

Wheeling Access Charges

**“Single PTO-Owned” Scheduling and TakeOut Points
Effective August 13 - September 30, 2003**

PTO	Voltage Designation	HV Wheeling Access Rate (\$/MWh)	LV Wheeling Access Rate (\$/MWh)
PGE	HV	2.2714	---
	LV	2.2714	3.2774
SCE	HV	2.7154	---
	LV	2.7154	0.3210
SDGE	HV	2.5959	---
	LV	2.5959	2.9706

NOTES:

Following are four tables contain Wheeling Access Charges at the various scheduling and take-out points. Wheeling Access Charge is applicable for Wheeling on the ISO Controlled Grid. No Wheeling Access Charge is applied when a Scheduling Coordinator uses only Existing Transmission Capacity.

* **High Voltage (HV) Wheeling Access Charges** are assessed for wheeling from transmission facilities with voltage rating of 200 kV or higher.

* **Low Voltage (LV) Wheeling Access Charges** in addition to the HV Wheeling Access Charges are assessed for wheeling at transmission facilities with a voltage rating of less than 200 kV.

Table 1: **“Multi-Owned” Scheduling Points** (Owned by More than One Participating TO): *Applicable Wheeling Access Charge is shown for each month to reflect the amount of Converted Rights associated with these Scheduling Points may change monthly.*

Table 2: **“Single-Owned” Scheduling Points.**

Table 3: **SCE Take-Out Points** Interconnecting Non PTOs Within the ISO Control Area to the ISO Controlled Grid.

Table 4: **PG&E Take-Out Points** Interconnecting Non PTOs Within the ISO Control Area to the ISO Controlled Grid.

Table 1: Weighted Average Wheeling Rates (\$/MWh) for "Multi PTO-Owned" Scheduling Points

Rates

Scheduling Point (s)		Voltage (kV)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
COB	MALIN_5_RNDMTN	500	1.92	1.92	1.84	1.84	1.84	1.84	1.84	1.84 a 2.41 b	2.41			
	CAPJAK_5_OLINDA	500												
Palo Verde	PVERDE_5_DEVERS	500	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33 a 2.66 b	2.66			
	PVERDE_5_NG-PLV	500												
NOB	SYLMAR_2_NOB	500	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12 a 2.57 b	2.57			
Mead	MEAD_2_WALC	230	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39 a 2.72 b	2.72			
Victorville	LUGO_5_VICTVL	500	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39 a 2.72 b	2.72			
Sylmar-AC	SYLMAR_2_LDWP	230	2.39	2.39	2.39	2.39	2.39	2.39	2.39					
LUGO BGs	LUGO_5_WSTWNG	500	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39 a 2.72 b	2.72			
	LUGO_5_MKTPLC	500												
	LUGO_5_MONA	345												
	LUGO_5_GONDER	230												

2
0
0
3

**Table 2: Wheeling Access Charge for “Single PTO-Owned” Scheduling Points
Effective August 13 - September 30, 2003**

PTO	Scheduling Points	Voltage Level (kV)	Voltage Designation	HV Wheeling Access Rate (\$/MWh)	LV Wheeling Access Rate (\$/MWh)
SCE	DEVERS_2_COCHLA	230	HV	2.7154	---
	ELDORD_5_MCLLGH	500			
	ELDORD_5_MOENKP	500			
	ELDORD_5_PSUEDO	500			
	FCORNR_5_PSUEDO	500			
	MIRAGE_2_COCHLA	230			
	MOENKO_5_PSUEDO	500			
	MOHAVE_5_500KV	500			
	MRCHNT_2_ELDORD	230			
	PARKR_2_GENE	230			
SCE	BLYTHE_1_WALC	161	LV	2.7154	0.3210
	INYOS_2_LDWP	115			
	MOHAVE_6_69KV	69			
	SLVRPK_7_SPP	55			
PG&E	ELVRTA_2_ELVRTW	230	HV	2.2714	---
	HURLEY_2_WAPA	230			
	RANCHO_2_BELOTA	230			
	LAKE_2_GOLDHL	230			
	CASCAD_1_CRAGVW	115			
SUMITM_1_SPP	115				
SDG&E	IVALLY_2_23050	230	HV	2.5959	---
	IVALLY_2_230S	230			
	TJUANA_2_23040	230			
	NGILA_5_NG4	69			

Table 3:

**Wheeling Access Charge
SCE Take Out Points
Interconnecting Non-PTOs Within ISO Control Area
to the ISO Controlled Grid
Effective August 13 - September 30, 2003**

SCE	Voltage Designation	HV Wheeling Access (\$/MWh)	LV Wheeling Access (\$/MWh)		
	HV	2.7154	---		
	LV	2.7154	0.321		
PTO	NON-PTO	TAKE-OUT POINT	Voltage (kV)	Voltage Designation	
SCE	Anza	Vista	230	HV	
	APS Cities	Blythe	161	LV	
	City of Industry	Walnut	230	HV	
	CDWR	Bailey	66	66	LV
		Eldorado	500	500	HV
		Midway	500	500	HV
		Pardee	230	230	HV
		Songs	230	230	HV
		Sylmar	500	500	HV
		Vincent	500	500	HV
		Vista	230	230	HV
		Colton	Vista	230	230
	MSR	Victorville/Lugo Midpoint	500	500	HV
		Midway	500	500	HV
	MWD	Etiwanda	230	230	HV
		Vincent	500	500	HV
	Pasadena	Goodrich	230	230	HV
	SoCal Water	Vista	230	230	HV
		Victor	115	115	LV

Table 4:

**Wheeling Access Charge
PGE Take Out Points
Interconnecting Non-PTOs Within ISO Control Area to the ISO Controlled Grid**

Effective August 13 - September 30, 2003

PGE	NON-PTO	TAKE-OUT POINT	Voltage Designation	HV Wheeling Access Rate (\$/MWh)	LV Wheeling Access Rate (\$/MWh)
			HV	2.2714	---
			LV	2.2714	3.2774
PTO	NON-PTO	TAKE-OUT POINT	Voltage (kV)	Voltage Designation	
PGE	CA Department of Water Resources	1. Table Mountain Substation: Oroville-Thermalito-Table Mountain Nos. 1, 2 & 3 2. Geysers Power Plant: Bottle Rock Tap off Geysers-Fulton No. 2 3. Barker Slough Pumping Plant: Barker Slough Tap off Brighton-Davis 4. Cordelia Pumping Plant: Cordelia No. 2 5. Interim Cordelia Pumping Plant: Cordelia No. 1 6. Delta (Harvey O. Banks Pumping Plant): Delta Substation off Contra Costa-Tesla No. 2 7. South Bay Pumping Plant: Herdlyn-Livermore 8. Del Valle Pumping Plant: Fed from 21 kV Los Positas 2106 circuit from Bank 2 Los Positas Substation, which is served by Contra Costa-Newark No. 1 9. San Luis (Gianelli) Pump/Generation: Double circuit connected to Los Banos 10. Dos Amigos Pumping Plant: Tesla-Midway No. 2, Los Banos Panoche section 11. Pine Flat Power Plant: Tap off Balch-McCall 12. Las Perillas Pumping Plant: Las Perillas Tap off Arco-Tulare Lake 13. Badger Hill Pumping Plant: Badger Hill Tap off Arco-Tulare Lake 14. Midway – Wheeler Ridge transmission system between Midway Substation and the point of interconnection with the Wind Gap Pumpings Plant tap line. The following tap lines are connected to Midway: • Buena Vista Pumping Plant: Buena Vista Nos. 1 & 2 • Wheeler Ridge Pumping Plant: Wheeler Ridge Nos. 1 & 2 • Chrisman (Wind Gap) Pumping Plant: Wind Gap Nos. 1 & 2 15. Midway Substation 16. Coastal Branch Plants (Devil’s Den, Bluestone, and Polonio Pass) all tapped off the Arco-Polonio line.	230 230 115 60 60 230 60 230 230 230 230 70 70 230 70	HV HV LV LV LV HV LV HV HV HV LV LV HV LV	
	Central CA Power Agency	Geysers - Fulton No. 1 and No. 2	230	HV	
	City and County of San Francisco	1. Moccasin - Newark No. 1 2. Moccasin - Newark No. 2 3. Bellota - Gregg No. 2 at Warnerville Substation	115 115 230	LV LV HV	
	City of Redding	Tracy	230	HV	
	City of Shasta Lake	Tracy	230	HV	
	City of Santa Clara	1. Newark - Scott No. 1 2. Newark - Scott No. 2 3. Newark - Kifer 4. San Jose B - Kifer	115 115 115 115	LV LV LV LV	
	Lassen Municipal Utility District	Westwood	60	LV	
	Modesto Irrigation District	Westley	230	HV	
	Northern CA Power Agency	1. Westley 2. Tracy 3. Scott 4. Kifer 5. Lompoc Substation 6. Palo Alto Substation 7. Ukiah Substation 8. Station C 9. Station J 10. Industrial Substation 11. Quincy Substation 12. Briggs Substation 13. Gridley Substation 14. Healdsburg Substation	230 230 115 115 115 115 115 115 115 60 60 60 60 60	HV HV LV LV LV LV LV LV LV LV LV LV LV LV	
	Port of Oakland	Delivery Point SS-1 in Oakland. 12 kV service from PG&E’s Edos Substation	12	LV	
	Shelter Cove Resort Impr. District	PG&E’s Garberville 1102 Circuit in Humboldt County	12	LV	
	Turlock Irrigation District	Westley	230	HV	
	Western Area Power Administration	1. Cottonwood Substation 2. Tracy Substation 3. New Melones 4. O’Neill	230 69 230 230	HV LV HV HV	