected in Attachment C and are as follows:

Northern Area	\$3.8235/MWh
East/Central Area	\$3.8989/MWh
Southern Area	\$3.8303/MWh

The rates for each of the TAC Areas effective October 1, 2009 are reflected in Attachment D and are as follows:

Northern Area	\$3.8335/MWh
East/Central Area	\$3.9114/MWh
Southern Area	\$3.8403/MWh

Communications

Communications regarding this filing should be addressed to the following individuals, whose names should be placed on the official service list established by the Secretary with respect to this submittal:

Michael D. Dozier*, Senior Counsel
California Independent System Operator Corporation
151 Blue Ravine Road
Folsom, CA 95630
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\*Individual designated for service pursuant to Rule 203(b)(3), 18 C.F.R. § 385.203(b)(3).

The ISO has served copies of this transmittal letter and attachments hereto on the Public Utilities Commission of the State of California, the California Energy Commission, and the participating transmission owners, and on all parties with effective Scheduling Coordinator Agreements under the ISO tariff. In addition, the ISO is posting this transmittal letter and all attachments on the ISO's website.

An additional copy of this filing is enclosed to be date-stamped and returned in the enclosed, pre-paid Federal Express envelope. If there are any questions concerning this filing, please contact the undersigned.

Respectfully submitted,



Michael D. Dozier  
Senior Counsel  
California Independent System  
Operator Corporation  
151 Blue Ravine Road  
Folsom, CA 95630  
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Attachments

ATTACHMENT A

## July 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**Based on the FERC Order on City of Riverside's Revised Transmission Revenue Requirement (Docket No. EL09-52) and the FERC Order on Southern California Edison Company's Revised Transmission Revenue Requirement (Docket No. ER08-1343 et al)**

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$)	Filed Annual TRR New HV Facilities (\$)	Filed Annual Gross Load (MWh)	TAC Area	Total Filed TRR (\$)	EHVF only Utility Specific Rate (\$/MWH)	EHVF only TAC Area Rate (\$/MWH)	HV Utility Specific Rate (\$/MWH)	TAC Area Rate (\$/MWH)
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
					= [1] + [2]	= [6] / [3]	= [7] / [2]	= [8] / [3]	= [9] / [3]
PGE	\$ 134,892,376	\$ 166,550,793	94,466,738	N	\$ 301,443,169	\$ 1.4279	\$ 1.7805	\$ 3.1910	\$ 3.9160
SCE	\$ 162,666,933	\$ 193,107,640	92,450,710	EC	\$ 355,774,573	\$ 1.7595	\$ 1.8511	\$ 3.8483	\$ 3.9914
SDGE	\$ 44,809,755	\$ 70,036,379	21,596,392	S	\$ 114,846,134	\$ 2.0749	\$ 1.8452	\$ 5.3178	\$ 3.9807
Anaheim	\$ 20,212,164	\$ -	2,766,313	EC	\$ 20,212,164	\$ 7.3065	\$ 1.8511	\$ 7.3065	\$ 3.9914
Azusa	\$ 1,226,554	\$ -	239,575	EC	\$ 1,226,554	\$ 5.1197	\$ 1.8511	\$ 5.1197	\$ 3.9914
Banning	\$ 930,800	\$ -	139,457	EC	\$ 930,800	\$ 6.6745	\$ 1.8511	\$ 6.6745	\$ 3.9914
Pasadena	\$ 6,796,373	\$ -	1,239,884	EC	\$ 6,796,373	\$ 5.4815	\$ 1.8511	\$ 5.4815	\$ 3.9914
Riverside	\$ 21,027,615	\$ -	2,201,147	EC	\$ 21,027,615	\$ 9.5530	\$ 1.8511	\$ 9.5530	\$ 3.9914
Vernon	\$ 1,204,988	\$ -	1,288,684	EC	\$ 1,204,988	\$ 0.9351	\$ 1.8511	\$ 0.9351	\$ 3.9914
Atlantic P15	\$ -	\$ 28,118,790	-	N	\$ 28,118,790	-	-	-	\$ 3.9160
Startrans	\$ 4,760,375	\$ -	-	EC	\$ 4,760,375	-	\$ 1.8511	-	\$ 3.9914
<b>ISO Total</b>	<b>\$ 398,527,932</b>	<b>\$ 457,813,602</b>	<b>216,388,900</b>		<b>\$ 856,341,534</b>				

**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 (10%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (90%), plus the TRR of New HV Facilities, divided by total load.

Area	Annual TRR Existing HV Facilities (\$)	Annual TAC Area TRR (\$)	Annual TAC Area TRR (w/Load) (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWH)	TAC Area Rate (TRR w/Load) (\$/MWH)	TAC Rate + ISO Wide (\$/MWH)	Wheeling Rate + ISO Wide (\$/MWH)	Existing HV Facilities (EHVF) only TAC Rate (\$/MWH)	New HV Facilities (NHVF) only TAC Rate (\$/MWH)
	[10]	[11]	[11B]	[12]	[13]	[13B]	[19]	[20]	[21]	[22]
	= [1]	= [10] x 10%	= ([10] w/Load) x 10%	= [3]	= [11] / [12]	= [11B] / [12]	= [13] + [17]	= [19]	= ([13B] + [18])	= [15] / [16]
North	\$ 134,892,376	\$ 13,489,238	\$ 13,489,238	94,466,738	\$ 0.1428	\$ 0.1428	\$ 3.9160	\$ 3.9160	\$ 1.7805	\$ 2.1157
East/C	\$ 218,825,801	\$ 21,882,580	\$ 21,406,543	100,325,770	\$ 0.2181	\$ 0.2134	\$ 3.9914	\$ 3.9914	\$ 1.8511	\$ 2.1157
South	\$ 44,809,755	\$ 4,480,976	\$ 4,480,976	21,596,392	\$ 0.2075	\$ 0.2075	\$ 3.9807	\$ 3.9807	\$ 1.8452	\$ 2.1157
<b>Total</b>	<b>\$ 398,527,932</b>	<b>\$ 39,852,793</b>	<b>\$ 39,376,756</b>	<b>216,388,900</b>						

  

Area	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR EHVf w/Load (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (MWh)	ISO Wide Rate (\$/MWH)	EHVf ISO-Wide Rate TRR w/Load only (\$/MWH)
	[14]	[14B]	[15]	[16]	[17]	[18]
	Total ([10]) x 90%	Total ([10] w/Load) x 90%	= Total [2]	= Total [3]	= ([14] + [15]) / [16]	= [14B] / [16]
<b>ISO-wide</b>	<b>\$ 358,675,139</b>	<b>\$ 354,390,802</b>	<b>\$ 457,813,602</b>	<b>216,388,900</b>	<b>\$ 3.7732</b>	<b>\$ 1.6377</b>

## July 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden.** Note: ISO total for (Benefit)/Burden may not equal zero due to rounding of TAC Rate.

TAC Area	Filed Gross Load (MWH)	EHVF only TAC Rate (\$/MWH)	Amount Paid Based on Filed Gross Load (\$)	EHVF only Utility Specific Rate (\$/MWH)	Would Have Paid w/ EHVF Utility Specific Rate (\$)	EHVF Access Charge (Benefit)/Burden (\$)
[23] =[4]	[24] =[3]	[25] =[7]	[26] =[24] x [25]	[27] =[6]	[28] =[24] x [27]	[29] =[26] - [28]
PGE N	94,466,738	\$ 1.7805	\$ 168,202,086	\$ 1.4279	\$ 134,892,376	\$ 33,309,710
SCE EC	92,450,710	\$ 1.8511	\$ 171,137,338	\$ 1.7595	\$ 162,666,933	\$ 8,470,405
SDGE S	21,596,392	\$ 1.8452	\$ 39,850,455	\$ 2.0749	\$ 44,809,755	\$ (4,959,300)
Anaheim EC	2,766,313	\$ 1.8511	\$ 5,120,777	\$ 7.3065	\$ 20,212,164	\$ (15,091,388)
Azusa EC	239,575	\$ 1.8511	\$ 443,482	\$ 5.1197	\$ 1,226,554	\$ (783,072)
Banning EC	139,457	\$ 1.8511	\$ 258,152	\$ 6.6745	\$ 930,800	\$ (672,648)
Pasadena EC	1,239,884	\$ 1.8511	\$ 2,295,174	\$ 5.4815	\$ 6,796,373	\$ (4,501,199)
Riverside EC	2,201,147	\$ 1.8511	\$ 4,074,587	\$ 9.5530	\$ 21,027,615	\$ (16,953,028)
Vernon EC	1,288,684	\$ 1.8511	\$ 2,385,508	\$ 0.9351	\$ 1,204,988	\$ 1,180,520
Startrans EC	-	\$ 1.8511	\$ 0	\$ 0	\$ 0	\$ 0
<b>ISO Total</b>	<b>216,388,900</b>		<b>\$ 393,767,557</b>		<b>\$ 393,767,557</b>	<b>\$ (0)</b>

**STEP 3: For Information Only -- Projected annual net benefits/burdens from Access Charge for Existing Facilities.**

\$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.

	EHVF Access Charge (Benefit)/Burden (\$)	IOU Burden Annual Cap (\$)	Amount IOUs' Cap Exceeds IOUs' Burden (\$)	Amount IOU's Burden Exceeds IOU's Cap (\$)	Payments by Entities with Net Benefit (\$)	Mitigation Payments (\$)	Adjusted Net (Benefit) / Burden (\$)	Reallocation IOU Burden (\$)	Transition Charge (\$)	Adjusted Net (Benefit) / Burden (\$)	Transition Charge Rate (\$/MWh)
	[30] =[29]	[31]	[32] IF ([31] - [30] > 0) = [31] - [30]. If no cap, then 0.	[33] IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	[34] IOUs = ((32) / total(32)) x total(33). Munis w/ Benefit = ([30] / total(30)) x total(33) - total(32)	[35] = [34] - [33]	[36] = [30] + [35]	[37] Reallocate IOU Burden [39] so it is proportional to IOU Cap [31] = [39] - [36]	[38] = [35] + [37]	[39] = [36] + [37]	[40] = [38] / [24]
PGE	\$ 33,309,710	\$ 32,000,000	\$ 0	\$ 1,309,709.6635	\$ 0	\$ (1,309,710)	\$ 32,000,000	\$ (15,110,518)	\$ (16,420,228)	\$ 16,889,482	\$ (0.1738)
SCE	\$ 8,470,405	\$ 32,000,000	\$ 23,529,595	\$ 0	\$ 1,605,807	\$ 1,605,807	\$ 10,076,211	\$ 6,813,271	\$ 8,419,077	\$ 16,889,482	\$ 0.0911
SDGE	\$ (4,959,300)	\$ 8,000,000	\$ 12,959,300	\$ 0	\$ 884,424	\$ 884,424	\$ (4,074,877)	\$ 8,297,247	\$ 9,181,671	\$ 4,222,370	\$ 0.4251
Anaheim	\$ (15,091,388)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (15,091,388)	\$ 0	\$ 0	\$ (15,091,388)	\$ 0
Azusa	\$ (783,072)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (783,072)	\$ 0	\$ 0	\$ (783,072)	\$ 0
Banning	\$ (672,648)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (672,648)	\$ 0	\$ 0	\$ (672,648)	\$ 0
Pasadena	\$ (4,501,199)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (4,501,199)	\$ 0	\$ 0	\$ (4,501,199)	\$ 0
Riverside	\$ (16,953,028)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (16,953,028)	\$ 0	\$ 0	\$ (16,953,028)	\$ 0
Vernon	\$ 1,180,520	\$ 0	\$ 0	\$ 1,180,520	\$ 0	\$ (1,180,520)	\$ 0	\$ 0	\$ (1,180,520)	\$ 0	\$ (0.9161)
Startrans	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total</b>	<b>\$ 0</b>	<b>\$ 72,000,000</b>	<b>\$ 36,488,896</b>	<b>\$ 2,490,230</b>	<b>\$ 2,490,230</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## July 01, 2009 TAC Rates

### Based on Filed Annual TRR/TRBA and Load Data

**STEP 4: For Information Only -- Projected annual net benefits/burdens from Access Charge for New Facilities and Total projected annual net benefits/burdens from Access Charge.**

	Filed Annual TRR New HV Facilities (\$) [41] =[2]	ISO Wide Annual Gross Load (MWh) [42] =[3]	New HVTRR Rate (\$/MWh) [43] =[15]/[16]	New HVTRR Cost Responsibility (\$) [44] =[42] * [43]	NHVF Access Charge (Benefit)/Burden (\$) [45] =[44] - [41]	Total Access Charge (Benefit)/Burden (\$) [46] =[45] + [39]
PGE	\$ 166,550,793	94,466,738	\$ 2.1157	\$ 199,863,106	\$ 33,312,313	\$ 50,201,795
SCE	\$ 193,107,640	92,450,710	\$ 2.1157	\$ 195,597,799	\$ 2,490,159	\$ 19,379,641
SDGE	\$ 70,036,379	21,596,392	\$ 2.1157	\$ 45,691,447	\$ (24,344,932)	\$ (20,122,561)
Anaheim	\$ -	2,766,313	\$ 2.1157	\$ 5,852,683	\$ 5,852,683	\$ (9,238,704)
Azusa	\$ -	239,575	\$ 2.1157	\$ 506,868	\$ 506,868	\$ (276,204)
Banning	\$ -	139,457	\$ 2.1157	\$ 295,049	\$ 295,049	\$ (377,599)
Pasadena	\$ -	1,239,884	\$ 2.1157	\$ 2,623,220	\$ 2,623,220	\$ (1,877,978)
Riverside	\$ -	2,201,147	\$ 2.1157	\$ 4,656,963	\$ 4,656,963	\$ (12,296,066)
Vernon	\$ -	1,288,684	\$ 2.1157	\$ 2,726,466	\$ 2,726,466	\$ 2,726,466
Atlantic P15	\$ 28,118,790	0	\$ 2.1157	\$ 0	\$ (28,118,790)	\$ (28,118,790)
<b>Total</b>	<b>\$ 457,813,602</b>	<b>216,388,900</b>	<b>\$</b>	<b>\$ 457,813,602</b>	<b>\$ 0</b>	<b>\$ 0</b>

ATTACHMENT B

## August 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

Based on the FERC Order on City of Vernon's Revised Transmission Revenue Requirement (Docket No. EL09-64)

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$) [1]	Filed Annual TRR New HV Facilities (\$) [2]	Filed Annual Gross Load (MWh) [3]	TAC Area [4]	Total Filed TRR (\$) = [1] + [2] [5]	EHVF only Utility Specific Rate (\$/MWh) [6] = [1] / [3]	EHVF only TAC Area Rate (\$/MWh) [7] = [2] [1]	HV Utility Specific Rate (\$/MWh) [8] = [5] / [3]	TAC Area Rate (\$/MWh) [9] = [19]
PGE	\$ 134,892,376	\$ 166,550,793	94,466,738	N	\$ 301,443,169	\$ 1.4279	\$ 1.7809	\$ 3.1910	\$ 3.9167
SCE	\$ 162,666,933	\$ 193,107,640	92,450,710	EC	\$ 355,774,573	\$ 1.7595	\$ 1.8516	\$ 3.8483	\$ 3.9921
SDGE	\$ 44,809,755	\$ 70,036,379	21,596,392	S	\$ 114,846,134	\$ 2.0749	\$ 1.8456	\$ 5.3178	\$ 3.9814
Anaheim	\$ 20,212,164	\$ -	2,766,313	EC	\$ 20,212,164	\$ 7.3065	\$ 1.8516	\$ 7.3065	\$ 3.9921
Azusa	\$ 1,226,554	\$ -	239,575	EC	\$ 1,226,554	\$ 5.1197	\$ 1.8516	\$ 5.1197	\$ 3.9921
Banning	\$ 930,800	\$ -	139,457	EC	\$ 930,800	\$ 6.6745	\$ 1.8516	\$ 6.6745	\$ 3.9921
Pasadena	\$ 6,796,373	\$ -	1,239,884	EC	\$ 6,796,373	\$ 5.4815	\$ 1.8516	\$ 5.4815	\$ 3.9921
Riverside	\$ 21,027,615	\$ -	2,201,147	EC	\$ 21,027,615	\$ 9.5530	\$ 1.8516	\$ 9.5530	\$ 3.9921
Vernon	\$ 1,231,199	\$ -	1,257,502	EC	\$ 1,231,199	\$ 0.9791	\$ 1.8516	\$ 0.9791	\$ 3.9921
Atlantic P15	\$ -	\$ 28,118,790	-	N	\$ 28,118,790	\$ -	\$ -	\$ -	\$ 3.9167
Startrans	\$ 4,760,375	\$ -	-	EC	\$ 4,760,375	\$ -	\$ 1.8516	\$ -	\$ 3.9921
<b>ISO Total</b>	<b>\$ 398,554,143</b>	<b>\$ 457,813,602</b>	<b>216,357,718</b>		<b>\$ 856,367,745</b>				

**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 (10%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (90%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$) [10] = [1]	Annual TAC Area TRR (\$) [11] = [10] x 10%	Annual TAC Area TRR (w/Load) (\$) [11B] = ([10] w/Load) x 10%	Annual Gross Load (MWh) [12] = [3]	TAC Area Rate (\$/MWh) [13] = [11] / [12]	TAC Area Rate (TRR w/Load) (\$/MWh) [13B] = [11B] / [12]																							
North	\$ 134,892,376	\$ 13,489,238	\$ 13,489,238	94,466,738	\$ 0.1428	\$ 0.1428	<table border="1"> <thead> <tr> <th></th> <th>TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]</th> <th>Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]</th> <th>Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]</th> <th>New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]</th> </tr> </thead> <tbody> <tr> <td>North</td> <td>\$ 3.9167</td> <td>\$ 3.9167</td> <td>\$ 1.7809</td> <td>\$ 2.1160</td> </tr> <tr> <td>East/Central</td> <td>\$ 3.9921</td> <td>\$ 3.9921</td> <td>\$ 1.8516</td> <td>\$ 2.1160</td> </tr> <tr> <td>South</td> <td>\$ 3.9814</td> <td>\$ 3.9814</td> <td>\$ 1.8456</td> <td>\$ 2.1160</td> </tr> </tbody> </table>		TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]	North	\$ 3.9167	\$ 3.9167	\$ 1.7809	\$ 2.1160	East/Central	\$ 3.9921	\$ 3.9921	\$ 1.8516	\$ 2.1160	South	\$ 3.9814	\$ 3.9814	\$ 1.8456	\$ 2.1160		
	TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]																									
North	\$ 3.9167	\$ 3.9167	\$ 1.7809	\$ 2.1160																									
East/Central	\$ 3.9921	\$ 3.9921	\$ 1.8516	\$ 2.1160																									
South	\$ 3.9814	\$ 3.9814	\$ 1.8456	\$ 2.1160																									
East/C	\$ 218,852,012	\$ 21,885,201	\$ 21,409,164	100,294,588	\$ 0.2182	\$ 0.2135																							
South	\$ 44,809,755	\$ 4,480,976	\$ 4,480,976	21,596,392	\$ 0.2075	\$ 0.2075																							
<b>Total</b>	<b>\$ 398,554,143</b>	<b>\$ 39,855,414</b>	<b>\$ 39,379,377</b>	<b>216,357,718</b>																									
	ISO Wide TRR Existing HV Facilities (\$) [14] Total ([10]) x 90%	ISO Wide TRR EHVf w/Load (\$) [14B] Total ([10] w/Load) x 90%	ISO Wide TRR New HV Facilities (\$) [15] = Total [2]	ISO Wide Annual Gross Load (MWh) [16] = Total [3]	ISO Wide Rate (\$/MWh) [17] = ([14] + [15]) / [16]	EHVF ISO-Wide Rate (TRR w/Load only) (\$/MWh) [18] = [14B] / [16]																							
<b>ISO-wide</b>	<b>\$ 358,698,729</b>	<b>\$ 354,414,392</b>	<b>\$ 457,813,602</b>	<b>216,357,718</b>	<b>\$ 3.7739</b>	<b>\$ 1.6381</b>																							

### August 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden.** Note: ISO total for (Benefit)/Burden may not equal zero due to rounding of TAC Rate.

TAC Area		Filed Gross Load (MWH)	EHVF only TAC Rate (\$/MWH)	Amount Paid Based on Filed Gross Load (\$)	EHVF only Utility Specific Rate (\$/MWH)	Would Have Paid w/ EHVF Utility Specific Rate (\$)	EHVF Access Charge (Benefit)/Burden (\$)
		[24] =[3]	[25] =[7]	[26] =[24] x [25]	[27] =[6]	[28] =[24] x [27]	[29] =[26] - [28]
PGE	N	94,466,738	\$ 1.7809	\$ 168,234,683	\$ 1.4279	\$ 134,892,376	\$ 33,342,307
SCE	EC	92,450,710	\$ 1.8516	\$ 171,177,789	\$ 1.7595	\$ 162,666,933	\$ 8,510,856
SDGE	S	21,596,392	\$ 1.8456	\$ 39,857,907	\$ 2.0749	\$ 44,809,755	\$ (4,951,848)
Anaheim	EC	2,766,313	\$ 1.8516	\$ 5,121,987	\$ 7.3065	\$ 20,212,164	\$ (15,090,177)
Azusa	EC	239,575	\$ 1.8516	\$ 443,587	\$ 5.1197	\$ 1,226,554	\$ (782,967)
Banning	EC	139,457	\$ 1.8516	\$ 258,213	\$ 6.6745	\$ 930,800	\$ (672,587)
Pasadena	EC	1,239,884	\$ 1.8516	\$ 2,295,716	\$ 5.4815	\$ 6,796,373	\$ (4,500,656)
Riverside	EC	2,201,147	\$ 1.8516	\$ 4,075,550	\$ 9.5530	\$ 21,027,615	\$ (16,952,065)
Vernon	EC	1,257,502	\$ 1.8516	\$ 2,328,337	\$ 0.9791	\$ 1,231,199	\$ 1,097,138
Startrans	EC	-	\$ 1.8516	\$ 0	\$ 0	\$ 0	\$ 0
<b>ISO Total</b>		<b>216,357,718</b>		<b>\$ 393,793,768</b>		<b>\$ 393,793,768</b>	<b>\$ (0)</b>

**STEP 3: For Information Only -- Projected annual net benefits/burdens from Access Charge for Existing Facilities.**

\$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.

	EHVF Access Charge (Benefit)/Burden (\$)	IOU Burden Annual Cap (\$)	Amount IOUs' Cap Exceeds IOUs' Burden (\$)	Amount IOU's Burden Exceeds IOU's Cap (\$)	Payments by Entities with Net Benefit (\$)	Mitigation Payments (\$)	Adjusted Net (Benefit) / Burden (\$)	Reallocation IOU Burden (\$)	Transition Charge (\$)	Adjusted Net (Benefit) / Burden (\$)	Transition Charge Rate (\$/MWh)
	[30] =[29]	[31]	[32] IF ([31] - [30] > 0) = [31] - [30]. If no cap, then 0.	[33] IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	[34] IOUs = ([32] / total[32]) x total[33]. Munis w/ Benefit = ([30] / total[30]) x total[33] - total[32]	[35] = [34] - [33]	[36] = [30] + [35]	[37] Reallocate IOU Burden [39] so it is proportional to IOU Cap [31] = [39] - [36]	[38] = [35] + [37]	[39] = [36] + [37]	[40] = [38] / [24]
PGE	\$ 33,342,307	\$ 32,000,000	\$ 0	\$ 1,342,307.1460	\$ 0	\$ (1,342,307)	\$ 32,000,000	\$ (15,111,799)	\$ (16,454,106)	\$ 16,888,201	\$ (0.1742)
SCE	\$ 8,510,856	\$ 32,000,000	\$ 23,489,144	\$ 0	\$ 1,572,418	\$ 1,572,418	\$ 10,083,274	\$ 6,804,927	\$ 8,377,345	\$ 16,888,201	\$ 0.0906
SDGE	\$ (4,951,848)	\$ 8,000,000	\$ 12,951,848	\$ 0	\$ 867,027	\$ 867,027	\$ (4,084,821)	\$ 8,306,872	\$ 9,173,898	\$ 4,222,050	\$ 0.4248
Anaheim	\$ (15,090,177)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (15,090,177)	\$ 0	\$ 0	\$ (15,090,177)	\$ 0
Azusa	\$ (782,967)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (782,967)	\$ 0	\$ 0	\$ (782,967)	\$ 0
Banning	\$ (672,587)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (672,587)	\$ 0	\$ 0	\$ (672,587)	\$ 0
Pasadena	\$ (4,500,656)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (4,500,656)	\$ 0	\$ 0	\$ (4,500,656)	\$ 0
Riverside	\$ (16,952,065)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (16,952,065)	\$ 0	\$ 0	\$ (16,952,065)	\$ 0
Vernon	\$ 1,097,138	\$ 0	\$ 0	\$ 1,097,138	\$ 0	\$ (1,097,138)	\$ 0	\$ 0	\$ (1,097,138)	\$ 0	\$ (0.8725)
Startrans	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total</b>	<b>\$ 0</b>	<b>\$ 72,000,000</b>	<b>\$ 36,440,992</b>	<b>\$ 2,439,445</b>	<b>\$ 2,439,445</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## August 01, 2009 TAC Rates

### Based on Filed Annual TRR/TRBA and Load Data

**STEP 4: For Information Only -- Projected annual net benefits/burdens from Access Charge for New Facilities and Total projected annual net benefits/burdens from Access Charge.**

	Filed Annual TRR New HV Facilities (\$) [41] =[2]	ISO Wide Annual Gross Load (MWh) [42] =[3]	New HVTRR Rate (\$/MWh) [43] =[15]/[16]	New HVTRR Cost Responsibility (\$) [44] =[42] * [43]	NHVF Access Charge (Benefit)/Burden (\$) [45] =[44] - [41]	Total Access Charge (Benefit)/Burden (\$) [46] =[45] + [39]
PGE	\$ 166,550,793	94,466,738	\$ 2.1160	\$ 199,891,910	\$ 33,341,117	\$ 50,229,319
SCE	\$ 193,107,640	92,450,710	\$ 2.1160	\$ 195,625,989	\$ 2,518,349	\$ 19,406,550
SDGE	\$ 70,036,379	21,596,392	\$ 2.1160	\$ 45,698,032	\$ (24,338,347)	\$ (20,116,296)
Anaheim	\$ -	2,766,313	\$ 2.1160	\$ 5,853,527	\$ 5,853,527	\$ (9,236,650)
Azusa	\$ -	239,575	\$ 2.1160	\$ 506,941	\$ 506,941	\$ (276,026)
Banning	\$ -	139,457	\$ 2.1160	\$ 295,091	\$ 295,091	\$ (377,496)
Pasadena	\$ -	1,239,884	\$ 2.1160	\$ 2,623,598	\$ 2,623,598	\$ (1,877,058)
Riverside	\$ -	2,201,147	\$ 2.1160	\$ 4,657,634	\$ 4,657,634	\$ (12,294,431)
Vernon	\$ -	1,257,502	\$ 2.1160	\$ 2,660,878	\$ 2,660,878	\$ 2,660,878
Atlantic P15	\$ 28,118,790	0	\$ 2.1160	\$ 0	\$ (28,118,790)	\$ (28,118,790)
<b>Total</b>	<b>\$ 457,813,602</b>	<b>216,357,718</b>	<b>\$</b>	<b>\$ 457,813,602</b>	<b>\$ 0</b>	<b>\$ 0</b>

## ATTACHMENT C

## September 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

Based on the FERC Order on San Diego Gas & Electric Company's Revised Transmission Revenue Requirement (Docket No. ER09-1601)

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$) [1]	Filed Annual TRR New HV Facilities (\$) [2]	Filed Annual Gross Load (MWh) [3]	TAC Area [4]	Total Filed TRR (\$) = [1] + [2] [5]	EHVF only Utility Specific Rate (\$/MWh) [6] = [1] / [3]	EHVF only TAC Area Rate (\$/MWh) [7] = [2] [1]	HV Utility Specific Rate (\$/MWh) [8] = [5] / [3]	TAC Area Rate (\$/MWh) [9] = [19]
PGE	\$ 134,892,376	\$ 166,550,793	94,466,738	N	\$ 301,443,169	\$ 1.4279	\$ 1.7285	\$ 3.1910	\$ 3.8235
SCE	\$ 162,666,933	\$ 193,107,640	92,450,710	EC	\$ 355,774,573	\$ 1.7595	\$ 1.7992	\$ 3.8483	\$ 3.8989
SDGE	\$ 32,867,203	\$ 61,973,862	21,965,835	S	\$ 94,841,065	\$ 1.4963	\$ 1.7353	\$ 4.3177	\$ 3.8303
Anaheim	\$ 20,212,164	\$ -	2,766,313	EC	\$ 20,212,164	\$ 7.3065	\$ 1.7992	\$ 7.3065	\$ 3.8989
Azusa	\$ 1,226,554	\$ -	239,575	EC	\$ 1,226,554	\$ 5.1197	\$ 1.7992	\$ 5.1197	\$ 3.8989
Banning	\$ 930,800	\$ -	139,457	EC	\$ 930,800	\$ 6.6745	\$ 1.7992	\$ 6.6745	\$ 3.8989
Pasadena	\$ 6,796,373	\$ -	1,239,884	EC	\$ 6,796,373	\$ 5.4815	\$ 1.7992	\$ 5.4815	\$ 3.8989
Riverside	\$ 21,027,615	\$ -	2,201,147	EC	\$ 21,027,615	\$ 9.5530	\$ 1.7992	\$ 9.5530	\$ 3.8989
Vernon	\$ 1,231,199	\$ -	1,257,502	EC	\$ 1,231,199	\$ 0.9791	\$ 1.7992	\$ 0.9791	\$ 3.8989
Atlantic P15	\$ -	\$ 28,118,790	-	N	\$ 28,118,790	\$ -	\$ -	\$ -	\$ 3.8235
Startrans	\$ 4,760,375	\$ -	-	EC	\$ 4,760,375	\$ -	\$ 1.7992	\$ -	\$ 3.8989
<b>ISO Total</b>	<b>\$ 386,611,591</b>	<b>\$ 449,751,085</b>	<b>216,727,161</b>		<b>\$ 836,362,676</b>				

**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 (10%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (90%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$) [10] = [1]	Annual TAC Area TRR (\$) [11] = [10] x 10%	Annual TAC Area TRR (w/Load) (\$) [11B] = ([10] w/Load) x 10%	Annual Gross Load (MWh) [12] = [3]	TAC Area Rate (\$/MWh) [13] = [11] / [12]	TAC Area Rate (TRR w/Load) (\$/MWh) [13B] = [11B] / [12]																							
North	\$ 134,892,376	\$ 13,489,238	\$ 13,489,238	94,466,738	\$ 0.1428	\$ 0.1428	<table border="1"> <thead> <tr> <th></th> <th>TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]</th> <th>Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]</th> <th>Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]</th> <th>New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]</th> </tr> </thead> <tbody> <tr> <td>North</td> <td>\$ 3.8235</td> <td>\$ 3.8235</td> <td>\$ 1.7285</td> <td>\$ 2.0752</td> </tr> <tr> <td>East/Central</td> <td>\$ 3.8989</td> <td>\$ 3.8989</td> <td>\$ 1.7992</td> <td>\$ 2.0752</td> </tr> <tr> <td>South</td> <td>\$ 3.8303</td> <td>\$ 3.8303</td> <td>\$ 1.7353</td> <td>\$ 2.0752</td> </tr> </tbody> </table>		TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]	North	\$ 3.8235	\$ 3.8235	\$ 1.7285	\$ 2.0752	East/Central	\$ 3.8989	\$ 3.8989	\$ 1.7992	\$ 2.0752	South	\$ 3.8303	\$ 3.8303	\$ 1.7353	\$ 2.0752		
	TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]																									
North	\$ 3.8235	\$ 3.8235	\$ 1.7285	\$ 2.0752																									
East/Central	\$ 3.8989	\$ 3.8989	\$ 1.7992	\$ 2.0752																									
South	\$ 3.8303	\$ 3.8303	\$ 1.7353	\$ 2.0752																									
East/C	\$ 218,852,012	\$ 21,885,201	\$ 21,409,164	100,294,588	\$ 0.2182	\$ 0.2135																							
South	\$ 32,867,203	\$ 3,286,720	\$ 3,286,720	21,965,835	\$ 0.1496	\$ 0.1496																							
<b>Total</b>	<b>\$ 386,611,591</b>	<b>\$ 38,661,159</b>	<b>\$ 38,185,122</b>	<b>216,727,161</b>																									
ISO Wide TRR Existing HV Facilities (\$) [14] Total ([10]) x 90%	ISO Wide TRR EHVf w/Load (\$) [14B] Total ([10] w/Load) x 90%	ISO Wide TRR New HV Facilities (\$) [15] = Total [2]	ISO Wide Annual Gross Load (MWh) [16] = Total [3]	ISO Wide Rate (\$/MWh) [17] = ([14] + [15]) / [16]	EHVf ISO-Wide Rate TRR w/Load only (\$/MWh) [18] = [14B] / [16]																								
<b>ISO-wide</b>	<b>\$ 347,950,432</b>	<b>\$ 343,666,095</b>	<b>\$ 449,751,085</b>	<b>216,727,161</b>	<b>\$ 3.6807</b>	<b>\$ 1.5857</b>																							

## September 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden.** Note: ISO total for (Benefit)/Burden may not equal zero due to rounding of TAC Rate.

TAC Area		Filed Gross Load (MWH) [24] =[3]	EHVF only TAC Rate (\$/MWH) [25] =[7]	Amount Paid Based on Filed Gross Load (\$) [26] =[24] x [25]	EHVF only Utility Specific Rate (\$/MWH) [27] =[6]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [28] =[24] x [27]	EHVF Access Charge (Benefit)/Burden (\$) [29] =[26] - [28]
PGE	N	94,466,738	\$ 1.7285	\$ 163,285,944	\$ 1.4279	\$ 134,892,376	\$ 28,393,568
SCE	EC	92,450,710	\$ 1.7992	\$ 166,334,661	\$ 1.7595	\$ 162,666,933	\$ 3,667,728
SDGE	S	21,965,835	\$ 1.7353	\$ 38,118,131	\$ 1.4963	\$ 32,867,203	\$ 5,250,928
Anaheim	EC	2,766,313	\$ 1.7992	\$ 4,977,071	\$ 7.3065	\$ 20,212,164	\$ (15,235,093)
Azusa	EC	239,575	\$ 1.7992	\$ 431,036	\$ 5.1197	\$ 1,226,554	\$ (795,518)
Banning	EC	139,457	\$ 1.7992	\$ 250,907	\$ 6.6745	\$ 930,800	\$ (679,893)
Pasadena	EC	1,239,884	\$ 1.7992	\$ 2,230,764	\$ 5.4815	\$ 6,796,373	\$ (4,565,609)
Riverside	EC	2,201,147	\$ 1.7992	\$ 3,960,240	\$ 9.5530	\$ 21,027,615	\$ (17,067,375)
Vernon	EC	1,257,502	\$ 1.7992	\$ 2,262,461	\$ 0.9791	\$ 1,231,199	\$ 1,031,262
Startrans	EC	-	\$ 1.7992	\$ 0	\$ 0	\$ 0	\$ 0
<b>ISO Total</b>		<b>216,727,161</b>		<b>\$ 381,851,216</b>		<b>\$ 381,851,216</b>	<b>\$ (0)</b>

**STEP 3: For Information Only -- Projected annual net benefits/burdens from Access Charge for Existing Facilities.**

\$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.

	EHVF Access Charge (Benefit)/Burden (\$) [30] =[29]	IOU Burden Annual Cap (\$) [31]	Amount IOUs' Cap Exceeds IOUs' Burden (\$) [32] IF ([31] - [30] > 0) = [31] - [30]. If no cap, then 0.	Amount IOU's Burden Exceeds IOU's Cap (\$) [33] IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	Payments by Entities with Net Benefit (\$) [34] IOUs = ((32) / total(32)) x total(33). Munis w/ Benefit= ([30] / total(30)) x total(33) - total(32)	Mitigation Payments (\$) [35] = [34] - [33]	Adjusted Net (Benefit) / Burden (\$) [36] = [30] + [35]	Reallocation IOU Burden (\$) [37] Reallocate IOU Burden [39] so it is proportional to IOU Cap [31] = [39] - [36]	Transition Charge (\$) [38] = [35] + [37]	Adjusted Net (Benefit) / Burden (\$) [39] = [36] + [37]	Transition Charge Rate (\$/MWh) [40] = [38] / [24]
PGE	\$ 28,393,568	\$ 32,000,000	\$ 3,606,432	\$ 0	\$ 107,219	\$ 107,219	\$ 28,500,787	\$ (11,459,237)	\$ (11,352,018)	\$ 17,041,550	\$ (0.1202)
SCE	\$ 3,667,728	\$ 32,000,000	\$ 28,332,272	\$ 0	\$ 842,314	\$ 842,314	\$ 4,510,043	\$ 12,531,507	\$ 13,373,821	\$ 17,041,550	\$ 0.1447
SDGE	\$ 5,250,928	\$ 8,000,000	\$ 2,749,072	\$ 0	\$ 81,730	\$ 81,730	\$ 5,332,657	\$ (1,072,270)	\$ (990,540)	\$ 4,260,387	\$ (0.0451)
Anaheim	\$ (15,235,093)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (15,235,093)	\$ 0	\$ 0	\$ (15,235,093)	\$ 0
Azusa	\$ (795,518)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (795,518)	\$ 0	\$ 0	\$ (795,518)	\$ 0
Banning	\$ (679,893)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (679,893)	\$ 0	\$ 0	\$ (679,893)	\$ 0
Pasadena	\$ (4,565,609)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (4,565,609)	\$ 0	\$ 0	\$ (4,565,609)	\$ 0
Riverside	\$ (17,067,375)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (17,067,375)	\$ 0	\$ 0	\$ (17,067,375)	\$ 0
Vernon	\$ 1,031,262	\$ 0	\$ 0	\$ 1,031,262	\$ 0	\$ (1,031,262)	\$ 0	\$ 0	\$ (1,031,262)	\$ 0	\$ (0.8201)
Startrans	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total</b>	<b>\$ 0</b>	<b>\$ 72,000,000</b>	<b>\$ 34,687,776</b>	<b>\$ 1,031,262</b>	<b>\$ 1,031,262</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## September 01, 2009 TAC Rates

### Based on Filed Annual TRR/TRBA and Load Data

**STEP 4: For Information Only -- Projected annual net benefits/burdens from Access Charge for New Facilities and Total projected annual net benefits/burdens from Access Charge.**

	Filed Annual TRR New HV Facilities (\$) [41] =[2]	ISO Wide Annual Gross Load (MWh) [42] =[3]	New HVTRR Rate (\$/MWh) [43] =[15]/[16]	New HVTRR Cost Responsibility (\$) [44] =[42] * [43]	NHVF Access Charge (Benefit)/Burden (\$) [45] =[44] - [41]	Total Access Charge (Benefit)/Burden (\$) [46] =[45] + [39]
PGE	\$ 166,550,793	94,466,738	\$ 2.0752	\$ 196,036,887	\$ 29,486,094	\$ 46,527,643
SCE	\$ 193,107,640	92,450,710	\$ 2.0752	\$ 191,853,236	\$ (1,254,404)	\$ 15,787,146
SDGE	\$ 61,973,862	21,965,835	\$ 2.0752	\$ 45,583,387	\$ (16,390,475)	\$ (12,130,087)
Anaheim	\$ -	2,766,313	\$ 2.0752	\$ 5,740,638	\$ 5,740,638	\$ (9,494,455)
Azusa	\$ -	239,575	\$ 2.0752	\$ 497,165	\$ 497,165	\$ (298,353)
Banning	\$ -	139,457	\$ 2.0752	\$ 289,400	\$ 289,400	\$ (390,492)
Pasadena	\$ -	1,239,884	\$ 2.0752	\$ 2,573,001	\$ 2,573,001	\$ (1,992,608)
Riverside	\$ -	2,201,147	\$ 2.0752	\$ 4,567,809	\$ 4,567,809	\$ (12,499,566)
Vernon	\$ -	1,257,502	\$ 2.0752	\$ 2,609,562	\$ 2,609,562	\$ 2,609,562
Atlantic P15	\$ 28,118,790	0	\$ 2.0752	\$ 0	\$ (28,118,790)	\$ (28,118,790)
<b>Total</b>	<b>\$ 449,751,085</b>	<b>216,727,161</b>	<b>\$</b>	<b>\$ 449,751,085</b>	<b>\$ 0</b>	<b>\$ 0</b>

ATTACHMENT D

## October 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

Based on the FERC Order on City of Pasadena's Revised Transmission Revenue Requirement (Docket No. EL09-67)

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$) [1]	Filed Annual TRR New HV Facilities (\$) [2]	Filed Annual Gross Load (MWh) [3]	TAC Area [4]	Total Filed TRR (\$) = [1] + [2] [5]	EHVF only Utility Specific Rate (\$/MWh) [6] = [1] / [3]	EHVF only TAC Area Rate (\$/MWh) [7] = [2] [1]	HV Utility Specific Rate (\$/MWh) [8] = [5] / [3]	TAC Area Rate (\$/MWh) [9] = [19]
PGE	\$ 134,892,376	\$ 166,550,793	94,466,738	N	\$ 301,443,169	\$ 1.4279	\$ 1.7390	\$ 3.1910	\$ 3.8335
SCE	\$ 162,666,933	\$ 193,107,640	92,450,710	EC	\$ 355,774,573	\$ 1.7595	\$ 1.8122	\$ 3.8483	\$ 3.9114
SDGE	\$ 32,867,203	\$ 61,973,862	21,965,835	S	\$ 94,841,065	\$ 1.4963	\$ 1.7459	\$ 4.3177	\$ 3.8403
Anaheim	\$ 20,212,164	\$ -	2,766,313	EC	\$ 20,212,164	\$ 7.3065	\$ 1.8122	\$ 7.3065	\$ 3.9114
Azusa	\$ 1,226,554	\$ -	239,575	EC	\$ 1,226,554	\$ 5.1197	\$ 1.8122	\$ 5.1197	\$ 3.9114
Banning	\$ 930,800	\$ -	139,457	EC	\$ 930,800	\$ 6.6745	\$ 1.8122	\$ 6.6745	\$ 3.9114
Pasadena	\$ 9,429,679	\$ -	1,295,096	EC	\$ 9,429,679	\$ 7.2811	\$ 1.8122	\$ 7.2811	\$ 3.9114
Riverside	\$ 21,027,615	\$ -	2,201,147	EC	\$ 21,027,615	\$ 9.5530	\$ 1.8122	\$ 9.5530	\$ 3.9114
Vernon	\$ 1,231,199	\$ -	1,257,502	EC	\$ 1,231,199	\$ 0.9791	\$ 1.8122	\$ 0.9791	\$ 3.9114
Atlantic P15	\$ -	\$ 28,118,790	-	N	\$ 28,118,790	\$ -	\$ -	\$ -	\$ 3.8335
Startrans	\$ 4,760,375	\$ -	-	EC	\$ 4,760,375	\$ -	\$ 1.8122	\$ -	\$ 3.9114
<b>ISO Total</b>	<b>\$ 389,244,897</b>	<b>\$ 449,751,085</b>	<b>216,782,373</b>		<b>\$ 838,995,982</b>				

**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 (10%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (90%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$) [10] = [1]	Annual TAC Area TRR (\$) [11] = [10] x 10%	Annual TAC Area TRR (w/Load) (\$) [11B] = ([10] w/Load) x 10%	Annual Gross Load (MWh) [12] = [3]	TAC Area Rate (\$/MWh) [13] = [11] / [12]	TAC Area Rate (TRR w/Load) (\$/MWh) [13B] = [11B] / [12]																							
North	\$ 134,892,376	\$ 13,489,238	\$ 13,489,238	94,466,738	\$ 0.1428	\$ 0.1428	<table border="1"> <thead> <tr> <th></th> <th>TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]</th> <th>Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]</th> <th>Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]</th> <th>New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]</th> </tr> </thead> <tbody> <tr> <td>North</td> <td>\$ 3.8335</td> <td>\$ 3.8335</td> <td>\$ 1.7390</td> <td>\$ 2.0747</td> </tr> <tr> <td>East/Central</td> <td>\$ 3.9114</td> <td>\$ 3.9114</td> <td>\$ 1.8122</td> <td>\$ 2.0747</td> </tr> <tr> <td>South</td> <td>\$ 3.8403</td> <td>\$ 3.8403</td> <td>\$ 1.7459</td> <td>\$ 2.0747</td> </tr> </tbody> </table>		TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]	North	\$ 3.8335	\$ 3.8335	\$ 1.7390	\$ 2.0747	East/Central	\$ 3.9114	\$ 3.9114	\$ 1.8122	\$ 2.0747	South	\$ 3.8403	\$ 3.8403	\$ 1.7459	\$ 2.0747		
	TAC Rate (TAC Area + ISO Wide) (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) [21] = [13B] + [18]	New HV Facilities (NHVF) only TAC Rate (\$/MWh) [22] = [15] / [16]																									
North	\$ 3.8335	\$ 3.8335	\$ 1.7390	\$ 2.0747																									
East/Central	\$ 3.9114	\$ 3.9114	\$ 1.8122	\$ 2.0747																									
South	\$ 3.8403	\$ 3.8403	\$ 1.7459	\$ 2.0747																									
East/C	\$ 221,485,318	\$ 22,148,532	\$ 21,672,494	100,349,800	\$ 0.2207	\$ 0.2160																							
South	\$ 32,867,203	\$ 3,286,720	\$ 3,286,720	21,965,835	\$ 0.1496	\$ 0.1496																							
<b>Total</b>	<b>\$ 389,244,897</b>	<b>\$ 38,924,490</b>	<b>\$ 38,448,452</b>	<b>216,782,373</b>																									
	ISO Wide TRR Existing HV Facilities (\$) [14] Total ([10]) x 90%	ISO Wide TRR EHVf w/Load (\$) [14B] Total ([10] w/Load) x 90%	ISO Wide TRR New HV Facilities (\$) [15] = Total [2]	ISO Wide Annual Gross Load (MWh) [16] = Total [3]	ISO Wide Rate (\$/MWh) [17] = ([14] + [15]) / [16]	EHVF ISO-Wide Rate TRR w/Load only (\$/MWh) [18] = [14B] / [16]																							
<b>ISO-wide</b>	<b>\$ 350,320,408</b>	<b>\$ 346,036,070</b>	<b>\$ 449,751,085</b>	<b>216,782,373</b>	<b>\$ 3.6907</b>	<b>\$ 1.5962</b>																							

## October 01, 2009 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden.** Note: ISO total for (Benefit)/Burden may not equal zero due to rounding of TAC Rate.

TAC Area		Filed Gross Load (MWH)	EHVF only TAC Rate (\$/MWH)	Amount Paid Based on Filed Gross Load (\$)	EHVF only Utility Specific Rate (\$/MWH)	Would Have Paid w/ EHVF Utility Specific Rate (\$)	EHVF Access Charge (Benefit)/Burden (\$)
		[24] =[3]	[25] =[7]	[26] =[24] x [25]	[27] =[6]	[28] =[24] x [27]	[29] =[26] - [28]
PGE	N	94,466,738	\$ 1.7390	\$ 164,280,551	\$ 1.4279	\$ 134,892,376	\$ 29,388,175
SCE	EC	92,450,710	\$ 1.8122	\$ 167,539,787	\$ 1.7595	\$ 162,666,933	\$ 4,872,854
SDGE	S	21,965,835	\$ 1.7459	\$ 38,349,401	\$ 1.4963	\$ 32,867,203	\$ 5,482,198
Anaheim	EC	2,766,313	\$ 1.8122	\$ 5,013,131	\$ 7.3065	\$ 20,212,164	\$ (15,199,034)
Azusa	EC	239,575	\$ 1.8122	\$ 434,159	\$ 5.1197	\$ 1,226,554	\$ (792,395)
Banning	EC	139,457	\$ 1.8122	\$ 252,725	\$ 6.6745	\$ 930,800	\$ (678,075)
Pasadena	EC	1,295,096	\$ 1.8122	\$ 2,346,982	\$ 7.2811	\$ 9,429,679	\$ (7,082,697)
Riverside	EC	2,201,147	\$ 1.8122	\$ 3,988,933	\$ 9.5530	\$ 21,027,615	\$ (17,038,682)
Vernon	EC	1,257,502	\$ 1.8122	\$ 2,278,853	\$ 0.9791	\$ 1,231,199	\$ 1,047,654
Startrans	EC	-	\$ 1.8122	\$ 0	\$ 0	\$ 0	\$ 0
<b>ISO Total</b>		<b>216,782,373</b>		<b>\$ 384,484,522</b>		<b>\$ 384,484,522</b>	<b>\$ 0</b>

**STEP 3: For Information Only -- Projected annual net benefits/burdens from Access Charge for Existing Facilities.**

\$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.

	EHVF Access Charge (Benefit)/Burden (\$)	IOU Burden Annual Cap (\$)	Amount IOUs' Cap Exceeds IOUs' Burden (\$)	Amount IOU's Burden Exceeds IOU's Cap (\$)	Payments by Entities with Net Benefit (\$)	Mitigation Payments (\$)	Adjusted Net (Benefit) / Burden (\$)	Reallocation IOU Burden (\$)	Transition Charge (\$)	Adjusted Net (Benefit) / Burden (\$)	Transition Charge Rate (\$/MWh)
	[30] =[29]	[31]	[32] IF ([31] - [30] > 0) = [31] - [30]. If no cap, then 0.	[33] IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	[34] IOUs = ([32] / total[32]) x total[33]. Munis w/ Benefit = ([30] / total[30]) x total[33] - total[32]	[35] = [34] - [33]	[36] = [30] + [35]	[37] Reallocate IOU Burden [39] so it is proportional to IOU Cap [31] = [39] - [36]	[38] = [35] + [37]	[39] = [36] + [37]	[40] = [38] / [24]
PGE	\$ 29,388,175	\$ 32,000,000	\$ 2,611,825	\$ 0	\$ 84,828	\$ 84,828	\$ 29,473,004	\$ (11,343,723)	\$ (11,258,894)	\$ 18,129,281	\$ (0.1192)
SCE	\$ 4,872,854	\$ 32,000,000	\$ 27,127,146	\$ 0	\$ 881,051	\$ 881,051	\$ 5,753,905	\$ 12,375,376	\$ 13,256,427	\$ 18,129,281	\$ 0.1434
SDGE	\$ 5,482,198	\$ 8,000,000	\$ 2,517,802	\$ 0	\$ 81,775	\$ 81,775	\$ 5,563,973	\$ (1,031,653)	\$ (949,878)	\$ 4,532,320	\$ (0.0432)
Anaheim	\$ (15,199,034)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (15,199,034)	\$ 0	\$ 0	\$ (15,199,034)	\$ 0
Azusa	\$ (792,395)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (792,395)	\$ 0	\$ 0	\$ (792,395)	\$ 0
Banning	\$ (678,075)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (678,075)	\$ 0	\$ 0	\$ (678,075)	\$ 0
Pasadena	\$ (7,082,697)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,082,697)	\$ 0	\$ 0	\$ (7,082,697)	\$ 0
Riverside	\$ (17,038,682)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (17,038,682)	\$ 0	\$ 0	\$ (17,038,682)	\$ 0
Vernon	\$ 1,047,654	\$ 0	\$ 0	\$ 1,047,654	\$ 0	\$ (1,047,654)	\$ 0	\$ 0	\$ (1,047,654)	\$ 0	\$ (0.8331)
Startrans	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total</b>	<b>\$ 0</b>	<b>\$ 72,000,000</b>	<b>\$ 32,256,773</b>	<b>\$ 1,047,654</b>	<b>\$ 1,047,654</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## October 01, 2009 TAC Rates

### Based on Filed Annual TRR/TRBA and Load Data

**STEP 4: For Information Only -- Projected annual net benefits/burdens from Access Charge for New Facilities and Total projected annual net benefits/burdens from Access Charge.**

	Filed Annual TRR New HV Facilities (\$) [41] =[2]	ISO Wide Annual Gross Load (MWh) [42] =[3]	New HVTRR Rate (\$/MWh) [43] =[15]/[16]	New HVTRR Cost Responsibility (\$) [44] =[42] * [43]	NHVF Access Charge (Benefit)/Burden (\$) [45] =[44] - [41]	Total Access Charge (Benefit)/Burden (\$) [46] =[45] + [39]
PGE	\$ 166,550,793	94,466,738	\$ 2.0747	\$ 195,986,958	\$ 29,436,165	\$ 47,565,446
SCE	\$ 193,107,640	92,450,710	\$ 2.0747	\$ 191,804,373	\$ (1,303,267)	\$ 16,826,014
SDGE	\$ 61,973,862	21,965,835	\$ 2.0747	\$ 45,571,778	\$ (16,402,084)	\$ (11,869,764)
Anaheim	\$ -	2,766,313	\$ 2.0747	\$ 5,739,176	\$ 5,739,176	\$ (9,459,857)
Azusa	\$ -	239,575	\$ 2.0747	\$ 497,038	\$ 497,038	\$ (295,356)
Banning	\$ -	139,457	\$ 2.0747	\$ 289,327	\$ 289,327	\$ (388,748)
Pasadena	\$ -	1,295,096	\$ 2.0747	\$ 2,686,892	\$ 2,686,892	\$ (4,395,805)
Riverside	\$ -	2,201,147	\$ 2.0747	\$ 4,566,646	\$ 4,566,646	\$ (12,472,036)
Vernon	\$ -	1,257,502	\$ 2.0747	\$ 2,608,897	\$ 2,608,897	\$ 2,608,897
Atlantic P15	\$ 28,118,790	0	\$ 2.0747	\$ 0	\$ (28,118,790)	\$ (28,118,790)
<b>Total</b>	<b>\$ 449,751,085</b>	<b>216,782,373</b>	<b>\$</b>	<b>\$ 449,751,085</b>	<b>\$ (0)</b>	<b>\$ 0</b>