

## *Retirement and Isolation of Fast Start Peaker Units*

*Client: ComEd*

This project involved the retirement and isolation of 19 Fast Start Peaker Units owned and operated independently of ComEd. These units were located at seven different sites. The scope of work included the design and engineering for primary and secondary isolation between ComEd's System and the Generating Facilities owned by an independent operator.

These units utilized a variety of connections into ComEd's Transmission System including taps off of 138kV Lines; direct single-bus, single-breaker connections; direct ring-bus connections; and transformer tertiary connections.

The primary isolation typically included the physical isolation of the high voltage equipment at the 138kV side of the Generator Step-Up Transformers. This was typically the point of demarcation for the units. ComEd owned equipment that required physical isolation included Combination Units for Revenue Metering, Circuit Breakers, Circuit Switchers, and Line Traps. Removal of overhead conductors from dead-end structures to transmission line towers were also included at some sites.

The secondary isolation included the removal of current and voltage sensing circuits that were shared between the entities as well as protective relaying trips that tripped corresponding equipment across the points of demarcation.

This project was successfully completed under a compressed schedule with several schedule revisions in order to accommodate the deadlines of the independent operator.



To learn more, please contact us at:

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