

Wheeling Access Charges for Jan 2001 thru August 2002

The following tables contain Wheeling Access Charges at the scheduling points. The Wheeling Access Charge is applicable for Wheeling on the ISO Controlled Grid. No Wheeling Access Charge is applied if 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. Wheeling from transmission facilities with a voltage rating of less than 200 kV will result in Low Voltage (LV) Wheeling Access Charges in addition to the HV Wheeling access charge.

Table 1: Scheduling Points "Owned" by More than One Participating TO: *The applicable Wheeling Access Charge is shown for each month to reflect that the amount of Converted Rights associated with these Scheduling Points may change monthly.*

Table 2: Scheduling Points "Owned" by a Single Participating TO.

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.

The following FERC ruling resulted in revised wheeling access charges:

Revised Access Charge Rates effective April 1, 1998 to August 31, 2002 per Southern California Edison's (SCE) revised TO1 Transmission Revenue Requirement (TRR) under Docket #'s ER97-2355, et al.

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

| Scheduling Point (s) | Voltage (kV) | Jan 01 | Feb 01 | Mar 01 | Apr 01 | 6 Apr 01 | May 01 | 6 May 01 | Jun 01 | Jul 01 | Aug 01 | Sep 01 | Oct 01 | Nov 01 | Dec 01 |
|----------------------|--------------|--------|--------|--------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|
| COB | | | | | | | | | | | | | | | |
| MALIN_5_RNDMTN | 500 | 1.46 | 1.46 | 1.39 | 1.39 | 1.39 | 1.44 | 1.50 | 1.48 | 1.49 | 1.49 | 1.49 | 1.48 | 1.54 | 1.54 |
| CAPJAK_5_OLINDA | 500 | 1.46 | 1.46 | 1.39 | 1.39 | 1.39 | 1.44 | 1.50 | 1.48 | 1.49 | 1.49 | 1.49 | 1.48 | 1.54 | 1.54 |
| Palo Verde | | | | | | | | | | | | | | | |
| PVERDE_5_DEVERS | 500 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 |
| PVERDE_5_NG-PLV | 500 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 |
| NOB | | | | | | | | | | | | | | | |
| SYLMAR_2_NOB | 500 | 1.47 | 1.47 | 1.47 | 1.43 | 1.43 | 1.49 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 | 1.49 | 1.49 |
| Mead | | | | | | | | | | | | | | | |
| MEAD_2_WALC | 230 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 |
| Victorville | | | | | | | | | | | | | | | |
| LUGO_5_VICTVL | 500 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 |
| Sylmar-AC | | | | | | | | | | | | | | | |
| SYLMAR_2_LDWP | 230 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 |

| Scheduling Point (s) | Voltage (kV) | Jan 02 | Feb 02 | Mar 02 | Apr 02 | May 02 | Jun 02 | Jul 02 | Aug 02 |
|----------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| COB | | | | | | | | | |
| MALIN_5_RNDMTN | 500 | 1.53 | 1.53 | 1.49 | 1.48 | 1.43 | 1.48 | 1.48 | 1.48 |
| CAPJAK_5_OLINDA | 500 | 1.53 | 1.53 | 1.49 | 1.48 | 1.43 | 1.48 | 1.48 | 1.48 |
| Palo Verde | | | | | | | | | |
| PVERDE_5_DEVERS | 500 | 1.70 | 1.70 | 1.70 | 1.70 | 1.73 | 1.73 | 1.73 | 1.73 |
| PVERDE_5_NG-PLV | 500 | 1.70 | 1.70 | 1.70 | 1.70 | 1.73 | 1.73 | 1.73 | 1.73 |
| NOB | | | | | | | | | |
| SYLMAR_2_NOB | 500 | 1.37 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| Mead | | | | | | | | | |
| MEAD_2_WALC | 230 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| Victorville | | | | | | | | | |
| LUGO_5_VICTVL | 500 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| Sylmar-AC | | | | | | | | | |
| SYLMAR_2_LDWP | 230 | 1.2603 | 1.2603 | 1.2603 | 1.2603 | 1.2603 | 1.2603 | 1.2604 | 1.2604 |

Table 2: Wheeling Access Charge for "Single PTO-Owned" Scheduling Points

| PTO | Scheduling Points | Voltage Level (kV) | Voltage Designation | HV Wheeling Access Rate (\$/MWh) | LV Wheeling Access Rate (\$/MWh) | Effective Dates |
|-------|-------------------|--------------------|---------------------|----------------------------------|----------------------------------|---------------------|
| SCE | DEVERS_2_COCHLA | 230 | HV | 1.5500 | --- | 01/01/01 – 10/31/01 |
| | ELDORD_5_MCLLGH | 500 | | 1.5600 | --- | 11/01/01 – 12/31/01 |
| | ELDORD_5_MOENKP | 500 | | 1.2603 | --- | 01/01/02 – 06/30/02 |
| | ELDORD_5_PSUEDO | 500 | | 1.2604 | --- | 07/01/02 – 08/31/02 |
| | FCORNR_5_PSUEDO | 500 | | | | |
| | MIRAGE_2_COCHLA | 230 | | | | |
| | MOENKO_5_PSUEDO | 500 | | | | |
| | MOHAVE_5_500KV | 500 | | | | |
| | MRCHNT_2_ELDORD | 230 | | | | |
| | PARKR_2_GENE | 230 | | | | |
| | BLYTHE_1_WALC | 161 | LV | 1.5500 | 1.7300 | 01/1/01 – 10/31/01 |
| | INYOS_2_LDWP | 115 | | 1.5600 | 1.7400 | 11/01/01 – 12/30/01 |
| | MOHAVE_6_69KV | 69 | | 1.2603 | .2200 | 01/01/02 – 06/30/02 |
| | SLVRPK_7_SPP | 55 | | 1.2604 | .2200 | 07/01/02 – 08/31/02 |
| PG&E | ELVRTA_2_ELVRTW | 230 | HV | 1.2900 | --- | 01/01/01 – 05/05/01 |
| | HURLEY_2_WAPA | 230 | | 1.4000 | | 05/06/01 – 12/31/01 |
| | RANCHO_2_BELOTA | 230 | | 1.4097 | | 01/01/02 – 06/30/02 |
| | LAKE_2_GOLDHL | 230 | | 1.4115 | | 07/01/02 – 08/31/02 |
| | LAKE_2_V200LD | 230 | | | | |
| | WESTLY_2_V200LD | 230 | | | | |
| | CASCAD_1_CRAGVW | 115 | LV | 1.2900 | 1.7200 | 01/01/01 – 05/05/01 |
| | SUMITM_1_SPP | 115 | | 1.4000 | 1.9100 | 05/06/01 - 12/31/01 |
| | MARITM_1_V100LD | | | 1.4097 | 2.2654 | 01/01/02 – 6/30/02 |
| | WESTWD_2_LMUD | | | 1.4115 | 2.2654 | 07/01/02 – 08/31/02 |
| SDG&E | IVALLY_2_23050 | 230 | HV | 1.9200 | --- | 01/01/01 - 5/05/01 |
| | IVALLY_2_230S | 230 | | 1.9300 | | 05/06/01 - 12/31/01 |
| | TJUANA_2_23040 | 230 | | 2.1954 | | 01/01/02 – 06/30/02 |
| | | | | 2.1971 | | 07/01/02 – 08/31/02 |
| | NGILA_5_NG4 | 69 | LV | 1.9200 | 2.8400 | 01/01/01 - 05/05/01 |
| | | | | 1.9300 | 2.8400 | 05/06/01 - 12/31/01 |
| | | | | 2.1954 | 2.7520 | 01/01/02 – 06/30/02 |
| | | | | 2.1971 | 2.7711 | 07/01/02 – 08/31/02 |

Table 3: Wheeling Access Charge for SCE Take Out Points Interconnecting Non-PTOs Within ISO Control Area to the ISO Controlled Grid

| PTO | HV Wheeling Access Rate (\$/MWh) | LV Wheeling Access Rate (\$/MWh) | Effective Dates |
|-----|----------------------------------|----------------------------------|------------------------|
| SCE | 1.5500 | 1.7300 | 1/1/2001 – 5/05/2001 |
| | 1.5500 | 1.7300 | 5/6/2001 – 10/31/2001 |
| | 1.5600 | 1.7400 | 11/1/2001 - 12/31/2001 |
| | 1.2603 | .2200 | 01/01/02 – 06/30/02 |
| | 1.2604 | .2200 | 07/01/02 – 08/31/02 |

| PTO | NON-PTO | TAKE-OUT POINT | Voltage (kV) | Voltage Level Designation |
|-----|------------|---------------------------|--------------|---------------------------|
| SCE | Anaheim | Lewis | 230 | HV |
| | Anza | Vista | 230 | HV |
| | APS Cities | Blythe | 161 | LV |
| | Azusa | Rio Hondo | 230 | HV |
| | Banning | Garnet | 115 | LV |
| | CDWR | Bailey | 66 | LV |
| | | Eldorado | 500 | HV |
| | | Midway | 500 | HV |
| | | Pardee | 230 | HV |
| | | Songs | 230 | HV |
| | | Sylmar | 500 | HV |
| | | Vincent | 500 | HV |
| | | Vista | 230 | HV |
| | Colton | Vista | 230 | HV |
| | MSR | Victorville/Lugo Midpoint | 500 | HV |
| | | Midway | 500 | HV |
| | MWD | Etiwanda | 230 | HV |
| | | Vincent | 500 | HV |
| | Pasadena | Goodrich | 230 | HV |
| | Riverside | Vista | 230 | HV |
| | SoCal | Vista | 230 | HV |
| | Water | Victor | 115 | LV |

Table 4: Wheeling Access Charge for PG&E Take Out Points Interconnecting Non-PTOs Within ISO Control Area to the ISO Controlled Grid

| PTO | HV Wheeling Access Rate (\$/MWh) | LV Wheeling Access Rate (\$/MWh) | Effective Dates |
|------|----------------------------------|----------------------------------|------------------------|
| PG&E | 1.2900 | 1.7200 | 1/1/2001 – 5/05/2001 |
| | 1.4000 | 1.9100 | 5/6/2001 – 10/31/2001 |
| | 1.4000 | 1.9100 | 11/1/2001 – 12/31/2001 |
| | 1.4097 | 2.2654 | 01/01/02 – 06/30/02 |
| | 1.4115 | 2.2654 | 07/01/02 – 08/31/02 |

| PTO | Interconnection with Non PTO | Take Out Point Within CAISO Grid | Voltage Level Designation |
|------|--|--|---------------------------|
| PG&E | California Department of Water Resources | 1. Table Mountain Substation: Oroville-Thermalito-Table Mountain Nos. 1, 2 & 3 (230kV lines) | HV |
| | | 2. Geysers Power Plant: Bottle Rock Tap off Geysers-Fulton No. 2 (230 kV line) | HV |
| | | 3. Barker Slough Pumping Plant: Barker Slough Tap off Brighton-Davis (115 kV line) | LV |
| | | 4. Cordelia Pumping Plant: Cordelia No. 2 (60 kV tap) | LV |
| | | 5. Interim Cordelia Pumping Plant: Cordelia No. 1 (60 kV tap) | LV |
| | | 6. Delta (Harvey O. Banks Pumping Plant): Delta Substation off Contra Costa-Tesla No. 2 (230 kV line) | HV |
| | | 7. South Bay Pumping Plant: Herdlyn-Livermore (60 kV line tap) | LV |
| | | 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 (230 kV line) | HV |
| | | 9. San Luis (Gianelli) Pump/Generation: Double circuit connected to Los Banos (230 kV bus) | HV |
| | | 10. Dos Amigos Pumping Plant: Tesla-Midway No. 2 (230 kV line), Los Banos Panoche section | HV |
| | | 11. Pine Flat Power Plant: 230 kV tap off Balch-McCall (230 kV) | HV |
| | | 12. Las Perillas Pumping Plant: Las Perillas 70 kV tap off Arco-Tulare Lake (70 kV) | LV |
| | | 13. Badger Hill Pumping Plant: Badger Hill 70 kV tap off Arco-Tulare Lake (70 kV) | LV |
| | | 14. Midway – Wheeler Ridge 230 kV 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: <ul style="list-style-type: none"> • Buena Vista Pumping Plant: Buena Vista Nos. 1 & 2 (230 kV) • Wheeler Ridge Pumping Plant: Wheeler Ridge Nos. 1 & 2 (230 kV) • Chrisman (Wind Gap) Pumping Plant: Wind Gap Nos. 1 & 2 (230 kV) | HV |
| | | 15. Midway Substation | HV |
| | | 16. Coastal Branch Plants (Devil’s Den, Bluestone, and Polonio Pass) all tapped off the 70kV Arco-Polonio line. | LV |

Table 4: Wheeling Access Charge for Take Out Points Interconnecting Non-PTOs Within ISO Control Area to the ISO Controlled Grid

| PTO | Interconnection with Non PTO | Take Out Point Within CAISO Grid | Voltage Level Designation |
|---|---|---|----------------------------------|
| PG&E | Central California Power Agency | Geysers - Fulton No. 1 and No. 2 (230 kV) | HV |
| | City and County of San Francisco | 1. Moccasin - Newark No. 1 (115 kV) | LV |
| | | 2. Moccasin - Newark No. 2 (115 kV) | LV |
| | | 3. Bellota - Gregg No. 2 at Warnerville Substation (230 kV) | HV |
| | City of Redding | Tracy (230 kV) | HV |
| | City of Shasta Lake | Tracy (230 kV) | HV |
| | City of Santa Clara | 1. Newark - Scott No. 1 (115 kV) | LV |
| | | 2. Newark - Scott No. 2 (115 kV) | LV |
| | | 3. Newark - Kifer (115 kV) | LV |
| | | 4. San Jose B - Kifer (115 kV) | LV |
| | Lassen Municipal Utility District | Westwood (60 kV) | LV |
| | Modesto Irrigation District | Westley (230 kV) | HV |
| | Northern California Power Agency | 1. Westley (230 kV) | HV |
| | | 2. Tracy (230 kV) | HV |
| | | 3. Scott (115 kV) | LV |
| 4. Kifer (115 kV) | | LV | |
| 5. Lompoc Substation (115 kV) | | LV | |
| 6. Palo Alto Subst. (115 kV) | | LV | |
| 7. Ukiah Subst. (115 kV) | | LV | |
| 8. Station C (115 kV) | | LV | |
| 9. Station J (115 kV) | | LV | |
| 10. Industrial Subst. (60 kV) | | LV | |
| 11. Quincy Subst. (60 kV) | | LV | |
| 12. Biggs Subst. (60 kV) | | LV | |
| 13. Gridley Subst. (60 kV) | | LV | |
| 14. Healdsburg Subst. (60 kV) | | LV | |
| Port of Oakland | Delivery Point SS-1 in Oakland. The 12 kV service is supplied from PG&E's Edos Substation | LV | |
| Sacramento Municipal Utility District *EFFECTIVE FROM APRIL 98 THRU JUNE 17 2002 | 1. Gold Hill - Lake (230 kV) | HV | |
| | 2. Bellota No. 1 - Rancho Seco (230 kV) | HV | |
| | 3. Bellota No. 2 - Rancho Seco (230 kV) | HV | |
| PG&E | Shelter Cove Resort Improvement District | PG&E's Garberville 1102 Circuit in Humboldt County (12 kV) | LV |
| | Turlock Irrigation District | Westley (230 kV) | HV |
| | Western Area Power Administration | 1. Cottonwood Substation (230 kV) | HV |
| | | 2. Tracy Substation (69 kV) (230 kV) | LV HV |
| | | 3. New Melones (230 kV) | HV |
| 4. O'Neill (230 kV) | | HV | |