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July 31, 2007

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

**Re: *California Independent System Operator Corporation*  
Docket No. ER07-\_\_\_\_-000**

## **Transmission Access Charge Informational Filing**

Dear Secretary Bose:

The enclosed informational filing by the California Independent System Operator Corporation ("ISO") is intended to provide notice regarding the revised transmission Access Charges for eleven (11) consecutive periods:

- December 22, 2004 through December 31, 2004;
- January 1, 2005 through June 30, 2005;
- July 1, 2005 through August 31, 2005;
- September 1, 2005 through December 31, 2005;
- January 1, 2006 through February 28, 2006;
- March 1, 2006 through June 3, 2006;
- June 4, 2006 through August 31, 2006;
- September 1, 2006 through September 30, 2006;
- October 1, 2006 through December 31, 2006;
- January 1, 2007 through February 28, 2007; and
- March 1, 2007 through the current time.

The basis for the revisions is to implement the revised Transmission Revenue Requirement ("TRR") of Atlantic Path 15, LLC ("Path 15")<sup>1</sup>, as modified by the Commission in an order issued on May 30, 2007 in Docket No. ER05-17-007.<sup>2</sup>

### Changes in Rates

Worksheets illustrating the recalculation of the ISO's transmission Access Charge for each period are included with the present transmittal letter as Attachments A-K. The refunds resulting from the recalculation are invoiced for August 16, 2007. The changes in the present filing are effective retroactive to December 22, 2004.

The re-calculated rates for each of the TAC Areas, effective December 22, 2004 through December 31, 2004, are reflected in Attachment A and are as follows:

Northern Area -	\$ 2.3269 /MWh
East Central Area -	\$ 2.7917 /MWh
Southern Area -	\$ 2.0765 /MWh

The re-calculated rates for each of the TAC Areas, effective January 1, 2005 through June 30, 2005, are reflected in Attachment B and are as follows:

Northern Area -	\$ 2.1050 /MWh
East Central Area -	\$ 2.4765 /MWh
Southern Area -	\$ 2.0249 /MWh

The re-calculated rates for each of the TAC Areas, effective July 1, 2005 through August 31, 2005, are reflected in Attachment C and are as follows:

Northern Area -	\$ 2.1099 /MWh
East Central Area -	\$ 2.4924 /MWh
Southern Area -	\$ 2.0298 /MWh

The re-calculated rates for each of the TAC Areas, effective September 1, 2005 through December 31, 2005, are reflected in Attachment D and are as follows:

Northern Area -	\$ 2.1447 /MWh
East Central Area -	\$ 2.5272 /MWh
Southern Area -	\$ 1.9901 /MWh

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<sup>1</sup> Since the time that the original filing was made commencing that proceeding, the entity formerly known as Trans-Elect NTD Path 15, LLC changed its name to Atlantic Path 15, LLC.

<sup>2</sup> *Trans-Elect NTD Path 15, LLC*, 119 FERC ¶ 61,205 (2007).

The re-calculated rates for each of the TAC Areas, effective January 1, 2006 through February 28, 2006, are reflected in Attachment E and are as follows:

Northern Area -	\$ 2.3079 /MWh
East Central Area -	\$ 2.3871 /MWh
Southern Area -	\$ 2.3122 /MWh

The re-calculated rates for each of the TAC Areas, effective March 1, 2006 through June 3, 2006, are reflected in Attachment F and are as follows:

Northern Area -	\$ 2.5693 /MWh
East Central Area -	\$ 2.7046 /MWh
Southern Area -	\$ 2.6297 /MWh

The re-calculated rates for each of the TAC Areas, effective June 4, 2006 through August 31, 2006, are reflected in Attachment G and are as follows:

Northern Area -	\$ 2.8118 /MWh
East Central Area -	\$ 2.9047 /MWh
Southern Area -	\$ 2.9577 /MWh

The re-calculated rates for each of the TAC Areas, effective September 1, 2006 through September 30, 2006, are reflected in Attachment H and are as follows:

Northern Area -	\$ 2.9000 /MWh
East Central Area -	\$ 2.9930 /MWh
Southern Area -	\$ 3.0494 /MWh;

The re-calculated rates for each of the TAC Areas, effective October 1, 2006 through December 31, 2006, are reflected in Attachment I and are as follows:

Northern Area -	\$ 2.9067 /MWh
East Central Area -	\$ 3.0058 /MWh
Southern Area -	\$ 3.0561 /MWh

The re-calculated rates for each of the TAC Areas, effective January 1, 2007 through February 28, 2007, are reflected in Attachment J and are as follows:

Northern Area -	\$ 2.7759 /MWh
East Central Area -	\$ 2.9156 /MWh
Southern Area -	\$ 2.8430 /MWh

Finally, the re-calculated rates for each of the TAC Areas, effective March 1, 2007 through the current time, are reflected in Attachment K and are as follows:

Northern Area -	\$ 2.9196 /MWh
East Central Area -	\$ 3.0482 /MWh
Southern Area -	\$ 2.9757 /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:

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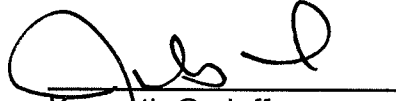
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\*Individuals designated for service pursuant to Rule 203(b)(3),  
18 C.F.R. § 385.203(b)(3).

The ISO has served copies of this transmittal letter and Attachments A through K hereto on the Public Utilities Commission of the State of California, the California Energy Commission, the California Electricity Oversight Board, the Participating Transmission Owners, and on all parties with effective Scheduling Coordinator Service Agreements under the ISO Tariff. In addition, the ISO is posting this transmittal letter and all attachments on the ISO Home Page.

Two additional copies of this filing are enclosed to be date-stamped and returned to our messenger. If there are any questions concerning this filing, please contact the undersigned.

Respectfully submitted,



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# ATTACHMENT A

## December 22, 2004 TAC Rate Based on Filed Annual TRR/TRBA and Load Data

### Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

**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]	EHVF only Utility Specific Rate (\$/MWh) [6] = [1]/[3]	EHVF only TAC Area Rate (\$/MWh) [7] = [2]/[3]	HV Utility Specific Rate (\$/MWh) [8] = [5]/[3]	TAC Area Rate (\$/MWh) [9] = [19]
PGE	\$ 142,618,825	\$ 38,941,972	83,389,232	N	1.7103	1.8372	2.1773	2.3269
SCE	\$ 173,100,226	\$ 7,193,729	84,358,000	EC	2.0520	2.3020	2.1372	2.7917
SDGE	\$ 26,121,154	\$ 13,870,916	20,204,653	S	1.2928	1.5868	1.9793	2.0765
Anaheim	\$ 22,137,953	\$ -	2,589,830	EC	8.5480	2.3020	8.5480	2.7917
Azusa	\$ 1,374,977	\$ -	239,575	EC	5.7392	2.3020	5.7392	2.7917
Banning	\$ 977,164	\$ -	139,457	EC	7.0069	2.3020	7.0069	2.7917
Riverside	\$ 16,934,138	\$ -	1,814,019	EC	9.3351	2.3020	9.3351	2.7917
Vernon	\$ 9,990,364	\$ -	1,210,668	EC	8.2519	2.3020	8.2519	2.7917
Trans-Elect	\$ -	\$ 34,971,034	-	N	-	-	-	-
<b>ISO Total</b>	<b>\$ 393,254,801</b>	<b>\$ 94,977,651</b>	<b>193,945,434</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 (60%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (40%), 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 60%	Annual Gross Load (GWh) [12] = [3]	TAC Area Rate (\$/MWh) [13] = [11]/[12]	ISO Wide TRR Existing HV Facilities (\$) [15] = Total [2]	ISO Wide Annual Gross Load (GWh) [16] = Total [3]	ISO Wide Rate (\$/MWh) [17] = ([14] + [15])/[16]	EHVF only ISO-Wide Rate (\$/MWh) [18] = [14]/[16]	EHVF only TAC Area Rate (\$/MWh) [19] = [13] + [17]	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) [20] = [19]	Existing HV Facilities Rate (\$/MWh) [21] = [13] + [18]	New HV Facilities Rate (\$/MWh) [22] = [15]/[16]
North	\$ 142,618,825	\$ 85,571,295	83,389,232	\$ 1.0262	\$ 94,977,651	193,945,434	1.3008	\$ 0.8111	\$ 2.3269	\$ 2.3269	\$ 1.8372	\$ 0.4897
East/C	\$ 224,514,822	\$ 134,708,893	90,351,549	\$ 1.4909					\$ 2.7917	\$ 2.7917	\$ 2.3020	\$ 0.4897
South	\$ 26,121,154	\$ 15,672,692	20,204,653	\$ 0.7757					\$ 2.0765	\$ 2.0765	\$ 1.5868	\$ 0.4897
<b>Total</b>	<b>\$ 393,254,801</b>	<b>\$ 235,952,881</b>	<b>193,945,434</b>		<b>\$ 94,977,651</b>	<b>193,945,434</b>	<b>1.3008</b>	<b>\$ 0.8111</b>				

## December 22, 2004 TAC Rate 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) [23]	EHVF only TAC Rate (\$/MWH) [24]	Amount Paid Based on Filed Gross Load (\$) [25]	EHVF only Utility Specific Rate (\$/MWH) [26]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [27]	EHVF Access Charge (Benefit)/Burden (\$) [28]
PGE	83,389,232	1.8372	153,205,196	1.7103	142,618,825	10,586,371
SCE	84,358,000	2.3020	194,192,494	2.0520	173,100,226	21,092,268
SDGE	20,204,653	1.5868	32,059,934	1.2928	26,121,154	5,938,780
Anaheim	2,588,830	2.3020	5,961,800	8.5480	22,137,953	(16,176,153)
Azusa	239,575	2.3020	551,503	5.7392	1,374,977	(823,474)
Banning	139,457	2.3020	321,031	7.0069	977,164	(656,133)
Riverside	1,814,019	2.3020	4,175,880	9.3351	16,934,138	(12,758,258)
Vernon	1,210,668	2.3020	2,786,963	8.2519	9,990,364	(7,203,401)
<b>ISO Total</b>	<b>193,945,434</b>		<b>393,254,801</b>		<b>393,254,801</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 (\$) [29]	IOU Burden Annual Cap (\$) [30]	IOUs' Cap Exceeds IOUs' Burden Exceeds IOUs' Cap Amount (\$) [31]	IOUs' Burden Exceeds IOUs' Cap Amount (\$) [32]	Payments by Entities with Net Benefit (\$) [33]	Mitigation Payments (\$) [34]	Adjusted Net (Benefit) / Burden (\$) [35]	Reallocate IOU Burden (\$) [36]	Transition Charge (\$) [37]	Adjusted Net (Benefit) / Burden (\$) [38]	Transition Charge Rate (\$/MWh) [39]
\$ 10,586,371	\$ 32,000,000	\$ 21,413,629	\$ 0	\$ 0	\$ 0	\$ 10,586,371	\$ 6,132,482	\$ 6,132,482	\$ 16,718,853	\$ 0.0735
\$ 21,092,268	\$ 32,000,000	\$ 10,907,732	\$ 0	\$ 0	\$ 0	\$ 21,092,268	\$ (4,373,415)	\$ (4,373,415)	\$ 16,718,853	\$ (0.0518)
\$ 5,938,780	\$ 8,000,000	\$ 2,061,220	\$ 0	\$ 0	\$ 0	\$ 5,938,780	\$ (1,759,067)	\$ (1,759,067)	\$ 4,179,713	\$ (0.0871)
\$ (16,176,153)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (16,176,153)	\$ 0	\$ 0	\$ (16,176,153)	\$ 0
\$ (823,474)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (823,474)	\$ 0	\$ 0	\$ (823,474)	\$ 0
\$ (656,133)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (656,133)	\$ 0	\$ 0	\$ (656,133)	\$ 0
\$ (12,758,258)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,758,258)	\$ 0	\$ 0	\$ (12,758,258)	\$ 0
\$ (7,203,401)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,203,401)	\$ 0	\$ 0	\$ (7,203,401)	\$ 0
<b>Total</b>	<b>\$ 0</b>	<b>\$ 34,382,581</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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 (\$) [40]	ISO Wide Annual Gross Load (MWH) [41]	New HVTRR Rate (\$/MWH) [42]	New HVTRR Cost Responsibility (\$) [43]	Access Charge (Benefit)/Burden (\$) [44]	Total Access Charge (Benefit)/Burden (\$) [45]
\$ 38,941,972	83,389,232	\$ 0.4897	\$ 40,836,813	\$ 1,894,841	\$ 18,613,694
\$ 7,193,729	84,358,000	\$ 0.4897	\$ 41,311,231	\$ 34,117,502	\$ 50,836,355
\$ 13,870,916	20,204,653	\$ 0.4897	\$ 9,894,487	\$ (3,976,429)	\$ 203,284
\$ -	2,588,830	\$ 0.4897	\$ 1,268,274	\$ 1,268,274	\$ (14,907,879)
\$ -	239,575	\$ 0.4897	\$ 117,323	\$ 117,323	\$ (706,151)
\$ -	139,457	\$ 0.4897	\$ 68,294	\$ 68,294	\$ (587,839)
\$ -	1,814,019	\$ 0.4897	\$ 888,349	\$ 888,349	\$ (11,869,909)
\$ -	1,210,668	\$ 0.4897	\$ 592,880	\$ 592,880	\$ (6,610,521)
\$ 34,971,034	0	\$ 0.4897	\$ 0	\$ (34,971,034)	\$ 0
<b>Total</b>	<b>\$ 94,977,651</b>		<b>\$ 94,977,651</b>	<b>\$ 0</b>	<b>\$ 0</b>



## ATTACHMENT B

January 1, 2005 TAC Rate  
Based on Filed Annual TRR/TRBA and Load Data

Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

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]					= [5] / [3]		= [9] / [19]	
PGE	\$ 121,897,883	\$ 38,762,806	83,389,232	N	\$ 160,660,689	1.4618	1.6279	1.9266	2.1050
SCE	\$ 142,035,479	\$ 5,902,735	84,358,000	EC	\$ 147,938,214	1.6837	1.9994	1.7537	2.4765
SDGE	\$ 26,298,519	\$ 13,487,019	20,204,653	S	\$ 39,785,538	1.3016	1.5478	1.9691	2.0249
Anaheim	\$ 21,947,171	\$ -	2,589,830	EC	\$ 21,947,171	8.4744	1.9994	8.4744	2.4765
Azusa	\$ 1,383,218	\$ -	239,575	EC	\$ 1,383,218	5.7736	1.9994	5.7736	2.4765
Banning	\$ 1,028,184	\$ -	139,457	EC	\$ 1,028,184	7.3728	1.9994	7.3728	2.4765
Pasadena	\$ 9,485,065	\$ -	1,239,884	EC	\$ 9,485,065	7.6500	1.9994	7.6500	2.4765
Riverside	\$ 16,268,161	\$ -	1,814,019	EC	\$ 16,268,161	8.9680	1.9994	8.9680	2.4765
Vernon	\$ 9,803,614	\$ -	1,210,668	EC	\$ 9,803,614	8.0977	1.9994	8.0977	2.4765
Trans-Elect	\$ -	\$ 34,971,034	-	N	\$ 34,971,034	-	-	-	-
ISO Total	\$ 350,147,294	\$ 93,123,594	195,185,318		\$ 443,270,888				

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 (50%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (50%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (GWh)	TAC Area Rate (\$/MWh)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	North	East/Central	South	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	= [10] x 50%		= [11] / [12]		= [14] + [15]		= [17] / [16]		= [13] + [17]		= [15] / [16]		
North	\$ 121,897,883	\$ 60,948,942	83,389,232	\$ 0.7309	\$ -	-	-	-	\$ 2,1050	\$ 2,1050	\$ 2,1050	\$ 1,6279	\$ 0.4771
East/C	\$ 201,950,892	\$ 100,975,446	91,591,433	\$ 1.1025	\$ -	-	-	-	\$ 2,4765	\$ 2,4765	\$ 2,4765	\$ 1,9994	\$ 0.4771
South	\$ 26,298,519	\$ 13,149,260	20,204,653	\$ 0.6508	\$ -	-	-	-	\$ 2,0249	\$ 2,0249	\$ 2,0249	\$ 1,5478	\$ 0.4771
Total	\$ 350,147,294	\$ 175,073,647	195,185,318		\$ -	-	-	-	\$ 2,1050	\$ 2,1050	\$ 2,1050	\$ 1,6279	\$ 0.4771
ISO Wide TRR Existing HV Facilities (\$)													
ISO Wide TRR New HV Facilities (\$)													
ISO Wide TRR HV Facilities (\$)													
Total ([10] x 50%)													
ISO-wide	\$ 175,073,647	\$ 93,123,594	195,185,318	\$ 1.3741	\$ 0.8970								

# January 1, 2005 TAC Rate 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 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	83,389,232	1.6279	\$ 135,745,843	\$ 1.4618	\$ 121,897,883	\$ 13,847,960
SCE	84,358,000	1.9994	\$ 168,666,759	\$ 1.6837	\$ 142,035,479	\$ 26,631,280
SDGE	20,204,653	1.5478	\$ 31,272,048	\$ 1.3016	\$ 26,298,519	\$ 4,973,529
Anaheim	2,589,830	1.9994	\$ 5,178,148	\$ 8.4744	\$ 21,947,171	\$ (16,769,023)
Azusa	239,575	1.9994	\$ 479,010	\$ 5.7736	\$ 1,383,218	\$ (904,208)
Banning	139,457	1.9994	\$ 278,833	\$ 7.3728	\$ 1,028,184	\$ (749,351)
Pasadena	1,239,884	1.9994	\$ 2,479,044	\$ 7.6500	\$ 9,485,065	\$ (7,006,021)
Riverside	1,814,019	1.9994	\$ 3,626,979	\$ 8.9680	\$ 16,268,161	\$ (12,641,182)
Vernon	1,210,668	1.9994	\$ 2,420,629	\$ 8.0977	\$ 9,803,614	\$ (7,382,985)
<b>ISO Total</b>	<b>195,185,318</b>		<b>\$ 350,147,294</b>		<b>\$ 350,147,294</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]	IOUs' Cap Exceeds IOUs' Burden (\$) [32] IF (31) - (30) > 0 = (31) - (30) If no cap, then 0.	Amount IOUs' Burden Exceeds IOUs' 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 [37] 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]
\$ 13,847,960	\$ 32,000,000	\$ 18,152,040	\$ 0	\$ 0	\$ 0	\$ 13,847,960	\$ 6,353,271	\$ 6,353,271	\$ 20,201,231	\$ 0.0762
\$ 26,631,280	\$ 32,000,000	\$ 5,368,720	\$ 0	\$ 0	\$ 0	\$ 26,631,280	\$ (6,430,049)	\$ (6,430,049)	\$ 20,201,231	\$ (0.0762)
\$ 4,973,529	\$ 8,000,000	\$ 3,026,471	\$ 0	\$ 0	\$ 0	\$ 4,973,529	\$ 76,778	\$ 76,778	\$ 5,050,308	\$ 0.0038
\$ (16,769,023)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (16,769,023)	\$ 0	\$ 0	\$ (16,769,023)	\$ 0
\$ (904,208)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (904,208)	\$ 0	\$ 0	\$ (904,208)	\$ 0
\$ (749,351)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (749,351)	\$ 0	\$ 0	\$ (749,351)	\$ 0
\$ (7,006,021)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,006,021)	\$ 0	\$ 0	\$ (7,006,021)	\$ 0
\$ (12,641,182)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,641,182)	\$ 0	\$ 0	\$ (12,641,182)	\$ 0
\$ (7,382,985)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,382,985)	\$ 0	\$ 0	\$ (7,382,985)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 26,547,230</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**January 1, 2005 TAC Rate  
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	\$ 38,762,806	83,389,232	\$ 0.4771	\$ 39,785,293	\$ 1,022,487	\$ 21,223,718
SCE	\$ 5,902,735	84,358,000	\$ 0.4771	\$ 40,247,495	\$ 34,344,760	\$ 54,545,991
SDGE	\$ 13,487,019	20,204,653	\$ 0.4771	\$ 9,639,710	\$ (3,847,309)	\$ 1,202,999
Anaheim	\$ -	2,589,830	\$ 0.4771	\$ 1,235,617	\$ 1,235,617	\$ (15,533,406)
Azusa	\$ -	239,575	\$ 0.4771	\$ 114,302	\$ 114,302	\$ (789,906)
Banning	\$ -	139,457	\$ 0.4771	\$ 66,535	\$ 66,535	\$ (682,816)
Pasadena	\$ -	1,239,884	\$ 0.4771	\$ 591,553	\$ 591,553	\$ (6,414,468)
Riverside	\$ -	1,814,019	\$ 0.4771	\$ 865,475	\$ 865,475	\$ (11,775,707)
Vernon	\$ -	1,210,668	\$ 0.4771	\$ 577,614	\$ 577,614	\$ (6,805,371)
Trans-Elect	\$ 34,971,034	0	\$ 0.4771	\$ 0	\$ (34,971,034)	\$ (34,971,034)
<b>Total</b>	<b>\$ 93,123,594</b>	<b>195,165,318</b>		<b>\$ 93,123,594</b>	<b>\$ 0</b>	<b>\$ 0</b>

## ATTACHMENT C

**July 1, 2005 TAC Rate**  
Based on Filed Annual TRR/TRBA and Load Data

**Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)**

**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] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [4]	[8] = [5] / [3]	[9] = [9] / [10]
PGE	\$ 121,897,883	\$ 38,762,806	\$ 83,389,232	N	\$ 160,660,689	\$ 1,4618	\$ 1,6332	\$ 1,9266	\$ 2,1099
SCE	\$ 142,035,479	\$ 5,902,735	\$ 84,388,000	EC	\$ 147,938,214	\$ 1,6837	\$ 2,0157	\$ 1,7537	\$ 2,4924
SDGE	\$ 26,298,519	\$ 13,487,019	\$ 20,204,653	S	\$ 39,785,538	\$ 1,3016	\$ 1,5531	\$ 1,9691	\$ 2,0298
Anaheim	\$ 24,347,171	\$ -	\$ 2,766,313	EC	\$ 24,347,171	\$ 8,8013	\$ 2,0157	\$ 8,8013	\$ 2,4924
Azusa	\$ 1,383,218	\$ -	\$ 239,575	EC	\$ 1,383,218	\$ 5,7736	\$ 2,0157	\$ 5,7736	\$ 2,4924
Banning	\$ 1,028,184	\$ -	\$ 139,457	EC	\$ 1,028,184	\$ 7,3728	\$ 2,0157	\$ 7,3728	\$ 2,4924
Pasadena	\$ 9,485,065	\$ -	\$ 1,239,884	EC	\$ 9,485,065	\$ 7,6500	\$ 2,0157	\$ 7,6500	\$ 2,4924
Riverside	\$ 16,268,161	\$ -	\$ 1,814,019	EC	\$ 16,268,161	\$ 8,9680	\$ 2,0157	\$ 8,9680	\$ 2,4924
Vernon	\$ 9,803,614	\$ -	\$ 1,210,668	EC	\$ 9,803,614	\$ 8,0977	\$ 2,0157	\$ 8,0977	\$ 2,4924
Trans-Elect	\$ -	\$ 34,971,034	\$ -	N	\$ 34,971,034	\$ -	\$ -	\$ -	\$ -
<b>ISO Total</b>	<b>\$ 352,547,294</b>	<b>\$ 93,123,594</b>	<b>\$ 195,361,801</b>		<b>\$ 445,670,888</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 (50%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (50%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (GWh)	TAC Area Rate (\$/MWh)	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11] = [10] x 50%	[12]	[13] = [11] / [12]	[14]	[15] = Total [2]	[16] = Total [3]	[17] = ([14] + [15]) / [16]	[18] = [14] / [16]	[19] = [13] + [17]	[20] = [15] / [16]
North	\$ 121,897,883	\$ 60,948,942	\$ 83,389,232	\$ 0.7309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,6332	\$ 0.4767
East/C	\$ 204,350,892	\$ 102,175,446	\$ 91,767,916	\$ 1.1134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,0157	\$ 0.4767
South	\$ 26,298,519	\$ 13,149,260	\$ 20,204,653	\$ 0.6508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,0298	\$ 0.4767
<b>Total</b>	<b>\$ 352,547,294</b>	<b>\$ 176,273,647</b>	<b>\$ 195,361,801</b>							<b>\$ 2,1099</b>	<b>\$ 0.4767</b>
<b>ISO-wide</b>	<b>\$ 176,273,647</b>	<b>\$ 93,123,594</b>	<b>\$ 195,361,801</b>		<b>\$ 1,3790</b>					<b>\$ 2,1099</b>	<b>\$ 0.4767</b>

## July 1, 2005 TAC Rate Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MISS 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	[23] = [4]	Filed Gross Load (MWH) [24]	EHV only TAC Rate (\$/MWH) [25]	Amount Paid Based on Filed Gross Load (\$) [26]	EHV Utility Specific Rate (\$/MWH) [27]	Would Have Paid w/ EHV Utility Specific Rate (\$) [28]	EHV Access Charge (Benefit)/Burden (\$) [29]
PGE	N	83,389,232	1.6332	136,190,488	1.4618	121,897,883	14,292,605
SCE	EC	84,358,000	2.0157	170,040,821	1.6837	142,035,479	28,005,342
SDGE	S	20,204,653	1.5531	31,379,783	1.3016	26,298,519	5,081,264
Anaheim	EC	2,766,313	2.0157	5,576,070	8.8013	24,347,171	(18,771,101)
Azusa	EC	239,575	2.0157	482,912	5.7736	1,383,218	(900,306)
Banning	EC	139,457	2.0157	281,104	7.3728	1,028,184	(747,080)
Pasadena	EC	1,239,884	2.0157	2,499,240	7.6500	9,485,065	(6,985,825)
Riverside	EC	1,814,019	2.0157	3,656,527	8.9680	16,268,161	(12,611,634)
Vernon	EC	1,210,668	2.0157	2,440,349	8.0977	9,803,614	(7,363,265)
<b>ISO Total</b>		<b>195,361,801</b>		<b>352,547,294</b>		<b>352,547,294</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.

EHV Access Charge (Benefit)/Burden (\$)	[30] = [29]	IOU Burden Annual Cap (\$)	[31]	IOUs' Cap Exceeds IOUs' Burden (\$)	[32]	Amount IOUs' Burden Exceeds IOUs' Cap (\$)	[33]	IOUs = [30] - [31] > 0 If no cap, then 0.	Munis w/ Benefit = [32] / total [32] x [30] / total [30]	Payments by Entities with Net Benefit (\$)	[34]	Mitigation Payments (\$)	[35]	Adjusted Net (Benefit) / Burden (\$)	[36]	Reallocation IOU Burden (\$)	[37]	Transition Charge (\$)	[38]	Adjusted Net (Benefit) / Burden (\$)	[39]	Transition Charge Rate (\$/MWh)	[40]
\$ 14,292,605		\$ 32,000,000		\$ 17,707,395		\$ 0		0	0	0	0	0	0	\$ 14,292,605		\$ 6,764,822		\$ 6,764,822		\$ 21,057,427		\$ 0.0811	
\$ 28,005,342		\$ 32,000,000		\$ 3,994,658		\$ 0		0	0	0	0	0	0	\$ 28,005,342		\$ (6,947,915)		\$ (6,947,915)		\$ 21,057,427		\$ (0.0824)	
\$ 5,081,264		\$ 8,000,000		\$ 2,918,736		\$ 0		0	0	0	0	0	0	\$ 5,081,264		\$ 183,093		\$ 183,093		\$ 5,264,357		\$ 0.0091	
\$ (18,771,101)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (18,771,101)		\$ 0		\$ 0		\$ (18,771,101)		\$ 0	
\$ (900,306)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (900,306)		\$ 0		\$ 0		\$ (900,306)		\$ 0	
\$ (747,080)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (747,080)		\$ 0		\$ 0		\$ (747,080)		\$ 0	
\$ (6,985,825)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (6,985,825)		\$ 0		\$ 0		\$ (6,985,825)		\$ 0	
\$ (12,611,634)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (12,611,634)		\$ 0		\$ 0		\$ (12,611,634)		\$ 0	
\$ (7,363,265)		\$ 0		\$ 0		\$ 0		0	0	0	0	0	0	\$ (7,363,265)		\$ 0		\$ 0		\$ (7,363,265)		\$ 0	
<b>Total</b>		<b>\$ 72,000,000</b>		<b>\$ 24,620,789</b>		<b>\$ 0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>	

**July 1, 2005 TAC Rate  
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]	ISO Wide Annual Gross Load (MWh) [42]	New HVTRR Rate (\$/MWh) [43]	New HVTRR Cost Responsibility (\$) [44]	NHVF Access Charge (Benefit)/Burden (\$) [45]	Total Access Charge (Benefit)/Burden (\$) [46]
			= [15] / [16]	= [42] * [43]	= [44] - [41]	= [45] + [39]
PGE	\$ 38,762,806	\$ 83,389,232	\$ 0.4767	\$ 39,749,352	\$ 986,546	\$ 22,043,973
SCE	\$ 5,902,735	\$ 84,358,000	\$ 0.4767	\$ 40,211,137	\$ 34,308,402	\$ 55,365,829
SDGE	\$ 13,487,019	\$ 20,204,653	\$ 0.4767	\$ 9,631,002	\$ (3,856,017)	\$ 1,408,340
Anaheim	\$ -	\$ 2,766,313	\$ 0.4767	\$ 1,318,625	\$ 1,318,625	\$ (17,452,476)
Azusa	\$ -	\$ 239,575	\$ 0.4767	\$ 114,199	\$ 114,199	\$ (786,107)
Banning	\$ -	\$ 139,457	\$ 0.4767	\$ 66,475	\$ 66,475	\$ (680,605)
Pasadena	\$ -	\$ 1,239,884	\$ 0.4767	\$ 591,019	\$ 591,019	\$ (6,394,806)
Riverside	\$ -	\$ 1,814,019	\$ 0.4767	\$ 864,693	\$ 864,693	\$ (11,746,941)
Vernon	\$ -	\$ 1,210,668	\$ 0.4767	\$ 577,092	\$ 577,092	\$ (6,786,173)
Trans-Elect	\$ 34,971,034	\$ 0	\$ 0.4767	\$ 0	\$ (34,971,034)	\$ (34,971,034)
<b>Total</b>	<b>\$ 93,123,594</b>	<b>\$ 195,361,801</b>		<b>\$ 93,123,594</b>	<b>\$ 0</b>	<b>\$ 0</b>



## ATTACHMENT D

**September 1, 2005 TAC Rate**  
Based on Filed Annual TRR/TRBA and Load Data

**Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)**

**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] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [5]	[8] = [5] / [3]	[9] = [9] = [9]
PGE	\$ 121,897,883	\$ 38,762,806	\$ 83,389,232	N	\$ 160,660,689	\$ 1,4618	\$ 1,6251	\$ 1,9266	\$ 2,1447
SCE	\$ 142,035,479	\$ 5,902,735	\$ 84,356,000	EC	\$ 147,938,214	\$ 1,6837	\$ 2,0076	\$ 1,7537	\$ 2,5272
SDGE	\$ 23,587,282	\$ 22,007,571	\$ 20,463,484	S	\$ 45,594,853	\$ 1,1527	\$ 1,4705	\$ 2,2281	\$ 1,9901
Anaheim	\$ 24,347,171	\$ -	\$ 2,766,313	EC	\$ 24,347,171	\$ 8,8013	\$ 2,0076	\$ 8,8013	\$ 2,5272
Azusa	\$ 1,383,218	\$ -	\$ 239,575	EC	\$ 1,383,218	\$ 5,7736	\$ 2,0076	\$ 5,7736	\$ 2,5272
Banning	\$ 1,028,184	\$ -	\$ 139,457	EC	\$ 1,028,184	\$ 7,3728	\$ 2,0076	\$ 7,3728	\$ 2,5272
Pasadena	\$ 9,485,065	\$ -	\$ 1,239,884	EC	\$ 9,485,065	\$ 7,6500	\$ 2,0076	\$ 7,6500	\$ 2,5272
Riverside	\$ 16,268,161	\$ -	\$ 1,814,019	EC	\$ 16,268,161	\$ 8,9680	\$ 2,0076	\$ 8,9680	\$ 2,5272
Vernon	\$ 9,803,614	\$ -	\$ 1,210,668	EC	\$ 9,803,614	\$ 8,0977	\$ 2,0076	\$ 8,0977	\$ 2,5272
Trans-Elect	\$ -	\$ 34,971,034	\$ -	N	\$ 34,971,034	\$ -	\$ -	\$ -	\$ -
<b>ISO Total</b>	<b>\$ 349,836,057</b>	<b>\$ 101,644,146</b>	<b>\$ 195,620,632</b>		<b>\$ 451,480,203</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 (50%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (50%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (GWh)	TAC Area Rate (\$/MWh)	ISO Wide Annual Gross Load (GWh)	ISO Wide Annual TRR HV Facilities (\$)	ISO Wide TRR HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide Rate (\$/MWh)	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11]	[12]	[13] = [11] / [12]	[14]	[15]	[16]	[17]	[18]	[19]	[20]
North	\$ 121,897,883	\$ 60,948,942	\$ 83,389,232	\$ 0,7309	\$ 83,389,232	\$ 1,134	\$ 1,134	\$ 83,389,232	\$ 0,5763	\$ 1,6251	\$ 0,5196
East/C	\$ 204,350,892	\$ 102,175,446	\$ 91,767,916	\$ 1,1134	\$ 91,767,916	\$ 1,134	\$ 1,134	\$ 91,767,916	\$ 1,134	\$ 2,0076	\$ 0,5196
South	\$ 23,587,282	\$ 11,793,641	\$ 20,463,484	\$ 0,5763	\$ 20,463,484	\$ 0,5763	\$ 0,5763	\$ 20,463,484	\$ 0,5763	\$ 1,4705	\$ 0,5196
<b>Total</b>	<b>\$ 349,836,057</b>	<b>\$ 174,918,029</b>	<b>\$ 195,620,632</b>		<b>\$ 195,620,632</b>			<b>\$ 195,620,632</b>		<b>\$ 1,9901</b>	<b>\$ 1,4705</b>

	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	North	East/Central	South
	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]
<b>ISO-wide</b>	<b>\$ 174,918,029</b>	<b>\$ 101,644,146</b>	<b>\$ 195,620,632</b>	<b>\$ 1,4138</b>	<b>\$ 0,8942</b>	<b>\$ 2,1447</b>	<b>\$ 2,5272</b>	<b>\$ 1,9901</b>

# September 1, 2005 TAC Rate

## 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]	EHVF only TAC Rate (\$/MWh) [25]	Amount Paid Based on Filed Gross Load (\$) [26]	EHVF only Utility Specific Rate (\$/MWh) [27]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [28]	EHVF Access Charge (Benefit)/Burden (\$) [29]
[23]	[24]	[25]	[26]	[27]	[28]	[29]
[4]	[3]	[7]	[24] x [25]	[6]	[24] x [27]	[26] - [28]
PGE	83,389,232	1.6251	135,513,060	1.4618	121,897,883	13,615,177
SCE	84,358,000	2.0076	169,355,523	1.6837	142,035,479	27,320,044
SDGE	20,463,484	1.4705	30,091,467	1.1527	23,587,282	6,504,185
Anaheim	2,766,313	2.0076	5,553,598	8.8013	24,347,171	(18,793,574)
Azusa	239,575	2.0076	480,966	5.7736	1,383,218	(902,252)
Banning	139,457	2.0076	279,971	7.3728	1,028,184	(748,213)
Pasadena	1,239,884	2.0076	2,489,168	7.6500	9,485,065	(6,995,897)
Riverside	1,814,019	2.0076	3,641,790	8.9680	16,268,161	(12,626,371)
Vernon	1,210,668	2.0076	2,430,514	8.0977	9,803,614	(7,373,100)
<b>ISO Total</b>	<b>195,620,632</b>		<b>349,836,057</b>		<b>349,836,057</b>	<b>0</b>

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

\$32/328 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 (\$)	IOUs' Cap Exceeds IOUs' Burden Exceeds IOU's Cap (\$)	Amount IOUs' 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]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]
[29]	[31]	IF [31] - [30] > 0 = [31] - [30]. If no cap, then 0.	IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	([32] / total[32]) x total[33]	[34] - [35]	[30] + [35]	Reallocate IOU Burden [37] so it is proportional to IOU Cap [31] = [39] - [36]	[35] + [37]	[36] + [37]	[38] / [24]
PGE	13,615,177	18,384,823	0	0	0	13,615,177	7,469,003	7,469,003	21,084,181	0.0896
SCE	27,320,044	4,679,956	0	0	0	27,320,044	(6,235,863)	(6,235,863)	21,084,181	(0.0739)
SDGE	6,504,185	1,495,815	0	0	0	6,504,185	(1,233,140)	(1,233,140)	5,271,045	(0.0603)
Anaheim	(18,793,574)	0	0	0	0	(18,793,574)	0	0	(18,793,574)	0
Azusa	(902,252)	0	0	0	0	(902,252)	0	0	(902,252)	0
Banning	(748,213)	0	0	0	0	(748,213)	0	0	(748,213)	0
Pasadena	(6,995,897)	0	0	0	0	(6,995,897)	0	0	(6,995,897)	0
Riverside	(12,626,371)	0	0	0	0	(12,626,371)	0	0	(12,626,371)	0
Vernon	(7,373,100)	0	0	0	0	(7,373,100)	0	0	(7,373,100)	0
<b>Total</b>	<b>0</b>	<b>24,560,594</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**September 1, 2005 TAC Rate**  
**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	\$ 38,762,806	83,389,232	\$ 0.5196	\$ 43,328,902	\$ 4,566,096	\$ 25,650,277
SCE	\$ 5,902,735	84,358,000	\$ 0.5196	\$ 43,832,273	\$ 37,929,538	\$ 59,013,718
SDGE	\$ 22,007,571	20,463,484	\$ 0.5196	\$ 10,632,791	\$ (11,374,780)	\$ (6,103,735)
Anaheim	\$ -	2,766,313	\$ 0.5196	\$ 1,437,372	\$ 1,437,372	\$ (17,356,202)
Azusa	\$ -	239,575	\$ 0.5196	\$ 124,483	\$ 124,483	\$ (777,769)
Banning	\$ -	139,457	\$ 0.5196	\$ 72,462	\$ 72,462	\$ (675,751)
Pasadena	\$ -	1,239,884	\$ 0.5196	\$ 644,242	\$ 644,242	\$ (6,351,656)
Riverside	\$ -	1,814,019	\$ 0.5196	\$ 942,561	\$ 942,561	\$ (11,683,810)
Vernon	\$ -	1,210,668	\$ 0.5196	\$ 629,061	\$ 629,061	\$ (6,744,039)
Trans-Elect	\$ 34,971,034	0	\$ 0.5196	\$ 0	\$ (34,971,034)	\$ (34,971,034)
<b>Total</b>	<b>\$ 101,644,146</b>	<b>195,620,632</b>		<b>\$ 101,644,146</b>	<b>\$ 0</b>	<b>\$ 0</b>

## ATTACHMENT E

**January 1, 2006 TAC Rates**  
Based on Filed Annual TRR/TRBA and Load Data

**Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)**

**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]					= [1] / [3]		= [5] / [3]		= [9] / [5]	
PGE	\$ 144,220,161	\$ 45,889,444	83,389,232	N	\$ 190,109,605	1,7295	1,7859	2,2798	2,3079		
SCE	\$ 114,372,109	\$ 4,753,096	84,358,000	EC	\$ 119,125,205	1,3558	1,8651	1,4121	2,3871		
SDGE	\$ 35,614,443	\$ 21,641,055	20,463,484	S	\$ 57,255,498	1,7404	1,7903	2,7979	2,3122		
Anaheim	\$ 24,270,216	\$ -	2,766,313	EC	\$ 24,270,216	8,7735	1,8651	8,7735	2,3871		
Azusa	\$ 1,260,706	\$ -	239,575	EC	\$ 1,260,706	5,2623	1,8651	5,2623	2,3871		
Banning	\$ 1,020,350	\$ -	139,457	EC	\$ 1,020,350	7,3166	1,8651	7,3166	2,3871		
Pasadena	\$ 10,299,127	\$ -	1,239,884	EC	\$ 10,299,127	8,3065	1,8651	8,3065	2,3871		
Riverside	\$ 15,619,020	\$ -	1,814,019	EC	\$ 15,619,020	8,6102	1,8651	8,6102	2,3871		
Vernon	\$ 10,037,786	\$ -	1,210,668	EC	\$ 10,037,786	8,2911	1,8651	8,2911	2,3871		
Trans-Elect	\$ -	\$ 29,824,763	-	N	\$ 29,824,763	-	-	-	2,3079		
<b>ISO Total</b>	<b>\$ 356,713,918</b>	<b>\$ 102,108,358</b>	<b>195,620,632</b>		<b>\$ 458,822,276</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 (40%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (60%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (GWh)	TAC Area Rate (\$/MWh)	EHVF only Utility Specific Rate (\$/MWh)	EHVF only TAC Area Rate (\$/MWh)	HV Utility Specific Rate (\$/MWh)	TAC Area Rate (\$/MWh)	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)																																				
	[10]	[11]	[12]	[13]	[6]	[7]	[8]	[9]	[13] + [17]	[15] / [16]																																				
	= [10] x 40%		= [11] / [12]		= [1] / [3]		= [5] / [3]		= [13] + [17] = [19]																																					
North	\$ 144,220,161	\$ 57,688,064	83,389,232	\$ 0.6918	1,7295	1,7859	2,2798	2,3079	1,7859	\$ 0.5220																																				
East/C	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 0.7710	1,3558	1,8651	1,4121	2,3871	1,8651	\$ 0.5220																																				
South	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 0.6962	1,7404	1,7903	2,7979	2,3122	1,8651	\$ 0.5220																																				
<b>Total</b>	<b>\$ 356,713,918</b>	<b>\$ 142,685,567</b>	<b>195,620,632</b>																																											
<table border="0" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%;"><b>ISO Wide TRR Existing HV Facilities (\$)</b></td> <td style="width: 15%;"><b>ISO Wide TRR New HV Facilities (\$)</b></td> <td style="width: 15%;"><b>ISO Wide Annual Gross Load (GWh)</b></td> <td style="width: 15%;"><b>ISO Wide Rate (\$/MWh)</b></td> <td style="width: 10%;"><b>EHVF only ISO-Wide Rate (\$/MWh)</b></td> <td style="width: 10%;"><b>North</b></td> <td style="width: 10%;"><b>East/Central</b></td> <td style="width: 10%;"><b>South</b></td> </tr> <tr> <td></td> <td>[14]</td> <td>[15]</td> <td>[16]</td> <td>[17]</td> <td>[18]</td> <td>\$ 2,3079</td> <td>\$ 2,3871</td> <td>\$ 2,3122</td> </tr> <tr> <td></td> <td colspan="3">Total ([10] x 60%) = Total [2]</td> <td>195,620,632</td> <td>1,6161</td> <td>\$</td> <td>\$</td> <td>\$</td> </tr> <tr> <td></td> <td><b>\$ 214,028,351</b></td> <td><b>\$ 102,108,358</b></td> <td><b>\$ 195,620,632</b></td> <td><b>\$ 1,6161</b></td> <td><b>\$ 1,0941</b></td> <td></td> <td></td> <td></td> </tr> </table>												<b>ISO Wide TRR Existing HV Facilities (\$)</b>	<b>ISO Wide TRR New HV Facilities (\$)</b>	<b>ISO Wide Annual Gross Load (GWh)</b>	<b>ISO Wide Rate (\$/MWh)</b>	<b>EHVF only ISO-Wide Rate (\$/MWh)</b>	<b>North</b>	<b>East/Central</b>	<b>South</b>		[14]	[15]	[16]	[17]	[18]	\$ 2,3079	\$ 2,3871	\$ 2,3122		Total ([10] x 60%) = Total [2]			195,620,632	1,6161	\$	\$	\$		<b>\$ 214,028,351</b>	<b>\$ 102,108,358</b>	<b>\$ 195,620,632</b>	<b>\$ 1,6161</b>	<b>\$ 1,0941</b>			
	<b>ISO Wide TRR Existing HV Facilities (\$)</b>	<b>ISO Wide TRR New HV Facilities (\$)</b>	<b>ISO Wide Annual Gross Load (GWh)</b>	<b>ISO Wide Rate (\$/MWh)</b>	<b>EHVF only ISO-Wide Rate (\$/MWh)</b>	<b>North</b>	<b>East/Central</b>	<b>South</b>																																						
	[14]	[15]	[16]	[17]	[18]	\$ 2,3079	\$ 2,3871	\$ 2,3122																																						
	Total ([10] x 60%) = Total [2]			195,620,632	1,6161	\$	\$	\$																																						
	<b>\$ 214,028,351</b>	<b>\$ 102,108,358</b>	<b>\$ 195,620,632</b>	<b>\$ 1,6161</b>	<b>\$ 1,0941</b>																																									

# January 1, 2006 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	EHVF only TAC Rate (\$/MWh) [25] = [7]	Amount Paid Based on Filed Gross Load (\$) [26] = [24] x [25]	EHVF 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	1.7859	148,924,145	1.7295	144,220,161	4,703,984
SCE	1.8651	157,334,798	1.3558	114,372,109	42,962,689
SDGE	1.7903	36,634,856	1.7404	35,614,443	1,020,413
Anaheim	1.8651	5,159,407	8.7735	24,270,216	(19,110,808)
Azusa	1.8651	446,828	5.2623	1,260,706	(813,879)
Banning	1.8651	260,099	7.3166	1,020,350	(760,251)
Pasadena	1.8651	2,312,488	8.3065	10,299,127	(7,986,639)
Riverside	1.8651	3,383,299	8.6102	15,619,020	(12,235,721)
Vernon	1.8651	2,257,998	8.2911	10,037,786	(7,779,788)
<b>ISO Total</b>		<b>356,713,918</b>		<b>356,713,918</b>	<b>(0)</b>

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

\$32/328 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 (\$)	IOUs' Cap Exceeds IOUs' Burden (\$)	Amount IOUs' Burden Exceeds IOUs' 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]	IF [31] - [30] > 0, = [31] - [30], if no cap, then 0.	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]
\$ 4,703,984	\$ 32,000,000	\$ 27,296,016	\$ 0	\$ 8,730,342	\$ 8,730,342	\$ 13,434,326	\$ 8,204,379	\$ 16,934,720	\$ 21,638,705	\$ 0.2031
\$ 42,962,689	\$ 32,000,000	\$ 0	\$ 10,962,689	\$ 0	\$ (10,962,689)	\$ 32,000,000	\$ (10,361,295)	\$ (21,323,984)	\$ 21,638,705	\$ (0.2528)
\$ 1,020,413	\$ 8,000,000	\$ 6,979,587	\$ 0	\$ 2,232,347	\$ 2,232,347	\$ 3,252,760	\$ 2,156,916	\$ 4,389,263	\$ 5,409,676	\$ 0.2145
\$ (813,879)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (19,110,808)	\$ 0	\$ 0	\$ (19,110,808)	\$ 0
\$ (760,251)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (760,251)	\$ 0	\$ 0	\$ (760,251)	\$ 0
\$ (7,986,639)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,986,639)	\$ 0	\$ 0	\$ (7,986,639)	\$ 0
\$ (12,235,721)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,235,721)	\$ 0	\$ 0	\$ (12,235,721)	\$ 0
\$ (7,779,788)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,779,788)	\$ 0	\$ 0	\$ (7,779,788)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 34,275,603</b>	<b>\$ 10,962,689</b>	<b>\$ 10,962,689</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

# January 1, 2006 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	\$ 45,889,444	83,389,232 \$	0.5220 \$	43,526,787 \$	(2,362,657) \$	19,276,048 \$
SCE	\$ 4,753,096	84,358,000 \$	0.5220 \$	44,032,456 \$	39,279,360 \$	60,918,065 \$
SDGE	\$ 21,641,055	20,463,484 \$	0.5220 \$	10,681,352 \$	(10,959,703) \$	(5,550,027) \$
Anaheim	\$ -	2,766,313 \$	0.5220 \$	1,443,936 \$	1,443,936 \$	(17,666,872) \$
Azusa	\$ -	239,575 \$	0.5220 \$	125,051 \$	125,051 \$	(688,827) \$
Banning	\$ -	139,457 \$	0.5220 \$	72,793 \$	72,793 \$	(687,459) \$
Pasadena	\$ -	1,239,884 \$	0.5220 \$	647,184 \$	647,184 \$	(7,339,455) \$
Riverside	\$ -	1,814,019 \$	0.5220 \$	946,866 \$	946,866 \$	(11,288,855) \$
Vernon	\$ -	1,210,668 \$	0.5220 \$	631,934 \$	631,934 \$	(7,147,854) \$
Trans-Elect	\$ 29,824,763	0 \$	0.5220 \$	0 \$	(29,824,763) \$	(29,824,763) \$
<b>Total</b>	<b>\$ 102,108,358</b>	<b>195,620,632</b>		<b>\$ 102,108,358</b>	<b>\$ 0</b>	<b>\$ 0</b>



## ATTACHMENT F

# March 1, 2006 TAC Rates

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

### Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$)	Filed Annual TRR New HV Facilities (\$)	Filed Annual Gross Load (MWh)	TAC Area Rate (\$/MWH)	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] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [4]	[8] = [5] / [3]	[9] = [19]
PGE	\$ 141,645,869	\$ 120,632,364	89,121,865	N	\$ 262,278,233	1.5894	1.6910	2.9429	2.5693
SCE	\$ 114,372,109	\$ 4,753,096	84,358,000	EC	\$ 119,125,205	1.3558	1.8263	1.4121	2.7046
SDGE	\$ 35,614,443	\$ 21,641,055	20,463,484	S	\$ 57,255,498	1.7404	1.7514	2.7979	2.6297
Anaheim	\$ 24,270,216	\$ -	2,766,313	EC	\$ 24,270,216	8.7735	1.8263	8.7735	2.7046
Azusa	\$ 1,260,706	\$ -	239,575	EC	\$ 1,260,706	5.2623	1.8263	5.2623	2.7046
Banning	\$ 1,020,350	\$ -	139,457	EC	\$ 1,020,350	7.3166	1.8263	7.3166	2.7046
Pasadena	\$ 10,299,127	\$ -	1,239,884	EC	\$ 10,299,127	8.3065	1.8263	8.3065	2.7046
Riverside	\$ 15,619,020	\$ -	1,814,019	EC	\$ 15,619,020	8.6102	1.8263	8.6102	2.7046
Vernon	\$ 10,037,786	\$ -	1,210,668	EC	\$ 10,037,786	8.2911	1.8263	8.2911	2.7046
Trans-Elect	\$ -	\$ 29,824,763	-	N	\$ 29,824,763	-	-	-	2.5693
<b>ISO Total</b>	<b>\$ 354,139,626</b>	<b>\$ 176,851,278</b>	<b>201,353,265</b>		<b>\$ 530,990,904</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 (40%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (60%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWH)	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (GWh)	ISO Wide Annual Gross Load (GWh)	ISO Wide TRR New HV Facilities (\$)	ISO Wide TRR HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide TRR New HV Facilities (\$)	ISO Wide TRR HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)	ISO Wide TRR New HV Facilities (\$)	ISO Wide TRR HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (GWh)
	[10]	[11]	[12]	[13]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]
North	\$ 141,645,869	\$ 56,658,348	89,121,865	0.6357	\$ 141,645,869	\$ 56,658,348	89,121,865	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865
East/C	\$ 176,879,314	\$ 70,751,726	91,767,916	0.7710	\$ 176,879,314	\$ 70,751,726	91,767,916	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916
South	\$ 35,614,443	\$ 14,245,777	20,463,484	0.6962	\$ 35,614,443	\$ 14,245,777	20,463,484	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484
<b>Total</b>	<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>	
North	\$ 141,645,869	\$ 56,658,348	89,121,865	0.6357	\$ 141,645,869	\$ 56,658,348	89,121,865	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 141,645,869	\$ 56,658,348	89,121,865
East/C	\$ 176,879,314	\$ 70,751,726	91,767,916	0.7710	\$ 176,879,314	\$ 70,751,726	91,767,916	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916	\$ 176,879,314	\$ 70,751,726	91,767,916
South	\$ 35,614,443	\$ 14,245,777	20,463,484	0.6962	\$ 35,614,443	\$ 14,245,777	20,463,484	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484	\$ 35,614,443	\$ 14,245,777	20,463,484
<b>Total</b>	<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>		<b>\$ 354,139,626</b>	<b>\$ 141,655,850</b>	<b>201,353,265</b>	
ISO-wide	\$ 212,483,776	\$ 176,851,278	201,353,265	0.8736	\$ 212,483,776	\$ 176,851,278	201,353,265	201,353,265	\$ 212,483,776	\$ 176,851,278	201,353,265	\$ 212,483,776	\$ 176,851,278	201,353,265	\$ 212,483,776	\$ 176,851,278	201,353,265	\$ 212,483,776	\$ 176,851,278	201,353,265

## March 1, 2006 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) [23] = [4]	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	89,121,865	1.6910	150,706,738	1.5894	141,645,869	9,060,869
SCE	84,358,000	1.8263	154,059,974	1.3558	114,372,109	39,687,865
SDGE	20,463,484	1.7514	35,840,452	1.7404	35,614,443	226,009
Anaheim	2,766,313	1.8263	5,052,018	8.7735	24,270,216	(19,218,198)
Azusa	239,575	1.8263	437,527	5.2623	1,260,706	(823,179)
Banning	139,457	1.8263	254,685	7.3166	1,020,350	(765,665)
Pasadena	1,239,884	1.8263	2,264,355	8.3065	10,299,127	(8,034,772)
Riverside	1,814,019	1.8263	3,312,877	8.6102	15,619,020	(12,306,143)
Vernon	1,210,668	1.8263	2,210,999	8.2911	10,037,786	(7,826,787)
<b>ISO Total</b>	<b>201,353,265</b>		<b>354,139,626</b>		<b>354,139,626</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]	IOUs' Cap Exceeds IOUs' Burden Exceeds IOUs' Cap	Amount IOUs' Burden Exceeds IOUs' Cap	IOUs' Burden Exceeds IOUs' Cap	IOUs = [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]
\$ 9,060,869	\$ 32,000,000	\$ 22,939,131	\$ 0	\$ 7,687,865	\$ 5,741,941	\$ 5,741,941	\$ 5,741,941	\$ 14,802,810	\$ 6,963,743	\$ 12,705,684	\$ 21,766,552	\$ 0.1426
\$ 39,687,865	\$ 32,000,000	\$ 0	\$ 7,687,865	\$ 0	\$ 0	\$ 0	\$ (7,687,865)	\$ 32,000,000	\$ (10,233,448)	\$ (17,921,313)	\$ 21,766,552	\$ (0.2124)
\$ 226,009	\$ 8,000,000	\$ 7,773,991	\$ 0	\$ 0	\$ 1,945,924	\$ 1,945,924	\$ 1,945,924	\$ 2,171,933	\$ 3,269,705	\$ 5,215,629	\$ 5,441,638	\$ 0.2549
\$ (19,218,198)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (19,218,198)	\$ 0	\$ 0	\$ (19,218,198)	\$ 0
\$ (823,179)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (823,179)	\$ 0	\$ 0	\$ (823,179)	\$ 0
\$ (765,665)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (765,665)	\$ 0	\$ 0	\$ (765,665)	\$ 0
\$ (8,034,772)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (8,034,772)	\$ 0	\$ 0	\$ (8,034,772)	\$ 0
\$ (12,306,143)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,306,143)	\$ 0	\$ 0	\$ (12,306,143)	\$ 0
\$ (7,826,787)	\$ 0	\$ 0	\$ 0	\$ 7,687,865	\$ 7,687,865	\$ 7,687,865	\$ 0	\$ (7,826,787)	\$ 0	\$ 0	\$ (7,826,787)	\$ 0
<b>Total</b>	<b>0</b>	<b>30,713,122</b>	<b>30,713,122</b>	<b>7,687,865</b>	<b>7,687,865</b>	<b>7,687,865</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**March 1, 2006 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	\$ 120,632,364	89,121,865	0.8783	\$ 78,276,931	\$ (42,355,433)	\$ (20,588,880)
SCE	\$ 4,753,096	84,358,000	0.8783	\$ 74,092,765	\$ 69,339,669	\$ 91,106,221
SDGE	\$ 21,641,055	20,463,484	0.8783	\$ 17,973,353	\$ (3,667,702)	\$ 1,773,936
Anaheim	\$ -	2,766,313	0.8783	\$ 2,429,690	\$ 2,429,690	\$ (16,788,508)
Azusa	\$ -	239,575	0.8783	\$ 210,422	\$ 210,422	\$ (612,757)
Banning	\$ -	139,457	0.8783	\$ 122,487	\$ 122,487	\$ (643,178)
Pasadena	\$ -	1,239,884	0.8783	\$ 1,089,007	\$ 1,089,007	\$ (6,945,765)
Riverside	\$ -	1,814,019	0.8783	\$ 1,593,277	\$ 1,593,277	\$ (10,712,865)
Vernon	\$ -	1,210,668	0.8783	\$ 1,063,346	\$ 1,063,346	\$ (6,763,441)
Trans-Elect	\$ 29,824,763	0	0.8783	\$ 0	\$ (29,824,763)	\$ (29,824,763)
<b>Total</b>	<b>\$ 176,851,278</b>	<b>201,353,265</b>	<b>0.8783</b>	<b>\$ 176,851,278</b>	<b>\$ 0</b>	<b>\$ 0</b>

## ATTACHMENT G

## June 4, 2006 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

### Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

**TAC Components:**

	Filed Annual TRR Existing HV Facilities (\$)	Filed Annual TRR New HV Facilities (\$)	Filed Annual Gross Load (MWh)	TAC Area	Total Filed TRR (\$)	EHFV only Utility Specific Rate (\$/MWh)	EHFV only TAC Area Rate (\$/MWh)	HV Utility Specific Rate (\$/MWh)	TAC Area Rate (\$/MWh)
	[1]	[2]	[3]	[4]	[5] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [3]	[8] = [5] / [3]	[9] = [19]
PGE	\$ 141,645,869	\$ 120,632,364	89,121,865	N	\$ 262,278,233	1,5894	1,6771	2,9429	2,8118
SCE	\$ 117,999,680	\$ 62,710,146	91,670,569	EC	\$ 180,709,826	1,2872	1,7700	1,9713	2,9047
SDGE	\$ 39,990,758	\$ 23,606,498	20,463,484	S	\$ 63,597,256	1,9542	1,8230	3,1078	2,9577
Anaheim	\$ 24,270,216	\$ -	2,766,313	EC	\$ 24,270,216	8,7735	1,7700	8,7735	2,9047
Azusa	\$ 1,260,706	\$ -	239,575	EC	\$ 1,260,706	5,2623	1,7700	5,2623	2,9047
Banning	\$ 1,020,350	\$ -	139,457	EC	\$ 1,020,350	7,3166	1,7700	7,3166	2,9047
Pasadena	\$ 10,299,127	\$ -	1,239,884	EC	\$ 10,299,127	8,3065	1,7700	8,3065	2,9047
Riverside	\$ 15,619,020	\$ -	1,814,019	EC	\$ 15,619,020	8,6102	1,7700	8,6102	2,9047
Vernon	\$ 10,037,786	\$ -	1,210,668	EC	\$ 10,037,786	8,2911	1,7700	8,2911	2,9047
Trans-Elect	\$ -	\$ 29,824,763	-	N	\$ 29,824,763	-	-	-	2,8118
<b>ISO Total</b>	<b>\$ 362,143,512</b>	<b>\$ 236,773,771</b>	<b>208,665,834</b>		<b>\$ 598,917,283</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 (40%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (60%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWh)	EHFV only Utility Specific Rate (\$/MWh)	EHFV only TAC Area Rate (\$/MWh)	HV Utility Specific Rate (\$/MWh)	TAC Area Rate (\$/MWh)	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh)	Existing HV Facilities (EHFV) only TAC Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11]	[12]	[13]	[6]	[7]	[8]	[19]	[20]	[21]	[22]
North	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 0.6357	1,5894	1,6771	2,9429	2,8118	2,8118	1,6771	1,1347
East/C	\$ 180,506,885	\$ 72,202,754	99,080,485	\$ 0.7287	1,2872	1,7700	1,9713	2,9047	2,9047	1,7700	1,1347
South	\$ 39,990,758	\$ 15,996,303	20,463,484	\$ 0.7817	1,9542	1,8230	3,1078	2,9577	2,9577	1,8230	1,1347
<b>Total</b>	<b>\$ 362,143,512</b>	<b>\$ 144,857,405</b>	<b>208,665,834</b>								
ISO Wide TRR Existing HV Facilities (\$)			ISO Wide Annual Gross Load (MWh)	ISO Wide Rate (\$/MWh)	EHFV only ISO-Wide Rate (\$/MWh)	North	East/Central	South			
						2,8118	2,9047	2,9577			

[14] Total ([10]) x 60%	[15] Total [2]	[16] Total [3]	[17] = ([14] + [15]) / [16]	[18] = [14] / [16]
\$ 217,286,107	\$ 236,773,771	208,665,834	2,1760	1,0413

## June 4, 2006 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

**STEP 2: Calculate the HV Access Charge the UDC/MISS 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	[23] [14]	Filed Gross Load (MWH) [24]	[3]	EHVF only TAC Rate (\$/MWH) [25]	[7]	Amount Paid Based on Filed Gross Load (\$) [26]	EHVF Utility Specific Rate (\$/MWH) [27]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [28]	EHVF Access Charge (Benefit)/Burden (\$) [29]
PGE	N	89,121,865		1.6771		149,461,960	1.5894	141,645,869	7,816,091
SCE	EC	91,670,569		1.7700		162,260,545	1.2872	117,999,680	44,260,865
SDGE	S	20,463,484		1.8230		37,305,162	1.9542	39,990,758	(2,685,596)
Anaheim	EC	2,766,313		1.7700		4,896,484	8.7735	24,270,216	(19,373,732)
Azusa	EC	239,575		1.7700		424,057	5.2623	1,260,706	(836,649)
Banning	EC	139,457		1.7700		246,844	7.3166	1,020,350	(773,506)
Pasadena	EC	1,239,884		1.7700		2,194,644	8.3065	10,299,127	(8,104,483)
Riverside	EC	1,814,019		1.7700		3,210,886	8.6102	15,619,020	(12,408,134)
Vernon	EC	1,210,668		1.7700		2,142,930	8.2911	10,037,786	(7,894,856)
<b>ISO Total</b>		<b>208,665,834</b>				<b>362,143,512</b>		<b>362,143,512</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]	IOUs' Cap Exceeds IOUs' Burden (\$)	[32]	IOUs' Burden Exceeds IOUs' Cap (\$)	[33]	Amount IOUs' Burden Exceeds IOUs' Cap (\$)	[34]	IOUs = [30] - [31] > 0 If no cap, then 0.	Payments by Entities with Net Benefit (\$)	[34]	Mitigation Payments (\$)	[35]	Adjusted Net (Benefit) / Burden (\$)	[36]	Reallocation IOU Burden (\$)	[37]	Transition Charge (\$)	[38]	Adjusted Net (Benefit) / Burden (\$)	[39]	Transition Charge Rate (\$/MWh)	[40]
PGE	\$ 7,816,091		\$ 32,000,000		\$ 24,183,909		\$ 0		\$ 8,503,581		\$ 8,503,581		\$ 8,503,581		\$ 16,319,671		\$ 5,632,044		\$ 14,135,625		\$ 21,951,715		\$ 0.1586		
SCE	\$ 44,260,865		\$ 32,000,000		\$ 0		\$ 12,260,865		\$ 0		\$ 12,260,865		\$ (12,260,865)		\$ 32,000,000		\$ (10,048,285)		\$ (22,309,150)		\$ 21,951,715		\$ (0.2434)		
SDGE	\$ (2,685,596)		\$ 8,000,000		\$ 10,685,596		\$ 0		\$ 3,757,285		\$ 3,757,285		\$ 3,757,285		\$ 1,071,688		\$ 4,416,240		\$ 8,173,525		\$ 5,487,929		\$ 0.3994		
Anaheim	\$ (836,649)		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ (19,373,732)		\$ 0		\$ 0		\$ (19,373,732)		\$ 0		
Azusa	\$ (773,506)		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ (836,649)		\$ 0		\$ 0		\$ (836,649)		\$ 0		
Banning	\$ (8,104,483)		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ (773,506)		\$ 0		\$ 0		\$ (773,506)		\$ 0		
Pasadena	\$ (12,408,134)		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ (8,104,483)		\$ 0		\$ 0		\$ (8,104,483)		\$ 0		
Riverside	\$ (7,894,856)		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ 0		\$ (12,408,134)		\$ 0		\$ 0		\$ (12,408,134)		\$ 0		
<b>Total</b>	<b>\$ 0</b>		<b>\$ 72,000,000</b>		<b>\$ 34,869,505</b>		<b>\$ 12,260,865</b>		<b>\$ 12,260,865</b>		<b>\$ (0)</b>		<b>\$ (0)</b>		<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>		<b>\$ 0</b>		

**June 4, 2006 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]	ISO Wide Annual Gross Load (MWh) [42]	New HVTRR Rate (\$/MWh) [43]	New HVTRR Cost Responsibility (\$) [44]	NHVF Access Charge (Benefit)/Burden (\$) [45]	Total Access Charge (Benefit)/Burden (\$) [46]
	= [2]	= [3]	= ([15]) / [16]	= ([42]) * [43]	= ([44]) - [41]	= ([45]) + [39]
PGE	\$ 120,632,364	89,121,865	\$ 1.1347	\$ 101,126,857	\$ (19,505,507)	\$ 2,446,209
SCE	\$ 62,710,146	91,670,569	\$ 1.1347	\$ 104,018,880	\$ 41,308,734	\$ 63,260,449
SDGE	\$ 23,606,498	20,463,484	\$ 1.1347	\$ 23,219,979	\$ (386,519)	\$ 5,101,410
Anaheim	\$ -	2,766,313	\$ 1.1347	\$ 3,138,944	\$ 3,138,944	\$ (16,234,788)
Azusa	\$ -	239,575	\$ 1.1347	\$ 271,846	\$ 271,846	\$ (564,802)
Banning	\$ -	139,457	\$ 1.1347	\$ 158,242	\$ 158,242	\$ (615,264)
Pasadena	\$ -	1,239,884	\$ 1.1347	\$ 1,406,900	\$ 1,406,900	\$ (6,697,583)
Riverside	\$ -	1,814,019	\$ 1.1347	\$ 2,058,373	\$ 2,058,373	\$ (10,349,761)
Vernon	\$ -	1,210,668	\$ 1.1347	\$ 1,373,749	\$ 1,373,749	\$ (6,521,107)
Trans-Elect	\$ 29,824,763	0	\$ 1.1347	\$ 0	\$ (29,824,763)	\$ (29,824,763)
<b>Total</b>	<b>\$ 236,773,771</b>	<b>208,665,834</b>		<b>\$ 236,773,771</b>	<b>\$ 0</b>	<b>\$ 0</b>



## ATTACHMENT H

September 1, 2006 TAC Rates  
Based on Filed Annual TRR/TRBA and Load Data

Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

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]	= [1] / [3]	= [2] / [3]	= [5] / [3]	= [9] / [3]
PGE	\$ 141,645,869	\$ 120,632,364	89,121,865	N	\$ 262,278,233	\$ 1,5894	\$ 1,6779	\$ 2,9429	\$ 2,9000
SCE	\$ 117,999,680	\$ 62,710,146	91,670,569	EC	\$ 180,709,826	\$ 1,2872	\$ 1,7708	\$ 1,9713	\$ 2,9930
SDGE	\$ 41,054,790	\$ 42,406,414	20,915,303	S	\$ 83,461,204	\$ 1,9629	\$ 1,8273	\$ 3,9904	\$ 3,0494
Anaheim	\$ 24,270,216	\$ -	2,766,313	EC	\$ 24,270,216	\$ 8,7735	\$ 1,7708	\$ 8,7735	\$ 2,9930
Azusa	\$ 1,260,706	\$ -	239,575	EC	\$ 1,260,706	\$ 5,2623	\$ 1,7708	\$ 5,2623	\$ 2,9930
Banning	\$ 1,020,350	\$ -	139,457	EC	\$ 1,020,350	\$ 7,3166	\$ 1,7708	\$ 7,3166	\$ 2,9930
Pasadena	\$ 10,299,127	\$ -	1,239,884	EC	\$ 10,299,127	\$ 8,3065	\$ 1,7708	\$ 8,3065	\$ 2,9930
Riverside	\$ 15,619,020	\$ -	1,814,019	EC	\$ 15,619,020	\$ 8,6102	\$ 1,7708	\$ 8,6102	\$ 2,9930
Vernon	\$ 10,037,786	\$ -	1,210,668	EC	\$ 10,037,786	\$ 8,2911	\$ 1,7708	\$ 8,2911	\$ 2,9930
Trans-Elect	\$ -	\$ 29,824,763	-	N	\$ 29,824,763	\$ -	\$ -	\$ -	\$ -
<b>ISO Total</b>	<b>\$ 363,207,544</b>	<b>\$ 255,573,687</b>	<b>209,117,653</b>		<b>\$ 618,781,231</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 (40%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (60%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWh)	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (MWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh)	TAC Rate (TAC Area + ISO Wide) (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	= [1] / [3]	= [10] x 40%	= [3]	= [11] / [12]	= [14] + [15]		= [16]	= [17] / [16]	= [18] / [16]	= [13] + [18]	= [19]	= [15] / [16]	
North	\$ 141,645,869	\$ 56,658,348	89,121,865	\$ 0.6357	\$ -	\$ -	89,121,865	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
East/C	\$ 180,506,885	\$ 72,202,754	99,080,485	\$ 0.7287	\$ -	\$ -	99,080,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
South	\$ 41,054,790	\$ 16,421,916	20,915,303	\$ 0.7852	\$ -	\$ -	20,915,303	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 363,207,544</b>	<b>\$ 145,283,018</b>	<b>209,117,653</b>				<b>209,117,653</b>	<b>\$ 2,2643</b>	<b>\$ 1,0421</b>				
										<b>North</b>	<b>\$ 2,9000</b>	<b>\$ 2,9000</b>	<b>\$ 1,6779</b>
										<b>East/Central</b>	<b>\$ 2,9930</b>	<b>\$ 2,9930</b>	<b>\$ 1,7708</b>
										<b>South</b>	<b>\$ 3,0494</b>	<b>\$ 3,0494</b>	<b>\$ 1,8273</b>

# September 1, 2006 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]	EHV only TAC Rate (\$/MWH) [25] = [7]	Amount Paid Based on Filed Gross Load (\$) [26] = [24] x [25]	EHV Utility Specific Rate (\$/MWH) [27] = [6]	Would Have Paid w/ EHV Utility Specific Rate (\$) [28] = [24] x [27]	EHVF Access Charge (Benefit)/Burden (\$) [29] = [26] - [28]
PGE	89,121,865	1.6779	\$ 149,533,530	1.5894	\$ 141,645,869	\$ 7,887,661
SCE	91,670,569	1.7708	\$ 162,334,163	1.2872	\$ 117,999,680	\$ 44,334,483
SDGE	20,915,303	1.8273	\$ 38,218,055	1.9629	\$ 41,054,790	\$ (2,836,735)
Anaheim	2,766,313	1.7708	\$ 4,898,705	8.7735	\$ 24,270,216	\$ (19,371,510)
Azusa	239,575	1.7708	\$ 424,250	5.2623	\$ 1,260,706	\$ (836,456)
Banning	139,457	1.7708	\$ 246,956	7.3166	\$ 1,020,350	\$ (773,394)
Pasadena	1,239,884	1.7708	\$ 2,195,640	8.3065	\$ 10,299,127	\$ (8,103,488)
Riverside	1,814,019	1.7708	\$ 3,212,342	8.6102	\$ 15,619,020	\$ (12,406,678)
Vernon	1,210,668	1.7708	\$ 2,143,903	8.2911	\$ 10,037,786	\$ (7,893,883)
<b>ISO Total</b>	<b>209,117,653</b>		<b>\$ 363,207,544</b>		<b>\$ 363,207,544</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]	IOUs' Cap Exceeds IOUs' Burden Exceeds IOU's Cap (\$) [32] = [31] - [30] > 0, if no cap, then 0.	Amount IOU's Burden Exceeds IOU's Cap (\$) [33] = [30] - [31], if no cap, then 0.	Payments by Entities with Net Benefit (\$) [34] = [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]
\$ 7,887,661	\$ 32,000,000	\$ 24,112,339	\$ 12,334,483	\$ 8,509,903	\$ 8,509,903	\$ 16,397,564	\$ 5,551,507	\$ 14,061,409	\$ 21,949,071	\$ 0.1578
\$ 44,334,483	\$ 32,000,000	\$ 0	\$ 12,334,483	\$ 0	\$ (12,334,483)	\$ 32,000,000	\$ (10,050,929)	\$ (22,385,412)	\$ 21,949,071	\$ (0.2442)
\$ (2,836,735)	\$ 8,000,000	\$ 10,836,735	\$ 0	\$ 3,824,580	\$ 3,824,580	\$ 987,845	\$ 4,499,423	\$ 8,324,002	\$ 5,487,268	\$ 0.3980
\$ (19,371,510)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (19,371,510)	\$ 0	\$ 0	\$ (19,371,510)	\$ 0
\$ (836,456)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (836,456)	\$ 0	\$ 0	\$ (836,456)	\$ 0
\$ (773,394)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (773,394)	\$ 0	\$ 0	\$ (773,394)	\$ 0
\$ (8,103,488)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (8,103,488)	\$ 0	\$ 0	\$ (8,103,488)	\$ 0
\$ (12,406,678)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,406,678)	\$ 0	\$ 0	\$ (12,406,678)	\$ 0
\$ (7,893,883)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,893,883)	\$ 0	\$ 0	\$ (7,893,883)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 34,949,073</b>	<b>\$ 12,334,483</b>	<b>\$ 12,334,483</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## September 1, 2006 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]	ISO Wide Annual Gross Load (MWh) [42]	New HVTRR Rate (\$/MWh) [43]	New HVTRR Cost Responsibility (\$) [44]	NHVF Access Charge (Benefit)/Burden (\$) [45]	Total Access Charge (Benefit)/Burden (\$) [46]
	= [2]	= [3]	= ([15]) / [16]	= ([42]) * [43]	= ([44]) - [41]	= ([45]) + [39]
PGE	\$ 120,632,364	89,121,865	\$ 1.2222	\$ 108,920,521	\$ (11,711,843)	\$ 10,237,227
SCE	\$ 62,710,146	91,670,569	\$ 1.2222	\$ 112,035,426	\$ 49,325,280	\$ 71,274,351
SDGE	\$ 42,406,414	20,915,303	\$ 1.2222	\$ 25,561,692	\$ (16,844,722)	\$ (11,357,454)
Anaheim	\$ -	2,766,313	\$ 1.2222	\$ 3,380,857	\$ 3,380,857	\$ (15,990,654)
Azusa	\$ -	239,575	\$ 1.2222	\$ 292,797	\$ 292,797	\$ (543,659)
Banning	\$ -	139,457	\$ 1.2222	\$ 170,438	\$ 170,438	\$ (602,956)
Pasadena	\$ -	1,239,884	\$ 1.2222	\$ 1,515,327	\$ 1,515,327	\$ (6,588,160)
Riverside	\$ -	1,814,019	\$ 1.2222	\$ 2,217,008	\$ 2,217,008	\$ (10,189,670)
Vernon	\$ -	1,210,668	\$ 1.2222	\$ 1,479,621	\$ 1,479,621	\$ (6,414,262)
Trans-Elect	\$ 29,824,763	0	\$ 1.2222	\$ 0	\$ (29,824,763)	\$ (29,824,763)
<b>Total</b>	<b>\$ 255,573,687</b>	<b>209,117,653</b>		<b>\$ 255,573,687</b>	<b>\$ 0</b>	<b>\$ 0</b>

# ATTACHMENT I

October 1, 2006 TAC Rates  
Based on Filed Annual TRR/TRBA and Load Data

Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

TAC Components:

	Filed Annual TRR Existing HV Facilities (\$) <sup>[1]</sup>	Filed Annual TRR New HV Facilities (\$) <sup>[2]</sup>	Filed Annual Gross Load (MWh) <sup>[3]</sup>	TAC Area <sup>[4]</sup>	Total Filed TRR (\$) <sup>[5]</sup>	EHVF only Utility Specific Rate (\$/MWh) <sup>[6]</sup>	EHVF only TAC Area Rate (\$/MWh) <sup>[7]</sup>	HV Utility Specific Rate (\$/MWh) <sup>[8]</sup>	TAC Area Rate (\$/MWh) <sup>[9]</sup>
PGE	\$ 141,645,869	\$ 120,632,364	89,121,865	N	\$ 262,278,233	1.5894	1.6822	2.9429	2.9067
SCE	\$ 119,529,173	\$ 63,183,727	91,670,569	EC	\$ 182,712,900	1.3039	1.7814	1.9931	3.0058
SDGE	\$ 41,054,790	\$ 42,406,414	20,915,303	S	\$ 83,461,204	1.9629	1.8317	3.9904	3.0561
Anaheim	\$ 24,270,216	\$ -	2,766,313	EC	\$ 24,270,216	8.7735	1.7814	8.7735	3.0058
Azusa	\$ 1,260,706	\$ -	239,575	EC	\$ 1,260,706	5.2623	1.7814	5.2623	3.0058
Banning	\$ 1,020,350	\$ -	139,457	EC	\$ 1,020,350	7.3166	1.7814	7.3166	3.0058
Pasadena	\$ 10,299,127	\$ -	1,239,884	EC	\$ 10,299,127	8.3065	1.7814	8.3065	3.0058
Riverside	\$ 15,619,020	\$ -	1,814,019	EC	\$ 15,619,020	8.6102	1.7814	8.6102	3.0058
Vernon	\$ 10,037,786	\$ -	1,210,668	EC	\$ 10,037,786	8.2911	1.7814	8.2911	3.0058
Trans-Elect	\$ -	\$ 29,824,763	-	N	\$ 29,824,763	-	-	-	2.9067
<b>ISO Total</b>	<b>\$ 364,737,037</b>	<b>\$ 256,047,268</b>	<b>209,117,653</b>		<b>\$ 620,784,305</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 (40%) divided by the Total Load of each area.  
The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (60%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$) <sup>[10]</sup>	Annual TRR TAC Area TRR (\$) <sup>[11]</sup>	Annual Gross Load (MWh) <sup>[12]</sup>	TAC Area Rate (\$/MWh) <sup>[13]</sup>	ISO Wide TRR Existing HV Facilities (\$) <sup>[14]</sup>	ISO Wide TRR New HV Facilities (\$) <sup>[15]</sup>	ISO Wide Annual Gross Load (MWh) <sup>[16]</sup>	ISO Wide Rate (\$/MWh) <sup>[17]</sup>	EHVF only ISO-Wide Rate (\$/MWh) <sup>[18]</sup>	EHVF only Utility Specific Rate (\$/MWh) <sup>[6]</sup>	TAC Rate (TAC Area + ISO Wide) (\$/MWh) <sup>[19]</sup>	Wheeling Rate (TAC Area + ISO Wide) (\$/MWh) <sup>[20]</sup>	Existing HV Facilities (EHVF) only TAC Rate (\$/MWh) <sup>[21]</sup>	New HV Facilities (NHVF) only TAC Rate (\$/MWh) <sup>[22]</sup>
North	\$ 141,645,869	\$ 56,658,348	89,121,865	0.6357						1.5894	2.9067	2.9067	1.6822	1.2244
East/C	\$ 182,036,378	\$ 72,814,551	99,080,485	0.7349						1.3039	3.0058	3.0058	1.7814	1.2244
South	\$ 41,054,790	\$ 16,421,916	20,915,303	0.7852						1.9629	3.0561	3.0561	1.8317	1.2244
<b>Total</b>	<b>\$ 364,737,037</b>	<b>\$ 145,894,815</b>	<b>209,117,653</b>		<b>\$ 218,842,222</b>	<b>\$ 256,047,268</b>	<b>209,117,653</b>	<b>2.2709</b>						

# October 1, 2006 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]	EHVF only TAC Rate (\$/MWH) [25]	Amount Paid Based on Filed Gross Load (\$) [26]	EHVF Utility Specific Rate (\$/MWH) [27]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [28]	EHVF Access Charge (Benefit)/Burden (\$) [29]
PGE	89,121,865	1.6822	149,924,634	1.5894	141,645,869	8,278,765
SCE	91,670,569	1.7814	163,302,494	1.3039	119,529,173	43,773,321
SDGE	20,915,303	1.8317	38,309,840	1.9629	41,054,790	(2,744,950)
Anaheim	2,766,313	1.7814	4,927,926	8.7735	24,270,216	(19,342,289)
Azusa	239,575	1.7814	426,780	5.2623	1,260,706	(833,926)
Banning	139,457	1.7814	248,430	7.3166	1,020,350	(771,921)
Pasadena	1,239,884	1.7814	2,208,737	8.3065	10,299,127	(8,090,390)
Riverside	1,814,019	1.7814	3,231,504	8.6102	15,619,020	(12,387,516)
Vernon	1,210,668	1.7814	2,156,691	8.2911	10,037,786	(7,881,095)
<b>ISO Total</b>	<b>209,117,653</b>		<b>\$ 364,737,037</b>		<b>\$ 364,737,037</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 (\$)	IOUs' Cap Exceeds IOUs' Burden Exceeds IOU's Cap (\$)	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)
\$ 8,278,765	\$ 32,000,000	\$ 23,721,235	\$ 0	\$ 8,102,948	\$ 8,102,948	\$ 16,381,714	\$ 5,532,569	\$ 13,635,518	\$ 21,914,283	\$ 0.1530
\$ 43,773,321	\$ 32,000,000	\$ 0	\$ 11,773,321	\$ 0	\$ (11,773,321)	\$ 32,000,000	\$ (10,085,717)	\$ (21,859,038)	\$ 21,914,283	\$ (0.2385)
\$ (2,744,950)	\$ 8,000,000	\$ 10,744,950	\$ 0	\$ 3,670,373	\$ 3,670,373	\$ 925,423	\$ 4,553,148	\$ 8,223,520	\$ 5,478,571	\$ 0.3932
\$ (19,342,289)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (19,342,289)	\$ 0	\$ 0	\$ (19,342,289)	\$ 0
\$ (833,926)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (833,926)	\$ 0	\$ 0	\$ (833,926)	\$ 0
\$ (771,921)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (771,921)	\$ 0	\$ 0	\$ (771,921)	\$ 0
\$ (8,090,390)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (8,090,390)	\$ 0	\$ 0	\$ (8,090,390)	\$ 0
\$ (12,387,516)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (12,387,516)	\$ 0	\$ 0	\$ (12,387,516)	\$ 0
\$ (7,881,095)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,881,095)	\$ 0	\$ 0	\$ (7,881,095)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 34,466,184</b>	<b>\$ 11,773,321</b>	<b>\$ 11,773,321</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

## October 1, 2006 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]	ISO Wide Annual Gross Load (MWh) [42]	New HVTRR Rate (\$/MWh) [43]	New HVTRR Cost Responsibility (\$) [44]	NHVF Access Charge (Benefit)/Burden (\$) [45]	Total Access Charge (Benefit)/Burden (\$) [46]
	= [2]	= [3]	= ([15])/[16]	= ([42]) * [43]	= ([44]) - [41]	= ([45]) + [39]
PGE	\$ 120,632,364	89,121,865	\$ 1,2244	\$ 109,122,352	\$ (11,510,012)	\$ 10,404,271
SCE	\$ 63,183,727	91,670,969	\$ 1,2244	\$ 112,243,029	\$ 49,059,302	\$ 70,973,585
SDGE	\$ 42,406,414	20,915,303	\$ 1,2244	\$ 25,609,058	\$ (16,797,356)	\$ (11,318,785)
Anaheim	\$ -	2,766,313	\$ 1,2244	\$ 3,387,121	\$ 3,387,121	\$ (15,955,168)
Azusa	\$ -	239,575	\$ 1,2244	\$ 293,340	\$ 293,340	\$ (540,586)
Banning	\$ -	139,457	\$ 1,2244	\$ 170,754	\$ 170,754	\$ (601,167)
Pasadena	\$ -	1,239,884	\$ 1,2244	\$ 1,518,135	\$ 1,518,135	\$ (6,572,255)
Riverside	\$ -	1,814,019	\$ 1,2244	\$ 2,221,116	\$ 2,221,116	\$ (10,166,400)
Vernon	\$ -	1,210,668	\$ 1,2244	\$ 1,482,363	\$ 1,482,363	\$ (6,398,732)
Trans-Elect	\$ 29,824,763	0	\$ 0	\$ 0	\$ (29,824,763)	\$ (29,824,763)
<b>Total</b>	<b>\$ 256,047,268</b>	<b>209,117,653</b>		<b>\$ 256,047,268</b>	<b>\$ 0</b>	<b>\$ 0</b>



## ATTACHMENT J

January 1, 2007 TAC Rates  
Based on Filed Annual TRR/TRBA and Load Data

Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

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] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [4]	[8] = [5] / [3]	[9] = [19]
PGE	\$ 134,992,115	\$ 114,987,126	89,121,865	N	\$ 249,979,241	1.5147	1.6847	2.8049	2.7759
SCE	\$ 135,861,900	\$ 42,066,851	91,670,569	EC	\$ 177,928,751	1.4821	1.8243	1.9410	2.9156
SDGE	\$ 36,357,168	\$ 42,082,122	20,915,303	S	\$ 78,439,290	1.7383	1.7518	3.7503	2.8430
Anaheim	\$ 23,306,702	\$ -	2,766,313	EC	\$ 23,306,702	8.4252	1.8243	8.4252	2.9156
Azusa	\$ 1,183,561	\$ -	239,575	EC	\$ 1,183,561	4.9403	1.8243	4.9403	2.9156
Banning	\$ 924,574	\$ -	139,457	EC	\$ 924,574	6.6298	1.8243	6.6298	2.9156
Pasadena	\$ 9,952,813	\$ -	1,239,884	EC	\$ 9,952,813	8.0272	1.8243	8.0272	2.9156
Riverside	\$ 15,254,491	\$ -	1,814,019	EC	\$ 15,254,491	8.4092	1.8243	8.4092	2.9156
Vernon	\$ 9,703,795	\$ -	1,210,668	EC	\$ 9,703,795	8.0152	1.8243	8.0152	2.9156
Atlantic P15	\$ -	\$ 29,062,470	-	N	\$ 29,062,470	-	-	-	2.7759
ISO Total	\$ 367,537,118	\$ 228,198,569	209,117,653		\$ 595,735,687				

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 (30%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (70%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWh)	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (MWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	New HV Facilities (NHVF) only TAC Rate (\$/MWh)
	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[15] / [16]
North	\$ 134,992,115	\$ 40,497,635	89,121,865	\$ 0.4544						
East/C	\$ 196,187,835	\$ 58,856,351	99,080,485	\$ 0.5940						
South	\$ 36,357,168	\$ 10,907,150	20,915,303	\$ 0.5215						
Total	\$ 367,537,118	\$ 110,261,136	209,117,653							
ISO Wide TRR Existing HV Facilities (\$)										
ISO Wide TRR New HV Facilities (\$)										
ISO Wide Annual Gross Load (MWh)										
ISO Wide Rate (\$/MWh)										
EHVF only ISO-Wide Rate (\$/MWh)										
New HV Facilities (NHVF) only TAC Rate (\$/MWh)										
Existing HV Facilities (EHVF) only TAC Rate (\$/MWh)										
Wheeling Rate (TAC Area + ISO Wide) (\$/MWh)										
TAC Rate (TAC Area + ISO Wide) (\$/MWh)										
North	\$ 2.7759	\$ 2.7759	\$ 1.6847	\$ 2.7759	\$ 2.7759	\$ 1.6847	\$ 1.6847	\$ 1.6847	\$ 1.6847	\$ 1.0912
East/Central	\$ 2.9156	\$ 2.9156	\$ 1.8243	\$ 2.9156	\$ 2.9156	\$ 1.8243	\$ 1.8243	\$ 1.8243	\$ 1.8243	\$ 1.0912
South	\$ 2.8430	\$ 2.8430	\$ 1.7518	\$ 2.8430	\$ 2.8430	\$ 1.7518	\$ 1.7518	\$ 1.7518	\$ 1.7518	\$ 1.0912

# January 1, 2007 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]	EHVF only TAC Rate (\$/MWH) [25]	Amount Paid Based on Filed Gross Load (\$) [26]	EHVF only Utility Specific Rate (\$/MWH) [27]	Would Have Paid w/ EHVF Utility Specific Rate (\$) [28]	EHVF Access Charge (Benefit)/Burden (\$) [29]
[23]	[24]	[25]	[26]	[27]	[28]	[29]
[4]	[3]	[7]	[24] x [25]	[6]	[24] x [27]	[25] - [28]
PGE	89,121,865	1.6847	\$ 150,143,640	\$ 1.5147	\$ 134,992,115	\$ 15,151,525
SCE	91,670,569	1.8243	\$ 167,236,329	\$ 1.4821	\$ 135,861,900	\$ 31,374,429
SDGE	20,915,303	1.7518	\$ 36,639,101	\$ 1.7383	\$ 36,357,168	\$ 281,933
Anaheim	2,766,313	1.8243	\$ 5,046,636	\$ 8.4252	\$ 23,306,702	\$ (18,260,066)
Azusa	239,575	1.8243	\$ 437,061	\$ 4.9403	\$ 1,183,561	\$ (746,499)
Banning	139,457	1.8243	\$ 254,414	\$ 6.6298	\$ 924,574	\$ (670,160)
Pasadena	1,239,884	1.8243	\$ 2,261,944	\$ 8.0272	\$ 9,952,813	\$ (7,690,869)
Riverside	1,814,019	1.8243	\$ 3,309,349	\$ 8.4092	\$ 15,254,491	\$ (11,945,142)
Vernon	1,210,568	1.8243	\$ 2,208,644	\$ 8.0152	\$ 9,703,795	\$ (7,495,151)
<b>ISO Total</b>	<b>209,117,653</b>		<b>\$ 367,537,118</b>		<b>\$ 367,537,118</b>	<b>\$ (0)</b>

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

\$32/328 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]	IOU Burden Annual Cap (\$) [31]	IOUs' Cap Exceeds IOUs' Burden Exceeds IOUs' Cap (\$) [32]	Amount IOUs' Burden Exceeds IOUs' Cap (\$) [33]	Payments by Entities with Net Benefit (\$) [34]	Mitigation Payments (\$) [35]	Adjusted Net (Benefit) / Burden (\$) [36]	Reallocation IOU Burden (\$) [37]	Transition Charge (\$) [38]	Adjusted Net (Benefit) / Burden (\$) [39]	Transition Charge Rate (\$/MWh) [40]
[29]	[31]	IF ([31] - [30] > 0) = [31] - [30]; if no cap, then 0.	IF [30] - [31] > 0 = [30] - [31]; if no cap, then 0.	IOUs = ([32] / total[32]) x total[33]; Munis w/ Benefit = ([30] / total[30]) x total[33] - total[32]	[34] - [33]	[36]	Reallocate IOU Burden [37] so it is proportional to IOU Cap [37] = [37] - [36]	[38]	[36] + [37]	[40]
\$ 15,151,525	\$ 32,000,000	\$ 16,848,475	\$ 16,848,475	\$ 0	\$ 0	\$ 15,151,525	\$ 5,651,980	\$ 5,651,980	\$ 20,803,506	\$ 0.0634
\$ 31,374,429	\$ 32,000,000	\$ 625,571	\$ 625,571	\$ 0	\$ 0	\$ 31,374,429	\$ (10,570,923)	\$ (10,570,923)	\$ 20,803,506	\$ (0.1153)
\$ 281,933	\$ 8,000,000	\$ 7,718,067	\$ 7,718,067	\$ 0	\$ 0	\$ 281,933	\$ 4,918,943	\$ 4,918,943	\$ 5,200,876	\$ 0.2352
\$ (18,260,066)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (18,260,066)	\$ 0	\$ 0	\$ (18,260,066)	\$ 0
\$ (746,499)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (746,499)	\$ 0	\$ 0	\$ (746,499)	\$ 0
\$ (670,160)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (670,160)	\$ 0	\$ 0	\$ (670,160)	\$ 0
\$ (7,690,869)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,690,869)	\$ 0	\$ 0	\$ (7,690,869)	\$ 0
\$ (11,945,142)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (11,945,142)	\$ 0	\$ 0	\$ (11,945,142)	\$ 0
\$ (7,495,151)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,495,151)	\$ 0	\$ 0	\$ (7,495,151)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 25,192,113</b>	<b>\$ 25,192,113</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

# January 1, 2007 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]	ISO Wide Annual Gross Load (MWh) [42]	New HVTRR Rate (\$/MWh) [43]	New HVTRR Cost Responsibility (\$) [44]	NHVF Access Charge (Benefit)/Burden (\$) [45]	Total Access Charge (Benefit)/Burden (\$) [46]
	= [2]	= [3]	= ([15]) / [16]	= ([42]) * [43]	= ([44]) - [41]	= ([45]) + [39]
PGE	\$ 114,987,126	89,121,865	1.0912	\$ 97,253,779	\$ (17,733,347)	\$ 3,070,159
SCE	\$ 42,066,851	91,670,569	1.0912	\$ 100,035,039	\$ 57,968,188	\$ 78,771,694
SDGE	\$ 42,082,122	20,915,303	1.0912	\$ 22,823,717	\$ (19,258,405)	\$ (14,057,528)
Anaheim	\$ -	2,766,313	1.0912	\$ 3,018,725	\$ 3,018,725	\$ (15,241,341)
Azusa	\$ -	239,575	1.0912	\$ 261,435	\$ 261,435	\$ (485,064)
Banning	\$ -	139,457	1.0912	\$ 152,182	\$ 152,182	\$ (517,978)
Pasadena	\$ -	1,239,884	1.0912	\$ 1,353,017	\$ 1,353,017	\$ (6,337,852)
Riverside	\$ -	1,814,019	1.0912	\$ 1,979,539	\$ 1,979,539	\$ (9,965,603)
Vernon	\$ -	1,210,668	1.0912	\$ 1,321,135	\$ 1,321,135	\$ (6,174,016)
Atlantic P15	\$ 29,062,470	0	1.0912	\$ 0	\$ (29,062,470)	\$ (29,062,470)
<b>Total</b>	<b>\$ 228,198,569</b>	<b>209,117,653</b>		<b>\$ 228,198,569</b>	<b>\$ 0</b>	<b>\$ 0</b>

## ATTACHMENT K

### March 1, 2007 TAC Rates Based on Filed Annual TRR/TRBA and Load Data

#### Per FERC Approval of Atlantic Path 15's Revised Transmission Revenue Requirement (Docket No. ER05-17)

**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] = [1] + [2]	[6] = [1] / [3]	[7] = [2] / [4]	[8] = [5] / [3]	[9] = [19]
PGE	\$ 138,750,780	\$ 140,880,921	\$ 89,438,787	N	\$ 279,631,701	1,5513	1,7064	3,1265	2,9196
SCE	\$ 135,861,900	\$ 42,066,851	\$ 91,670,569	EC	\$ 177,928,751	1,4821	1,8350	1,9410	3,0482
SDGE	\$ 36,357,168	\$ 42,082,122	\$ 20,915,303	S	\$ 78,439,290	1,7383	1,7625	3,7503	2,9757
Anaheim	\$ 23,306,702	\$ -	\$ 2,766,313	EC	\$ 23,306,702	8,4252	1,8350	8,4252	3,0482
Azusa	\$ 1,183,561	\$ -	\$ 239,575	EC	\$ 1,183,561	4,9403	1,8350	4,9403	3,0482
Banning	\$ 924,574	\$ -	\$ 139,457	EC	\$ 924,574	6,6298	1,8350	6,6298	3,0482
Pasadena	\$ 9,952,813	\$ -	\$ 1,239,884	EC	\$ 9,952,813	8,0272	1,8350	8,0272	3,0482
Riverside	\$ 15,254,491	\$ -	\$ 1,814,019	EC	\$ 15,254,491	8,4092	1,8350	8,4092	3,0482
Vernon	\$ 9,703,795	\$ -	\$ 1,210,668	EC	\$ 9,703,795	8,0152	1,8350	8,0152	3,0482
Atlantic P15	\$ -	\$ 29,062,470	\$ -	N	\$ 29,062,470	-	-	-	2,9196
<b>ISO Total</b>	<b>\$ 371,295,783</b>	<b>\$ 254,092,364</b>	<b>209,434,575</b>		<b>\$ 625,388,147</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 (30%) divided by the Total Load of each area. The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (70%), plus the TRR of New HV Facilities, divided by total load.

	Annual TRR Existing HV Facilities (\$)	Annual TRR TAC Area TRR (\$)	Annual Gross Load (MWh)	TAC Area Rate (\$/MWh)	ISO Wide TRR Existing HV Facilities (\$)	ISO Wide TRR New HV Facilities (\$)	ISO Wide Annual Gross Load (MWh)	ISO Wide Rate (\$/MWh)	EHVF only ISO-Wide Rate (\$/MWh)	North	East/Central	South
	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[13] + [17]	[15] / [16]
North	\$ 138,750,780	\$ 41,625,234	\$ 89,438,787	\$ 0.4654	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,9196	\$ 1,7064	\$ 1,2132
East/C	\$ 196,187,835	\$ 58,856,351	\$ 99,080,485	\$ 0.5940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,0482	\$ 1,8350	\$ 1,2132
South	\$ 36,357,168	\$ 10,907,150	\$ 20,915,303	\$ 0.5215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,9757	\$ 1,7625	\$ 1,2132
<b>Total</b>	<b>\$ 371,295,783</b>	<b>\$ 111,388,735</b>	<b>209,434,575</b>							<b>\$ 2,9196</b>	<b>\$ 3,0482</b>	<b>\$ 2,9757</b>
										<b>North</b>	<b>East/Central</b>	<b>South</b>
										<b>\$</b>	<b>\$</b>	<b>\$</b>

<b>ISO-wide</b>	<b>\$ 259,907,048</b>	<b>\$ 254,092,364</b>	<b>\$ 209,434,575</b>	<b>\$ 2,4542</b>	<b>\$ 1,2410</b>
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## March 1, 2007 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]	EHV only TAC Rate (\$/MWh) [25]	Amount Paid Based on Filed Gross Load (\$) [26]	EHV Utility Specific Rate (\$/MWh) [27]	Would Have Paid w/ EHV Utility Specific Rate (\$) [28]	EHV Access Charge (Benefit)/Burden (\$) [29]
	[4]	[7]	[24] x [25]	[27]	[24] x [27]	[26] - [28]
PGE	89,438,787	1.7064	152,618,231	1.5513	138,750,780	13,867,451
SCE	91,670,569	1.8350	168,217,295	1.4821	135,861,900	32,355,395
SDGE	20,915,303	1.7625	36,862,916	1.7383	36,357,168	505,748
Anaheim	2,766,313	1.8350	5,076,239	8.4252	23,306,702	(18,230,463)
Azusa	239,575	1.8350	439,625	4.9403	1,183,561	(743,936)
Banning	139,457	1.8350	255,906	6.6298	924,574	(668,667)
Pasadena	1,239,884	1.8350	2,275,212	8.0272	9,952,813	(7,677,601)
Riverside	1,814,019	1.8350	3,328,761	8.4092	15,254,491	(11,925,730)
Vernon	1,210,668	1.8350	2,221,600	8.0152	9,703,795	(7,482,195)
<b>ISO Total</b>	<b>209,434,575</b>		<b>\$ 371,295,783</b>		<b>\$ 371,295,783</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.

EHV Access Charge (Benefit)/Burden (\$)	IOU Burden Annual Cap (\$)	IOUs' Cap Exceeds IOUs' Burden Exceeds IOUs' Cap	Amount IOUs' Burden Exceeds IOUs' Cap	IOUs' Burden Exceeds IOUs' Cap	IOUs' Cap Exceeds IOUs' Burden Exceeds IOUs' 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]	[31]	IF [31] - [30] > 0 = [31] - [30]. If no cap, then 0.	IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	[32]	[32] / total [32] x total [33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]
[29]	[31]	IF [31] - [30] > 0 = [31] - [30]. If no cap, then 0.	IF [30] - [31] > 0 = [30] - [31]. If no cap, then 0.	[32]	[32] / total [32] x total [33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]
\$ 13,867,451	\$ 32,000,000	\$ 18,132,549	\$ 0	\$ 251,464	\$ 251,464	\$ 251,464	\$ 251,464	\$ 14,118,915	\$ 6,649,349	\$ 6,900,813	\$ 20,768,264	\$ 0.0772
\$ 32,355,395	\$ 32,000,000	\$ 0	\$ 355,395	\$ 0	\$ 0	\$ 0	\$ (355,395)	\$ 32,000,000	\$ (11,231,736)	\$ (11,587,131)	\$ 20,768,264	\$ (0.1264)
\$ 505,748	\$ 8,000,000	\$ 7,494,252	\$ 0	\$ 103,931	\$ 103,931	\$ 103,931	\$ 103,931	\$ 609,679	\$ 4,582,387	\$ 4,686,318	\$ 5,192,066	\$ 0.2241
\$ (743,936)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (18,230,463)	\$ 0	\$ 0	\$ (18,230,463)	\$ 0
\$ (668,667)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (668,667)	\$ 0	\$ 0	\$ (668,667)	\$ 0
\$ (7,677,601)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,677,601)	\$ 0	\$ 0	\$ (7,677,601)	\$ 0
\$ (11,925,730)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (11,925,730)	\$ 0	\$ 0	\$ (11,925,730)	\$ 0
\$ (7,482,195)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ (7,482,195)	\$ 0	\$ 0	\$ (7,482,195)	\$ 0
<b>Total</b>	<b>\$ 72,000,000</b>	<b>\$ 25,626,801</b>	<b>\$ 355,395</b>	<b>\$ 355,395</b>	<b>\$ 355,395</b>	<b>\$ 355,395</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**March 1, 2007 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	\$ 140,880,921	89,438,787	\$ 1,2132	\$ 108,509,843	\$ (32,371,078)	\$ (11,602,814)
SCE	\$ 42,066,851	91,670,569	\$ 1,2132	\$ 111,217,508	\$ 69,150,657	\$ 89,918,921
SDGE	\$ 42,082,122	20,915,303	\$ 1,2132	\$ 25,375,079	\$ (16,707,043)	\$ (11,514,977)
Anaheim	\$ -	2,766,313	\$ 1,2132	\$ 3,356,175	\$ 3,356,175	\$ (14,874,289)
Azusa	\$ -	239,575	\$ 1,2132	\$ 290,660	\$ 290,660	\$ (453,276)
Banning	\$ -	139,457	\$ 1,2132	\$ 169,193	\$ 169,193	\$ (499,474)
Pasadena	\$ -	1,239,884	\$ 1,2132	\$ 1,504,265	\$ 1,504,265	\$ (6,173,337)
Riverside	\$ -	1,814,019	\$ 1,2132	\$ 2,200,823	\$ 2,200,823	\$ (9,724,908)
Vernon	\$ -	1,210,668	\$ 1,2132	\$ 1,468,819	\$ 1,468,819	\$ (6,013,376)
Atlantic P15	\$ 29,062,470	0	\$ 1,2132	\$ 0	\$ (29,062,470)	\$ (29,062,470)
<b>Total</b>	<b>\$ 254,092,364</b>	<b>209,434,575</b>		<b>\$ 254,092,364</b>	<b>\$ 0</b>	<b>\$ 0</b>