

OC approved
September 17, 2009

Interim Operating Protocol for Astoria East and West Stations
Fault Current Mitigation

The purpose of this protocol is to prevent fault current interrupting overduties of five (5) circuit breakers at the Astoria East 138 kV station, and two (2) generator lead circuit breakers at the Astoria West 138 kV station.

Three (3) Astoria Generating Company L.P. steam units (Astoria 3, 4, and 5) have the dual yard capability. When two of these dual yard units are connected to Astoria East, and all Astoria units are running, five (5) breakers (1E, 2E, 3E, 6W, and 7W) at Astoria East are overdutied. When two of these dual yard units (Astoria 3 and 5) are connected to Astoria West, and all Astoria units are running, two (2) generator lead breakers (G5WN and G5WS) at Astoria West are overdutied.

Therefore, to prevent overduty conditions at Astoria East and West, the normal Astoria West station configuration will be all three (3) units of the NYPA 500 MW combined cycle plant, two (2) Astoria Generating Company L.P. dual yard units (Astoria 3 and 4), and the NRG GT 10-13 units, and the normal Astoria East station configuration will be all three (3) units of the Astoria East Energy 500MW combined cycle plant, one (1) Astoria Generating Company L.P. dual yard unit (Astoria 5), the Astoria Generating Company L.P. Astoria 2 unit, and the NRG GT 2, 3, 4, 5, 7 and 8 units, unless for reliability reasons a different configuration for each station is required.

At all times, Con Ed System Operators will be responsible to monitor the Astoria configuration, and notify the NYISO Operators of a potential fault current over duty breaker condition at Astoria East and West.

NYISO will revisit this protocol upon verification of the generator lead breakers being replaced by Astoria Generating Company L.P.