

DRAFT
Operating Protocol for Astoria West Station
Fault Current Mitigation

Background

The normal Astoria West station configuration will be all three (3) units of the NYPA 500MW combined cycle plant and two (2) USPG Astoria steam units. At Con Ed loads higher than 11,800 MW, two (2) USPG Astoria steam units are required for second contingency reliability requirements at the Astoria West station.

This Operating Protocol will minimize the amount of de-committed Day-Ahead Market energy schedules and minimize the amount the de-rated Real-Time Market capability based on energy offers of Astoria West connected generation.

Day-Ahead Market Operation

- 1) The ISO Day-Ahead Market (DAM) will be operated as normal with all available NYPA and NRG generation offers at Astoria West station evaluated.

Real-Time Market Operation

- 1) At all times Con Ed System Operators will be responsible to monitor the Astoria West generation configuration and to notify the NYISO of an over duty breaker situation at Astoria West station.
- 2) At Con Ed loads less than 11,800 MW, no de-commitment or de-rate to Astoria West station generation will be required, pursuant this operating protocol. If all three (3) units of the NYPA 500MW combined cycle plant and two (2) USPG Astoria steam units and the NRG GT10-13 units are scheduled on-line in real-time market operation, one (1) USPG Astoria steam unit will be transferred to the Astoria East station prior to two (2) or more NRG GT10-13 units being synchronized to Astoria West station.
- 3) At the 11,800MW level, where transferring one (1) of the Astoria Steam Units to the East bus is no longer possible, in response to a potential dispatch of more than one of the NRG GT 10-13 units, along with all three (3) units of the NYPA 500MW combined cycle plant and two (2) USPG Astoria steam units, the required amount of de-committed or de-rated generation connected to Astoria West bus will be determined as follows.
 - Based on Day-Ahead Market (DAM) energy bids for the NYPA and NRG generation at the Astoria West generation, the minimum amount of the highest

bid energy suppliers connected to Astoria West bus will be de-committed or de-rated.

- A Transmission Owner de-rate will be used to ensure the Day-Ahead Margin Preservation of de-committed or de-rated generation that was scheduled in the Day-Ahead Market.