

REVISED PROCEDURE
6/29/99

How to Submit Wheeling Transaction Data for Non-PTO Loads within the ISO Control Area

Scheduling Coordinators wheeling energy to Non-Participating Transmission Owners (Non-PTOs) above the Non-PTO's existing transmission contract limits **on any given path*** must submit these scheduled transactions to the ISO on a monthly basis for each interconnection point between the ISO and the Non-PTO(s) (Refer to ISO tariff amendment 4, section 7.1.4.4). A list of Non-PTO take-out points and the associated wheeling access charges is posted on the ISO web site (www.caiso.com, *Client Services, Settlements*).

Data on Wheeling transactions to Non-PTOs within the ISO control area must be e-mailed to the ISO at **wheeling@caiso.com** within 5 days after the end of the calendar month to which the relevant trading days relate. Wheeling transactions should be calculated as shown in Attachment 2 and the data formatted as shown below. Please email this data to the ISO in an attached CSV or Excel file.

Please submit wheeling transaction data as shown in this example in a CSV or Excel file using the following format:

| SC | Interconnection with Non-PTO (See Attachment 1) | Operating Month | Take-Out Point (See Attachment 1) | Monthly Wheeling Volume subject to Wheeling Charges (See Attachment 2) (MWh) |
|------|-------------------------------------------------|-----------------|---------------------------------------------|------------------------------------------------------------------------------|
| PGAE | City of Santa Clara | April 1998 | Newark-Kifer (230kV) | 4,100 |
| PGAE | MID | April 1998 | Westley | 20,500 |
| PGAE | California Department of Water Resources | April 1988 | Dos Amigos Pumping Plant: Tesla-Midway No.2 | 20 |

If e-mail is not functioning, please send the above data on a diskette via overnight carrier to:

Attention: Settlements – Romney Ryan
California ISO
151 Blue Ravine Road
Folsom, CA 95630

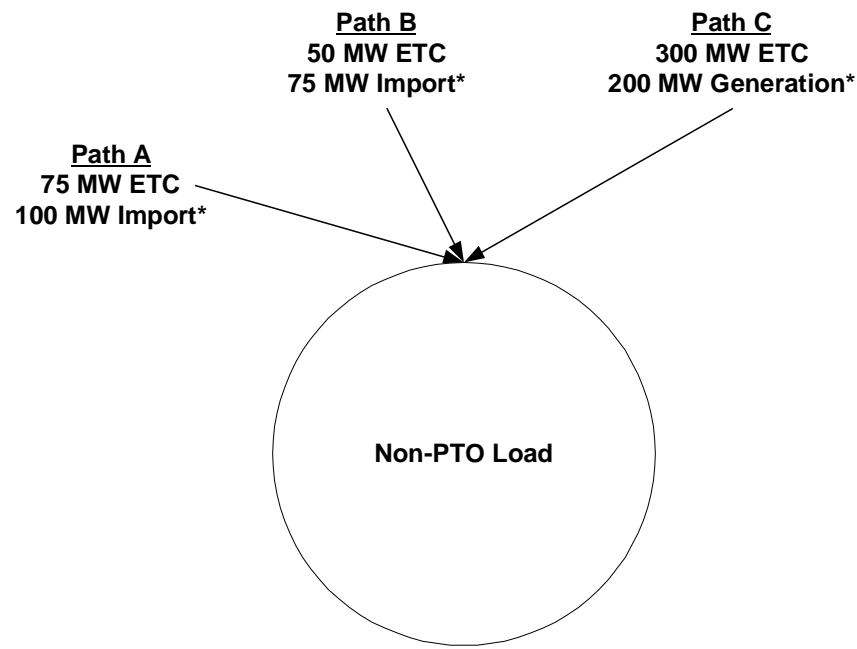
Please note: Wheeling Access Charges under this procedure do not apply to SC-to-SC trades. Only the SC directly scheduling the Non-PTO load is required to provide the wheeling data to the ISO.

* Some existing contracts are not path specific, but are tied to a network of paths that serve the Non-PTO. In this case, only submit wheeling volumes to the ISO that exceed the Non-PTOs existing contract amount on the network in a given trading interval.

Non-PTO Wheeling Transaction Calculation

- For each trading interval (24/day), wheeling charges apply if a SC's wheeling transactions to a Non-PTO load exceed the Non-PTO's Existing Transmission Contract Capacity on a given path. For example, if a Non-PTO has rights on three paths, the SC must evaluate each path separately by subtracting the total volume wheeled to the Non-PTO from the Non-PTO's rights under an Existing Transmission Contract (ETC). The remaining value is the volume wheeled under New Firm Uses (NFU) and is subject to wheeling charges.

For a given trade interval:



*Each Import and Generation Schedule is tied to a Contract Reference Number
ETC = Existing Transmission Contract

| | Wheeling Volume (MW) | ETC (MW) | New Firm Uses (MW) |
|---------------|-------------------------|-------------|------------------------------|
| | A | B | A - B if A>B; otherwise 0 |
| Path A | 100 | 75 | 25 |
| Path B | 75 | 50 | 25 |
| Path C | 200 | 300 | 0 |

Total: 50 MW

Wheeling Volume Subject to Wheeling Charges in this Trade Interval

ATTACHMENT 1

- For each day of the calendar month, for each Non-PTO interconnection point, and for each trading interval, the portion of Non-PTO load subject to wheeling charges must be calculated and summed by path. Below is an example calculation for a single day on a single path:

| DAY 1; PATH A | Trading Interval | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|------|------|------|----------|-----|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | ... 2400 | SUM |
| Wheeling Volume to Non-PTO Load; (MW- Path A) (A) | 150 | 150 | 130 | 120 | 150 | 170 | 200 | 220 | 250 | 250 | 160 | |
| Existing Transmission Contract Capacity; (MW- Path A) (B) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | |
| Difference Between Scheduled Load and ETC Rights = New Firm Uses; (MW- Path A) (A) – (B) if A > B, otherwise 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 50 | 50 | 0 | 120 |

Daily Wheeling Volume
Subject to Wheeling
Charges on Path A

- For each Non-PTO interconnection point, sum all of the daily Wheeling Volumes subject to Wheeling Charges for the calendar month for each path and e-mail this data in an attachment to the ISO (as shown below):

| SC | Interconnection with Non-PTO (See Attachment 1) | Operating Month | Take-Out Point (See Attachment 1) | Monthly Wheeling Volume subject to Wheeling Charges (See Attachment 2) (MWh) |
|------|----------------------------------------------------|-----------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| PGAE | City of Santa Clara | April 1998 | Newark-Kifer (230kV) | 4,100 |
| PGAE | MID | April 1998 | Westley | 20,500 |
| PGAE | California Department of Water Resources | April 1988 | Dos Amigos Pumping Plant: Tesla-Midway No.2 | 20 |

Submit Monthly
Wheeling Volumes
Subject to
Wheeling Charges
to the ISO for each
Non-PTO
Interconnection
Point