

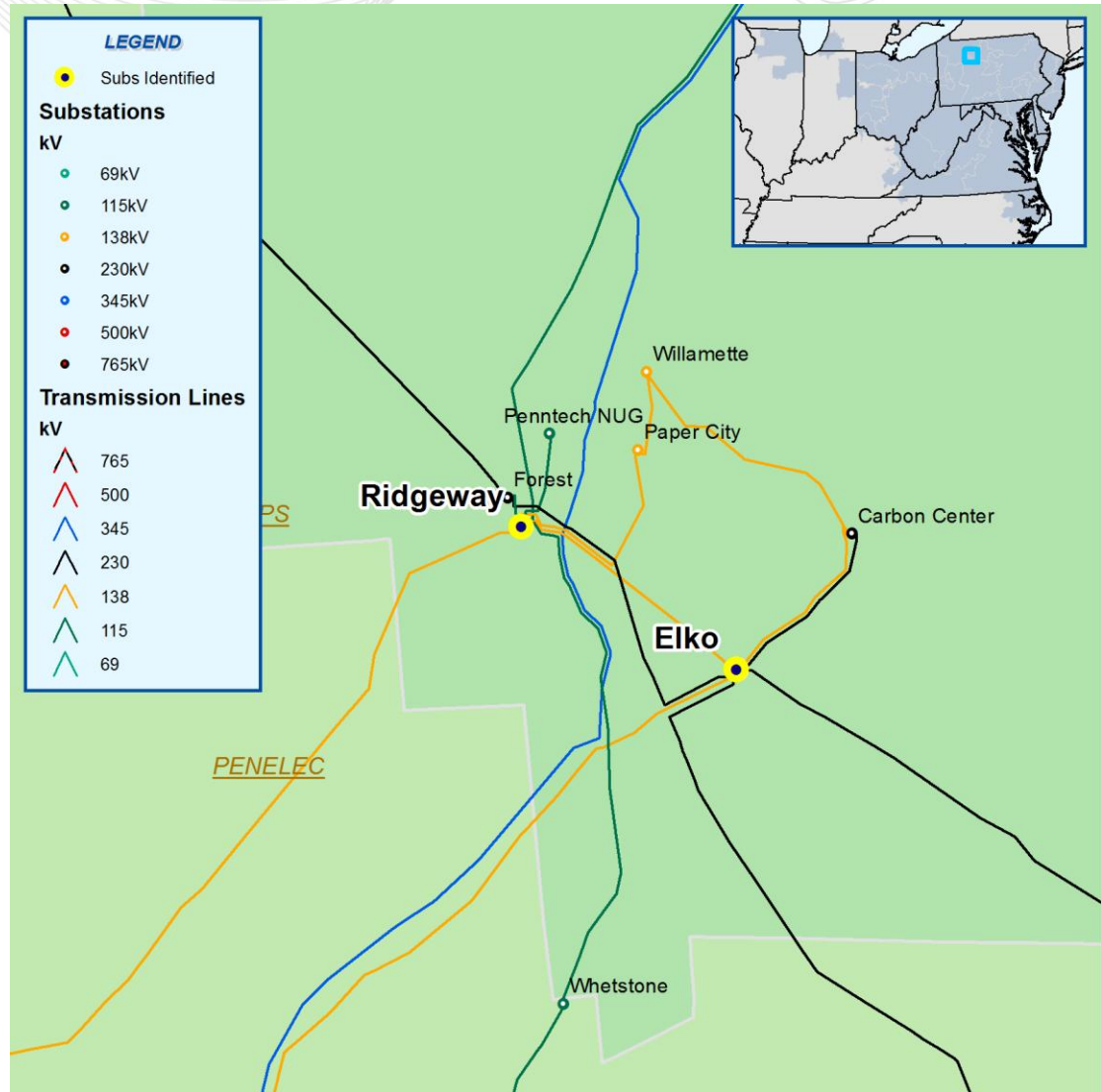
Sub Regional RTEP Committee - Western

March 2, 2011

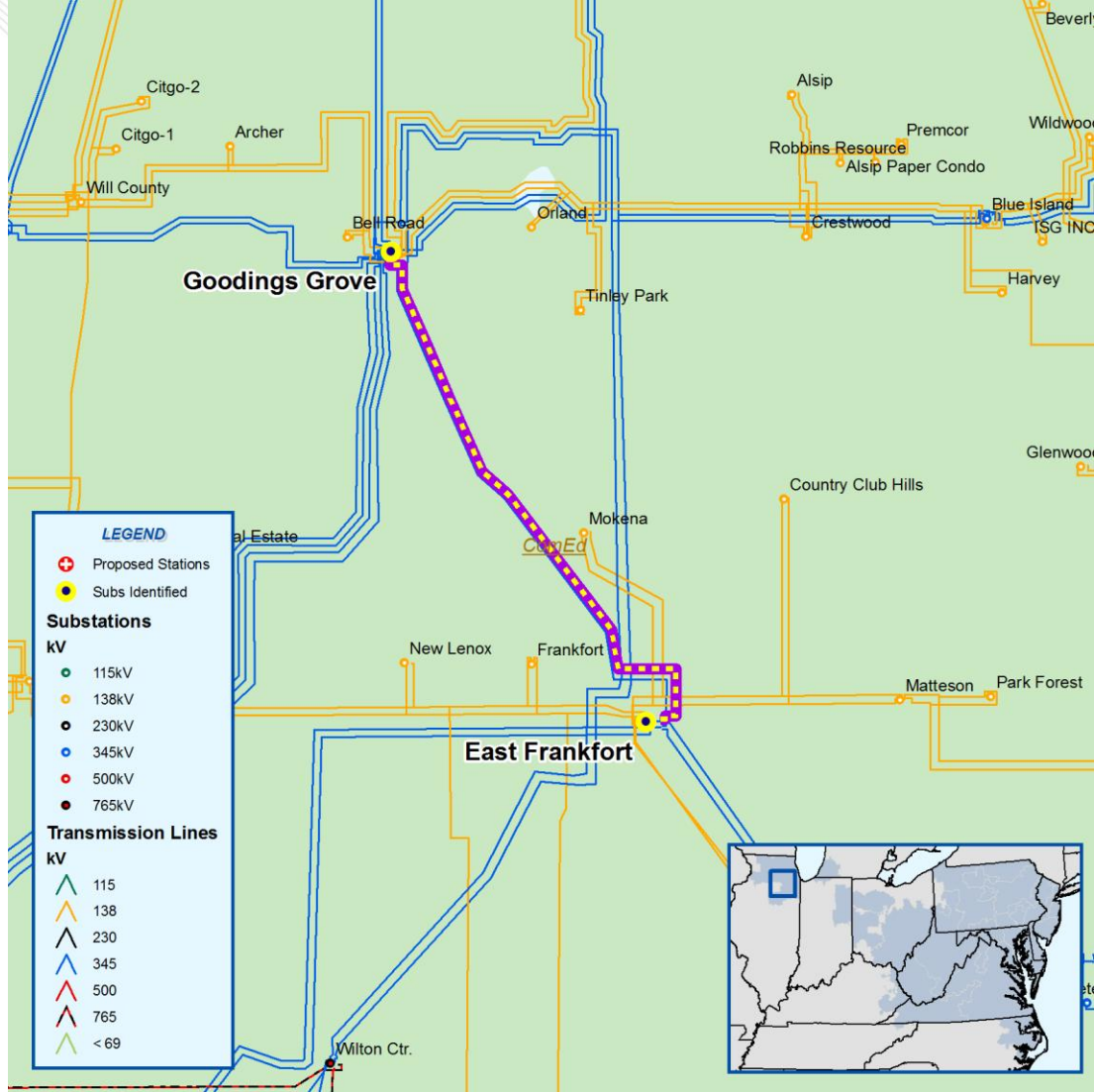


2011 RTEP Baseline Analysis Update

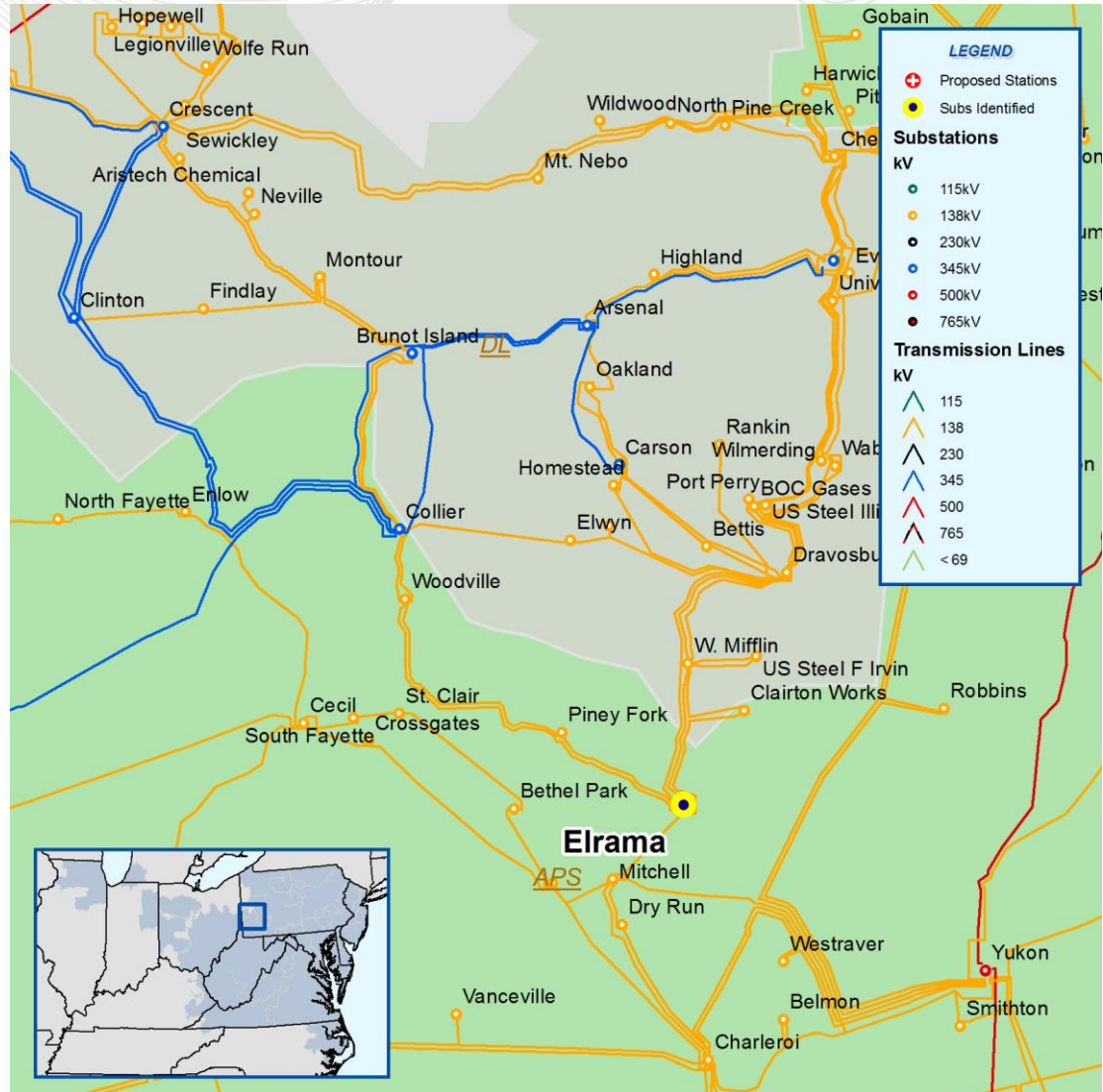
- Update to projects b1239 and b1240
- Existing projects increased Elko and Ridgeway 138 kV capacitors from 33 MVAR to 44 MVAR
- New proposal will increase Elko and Ridgeway capacitors to 52.8 MVAR
- Updated Estimated Project Cost: \$ 1.5 M per project
- Expected IS Date: 6/1/2015



- Baseline upgrades to install a 2nd East Frankfort 345/138 kV autotransformer (B0569.1) and reconductor Country Club Hills – Matteson 138 kV (B0569.2) are replaced with reconductoring the East Frankfort – Goodings Grove 345kV 11601 line (B1300)
- Original Estimated Cost: \$22 M
- New Estimated Cost: \$22 M
- Original Expected IS Date: 6/1/2015
- Updated Expected IS Date: 6/1/2013

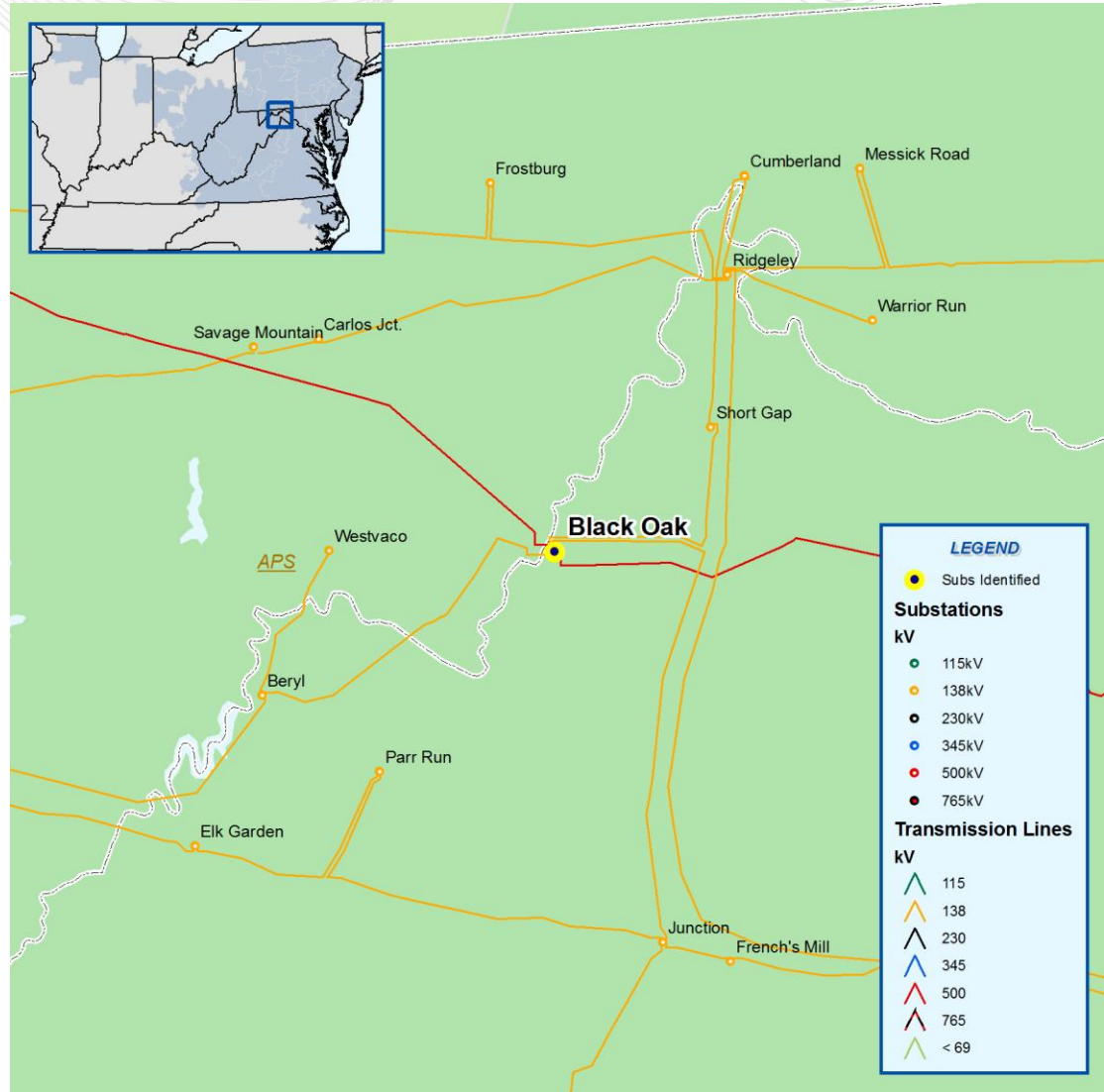


- DLCO plans to retire the 138kV reactor between the Elrama No. 4 and Sync 138kV buses
- The reactor is near end of life and system conditions have changed rendering it ineffective
- The Elrama No. 4 to Sync 138kV bus tie breaker will not be affected and will continue to operate normally closed

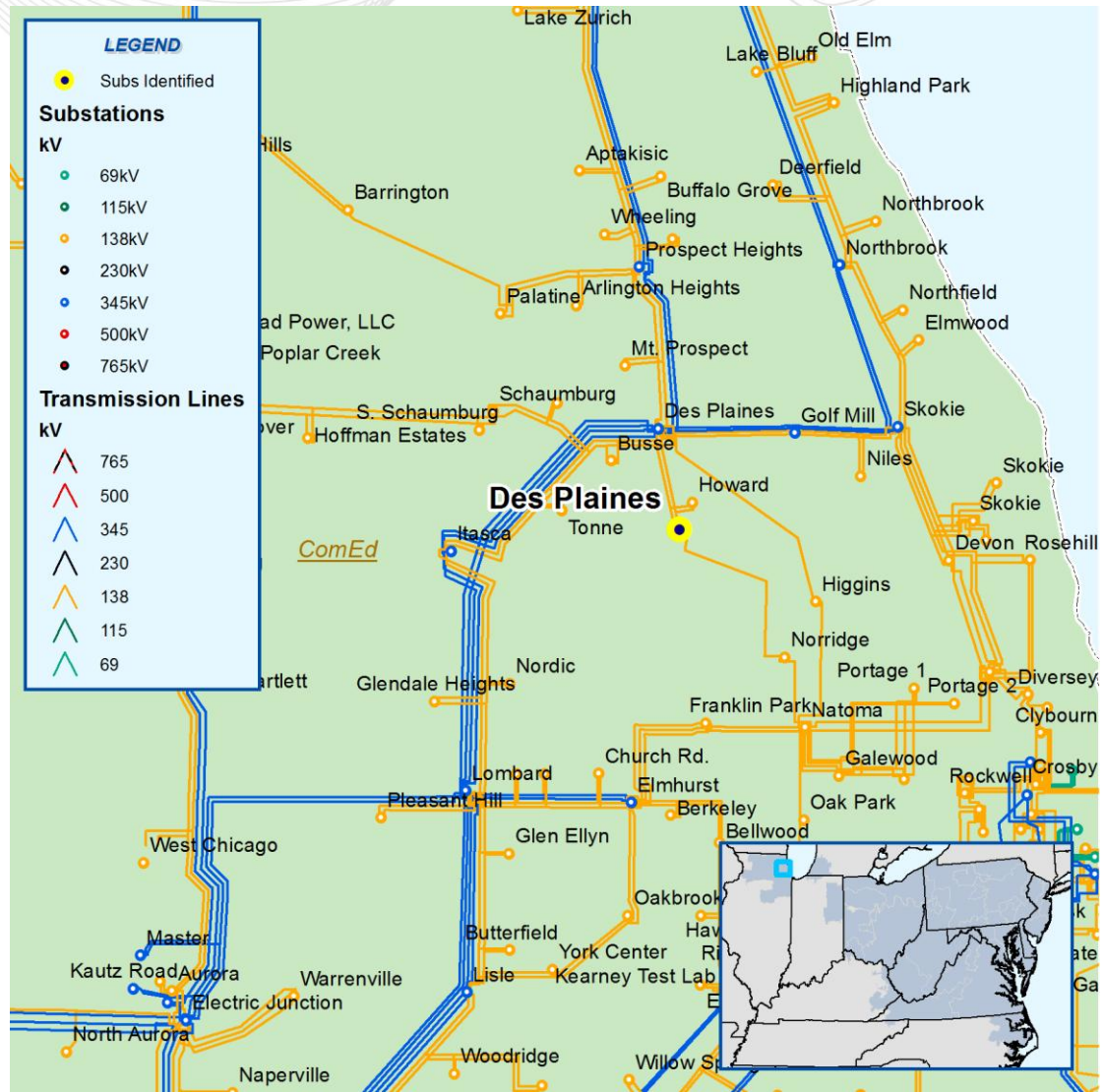


Short Circuit Upgrades

- Update to project b1171.3
- The b1171 project includes installing a new Black Oak 500/138 kV transformer, reconductoring the Albright – Black Oak 138 kV line, and installing six 500 kV breakers at Black Oak.
- The b1171.3 scope will change from six 500 kV breakers at Black Oak to four 500 kV breakers
- Breakers will not be installed on the 500kV side of the Black Oak 500/138 kV transformers



- The Des Plaines 138 kV breaker '46 4610' is overstressed
- Driver: Previous baseline upgrade to normally close 345 kV BT 2-3 at TSS 103 Lisle (b1266)
- Proposed Solution: Revise the reclosing on the DesPlaines 138 kV breaker '46 4610' (b1266.1)
- Estimated Project Cost: \$50 K
- Expected IS Date: 6/1/2015

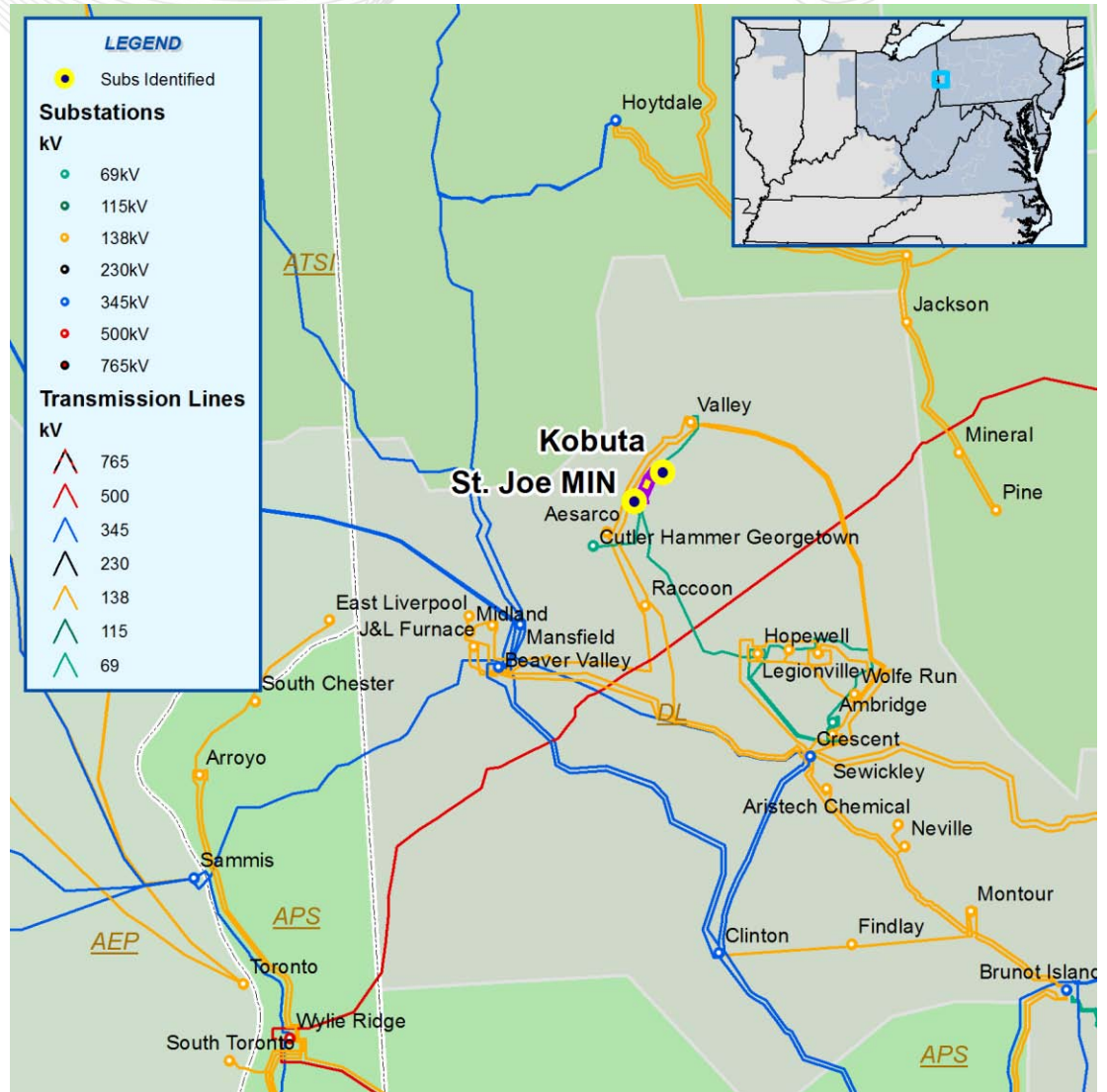


Supplemental Upgrades

- Driver: Correct abnormal configuration
- Connect the Brentwood substation tap to both sets of bifurcated conductors on the Dravosburg Elwyn (Z-70) 138kV circuit (s0278)
- Cost: \$0.05 M
- IS Date : 12/31/2011



- Driver: Aged infrastructure
- Rebuild the St. Joe-Kobuta 69kV circuit (s0279)
- Cost: \$1.85 M
- IS Date : 5/31/2012



- Driver: Aged infrastructure & eliminate single contingency load loss
- Expand Midland substation to a three 138kV buses with two distribution transformers (s0280)
- Cost: \$8.03 M
- IS Date : 12/31/2012

