



RTEP Reliability Analysis Update

TEAC Meeting
March 14, 2007

RTEP Status – 2012 Analysis

- Base Case Development Complete
- Generator Deliverability thermal analysis complete.
- Load Deliverability thermal analysis complete.
- Initial results forwarded to transmission owners.
- Reactive analysis is in progress.
- N-2 Analysis is in progress. Expect to forward initial results to transmission owners within the next week.

RTEP Status – 15 Year Analysis

- Intend to incorporate potential solutions to problems identified in the 2012 analysis
- Expect to perform 15 year analysis with and without potential solutions to problems identified in 2012

RTEP – Result Overview to Date

- Mid-Atlantic load deliverability continues to stress the system
 - Mt.Storm – Doubs and Keystone – Conemaugh and Keystone – Airydale 500 kV circuits at or above conductor limit
- Significant reactive issues associated with Mid-Atlantic and Eastern Mid-Atlantic load deliverability

- Potential Issues
 - Our initial analysis has identified a number of potential issues that we are reviewing with the transmission owners.
 - We'll continue to update the TEAC as our analysis progresses.

- AEP Zone
 - Beatty – Hall Road 138 kV
 - Darrah – Tristate 138 kV
 - Elliot – Postel Tap
 - Greentown 765/138 kV transformer
 - Martinsville – Stockton 138 kV
 - Prep Plant Tap – Conesville
 - Tri State 345/138 kV transformer
 - West Canton – Dale 138 kV
- Dusquene Zone
 - Cheswick – Logan's Ferry 138 kV

- APS Zone
 - Albright – Brandon Junction 138 kV
 - Mahans Lane – Tidd – Weirton 138 kV
 - Mitchell – Shepler Hill 138 kV
 - Necessity – Texas Eastern 138 kV
 - North Union – Texas Eastern 138 kV
 - Roxbury – Greene 138 kV
 - Windsor – Tiltonsville 138 kV

- ComEd Zone
 - Byron - Wempletown 345 kV
 - Cherry Valley 345/138 kV transformer
 - Dresden 345/138 kV transformer
 - East Frankfort – Goodings Grove 345 kV
 - East Frankfort 345/138 kV transformer
 - Elmhurst – Franklin Park 138 kV
 - Glenn Ellen – Lombard 138 kV
 - Lisle – York 138 kV
 - McGir Road – Mendota 138 kV
 - Montgomery – Oswego 138 kV
 - Ridgeland 138/69 kV transformer
 - Rockwell – Humbolt 138 kV
 - Waterman 138 kV

- **JCPL Zone**
 - East Windsor – Smithburg 230 kV
 - Greystone – West Wharton 230 kV
 - Portland – Martins Creek 230 kV
- **Met Ed Zone**
 - Jackson – Baker Tap 115 kV
- **PN Zone**
 - Conemaugh – Airydale 500 kV
 - Keystone – Conemaugh 500 kV
 - Keystone – Airydale 500 kV
 - Blairsville 138/115 kV transformer
 - Warren – Falconer 115 kV
 - Two Mile Run – Farmers Valley 115 kV

- AE Zone
 - Cumberland – Union 138 kV
 - Monroe – Landis Tap 69 kV
 - Sheldalloy – Central North 69 kV
 - Landis Tap – Sheldalloy 69 kV
- Delmarva
 - Indian River – Omar 138 kV
 - Lank – Five Points 69 kV
- PEPCO Zone
 - Pleasant View – Dickerson 230 kV
 - Station H – Quince Orchard “23032” 230 kV

- **Dominion Zone**
 - Lexington – Dooms 500 kV
 - Loudoun 500/230 kV transformers
 - Pleasant View 500/230 kV transformer
 - Endless Caverns 230/115 kV transformer
- **BGE Zone**
 - Sollers Point – Riverside 230 kV
 - Brandon Shores – Hawkins “2344” 230 kV
 - Wagner – Solley 115 kV “34” and “35” circuits
 - Riverside – Riverside Tap 138 kV
 - Deer Park – Deer Park Tap 115 kV
 - Deer Park Tap – West Rock 115 kV
 - Harrison – Granite 115 kV

- **APS / PEPCO**
 - Doubs – Brighton 500 kV
- **APS / PN**
 - South Bend – Keystone 500 kV
- **Dominion / APS**
 - Mt Storm – Doubs 500 kV