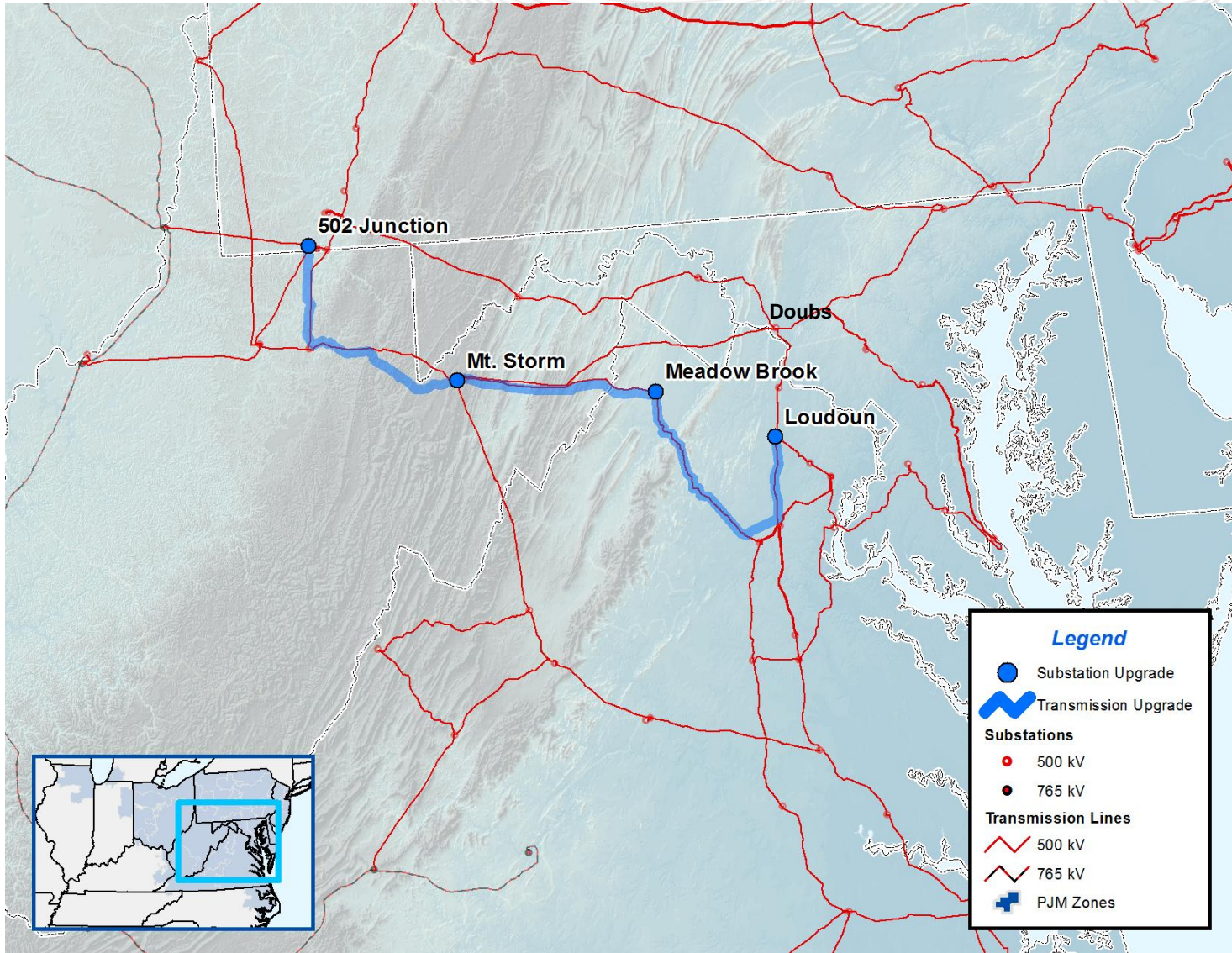


TrAIL Project Impacts to the APSouth IROL

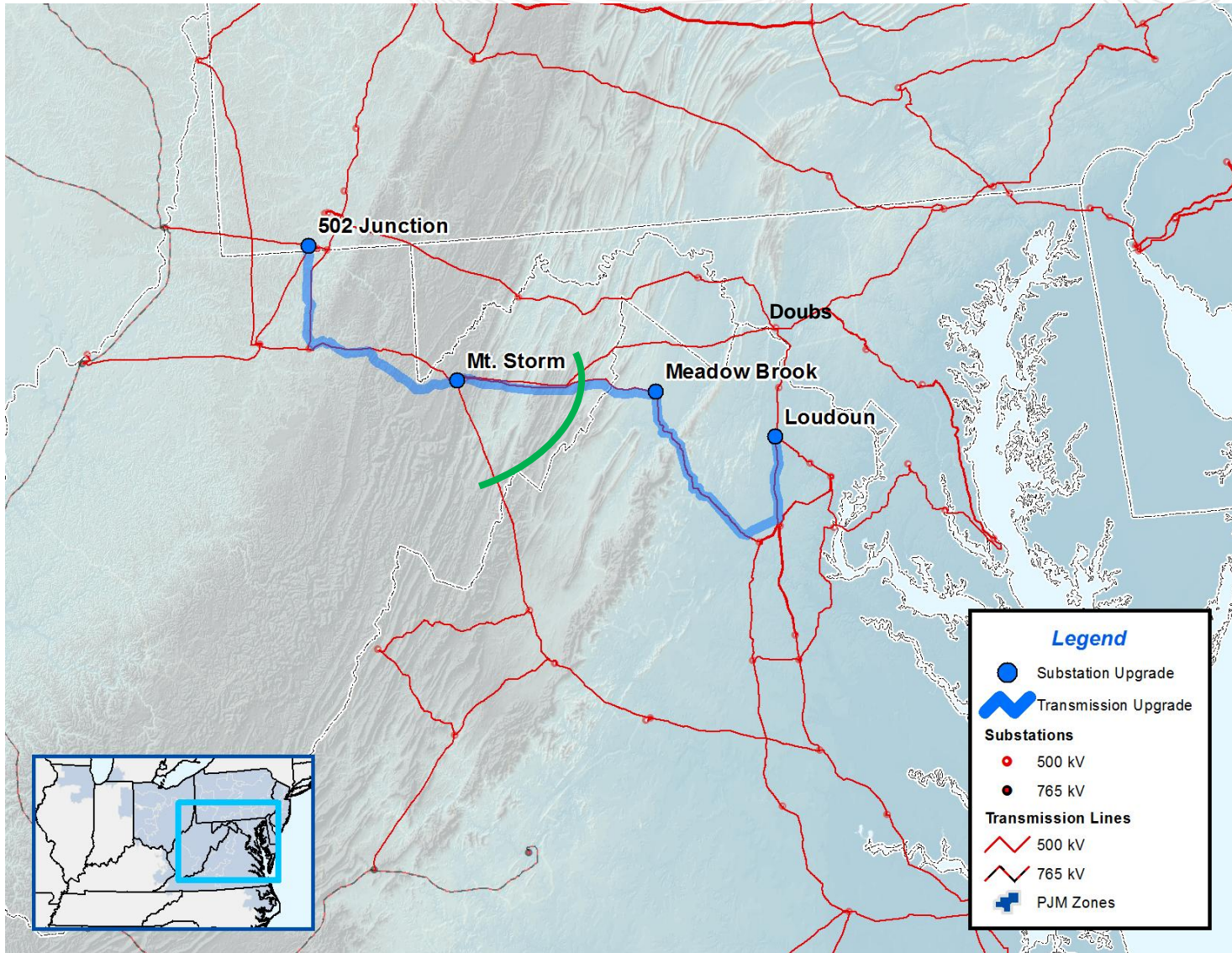
January 2011

- The TrAIL project consists of three new 500kV lines expected to be in-service by June 1, 2011
 - 502 Jct – Mt Storm
 - Mt Storm – Meadow Brook
 - Meadow Brook – Loudoun
- Web page for additional information regarding this and other back bone projects:
 - <http://www.pjm.com/planning/rtep-upgrades-status/backbone-status/trail.aspx>



- **Current APSouth IROL Definition:**
 - 1.) Mt. Storm - Doubs 500kV line
 - 2.) Greenland Gap - Meadow Brook 500kV line
 - 3.) Mt Storm – Valley 500kV line

- **Post TrAIL APSouth IROL Definition:**
 - 1.) Mt. Storm - Doubs 500kV line
 - 2.) Greenland Gap - Meadow Brook 500kV line
 - 3.) Mt Storm – Valley 500kV line
 - 4.) **Mt Storm – Meadow Brook (TrAIL) 500kV line**



- No significant changes to the generator distribution factors from today
 - Units that are lower helps today will be lower helps after TrAIL and the interface changes are implemented
- Impacts to the Reserve Market are currently being reviewed. If any changes are deemed necessary they will be brought through the Stakeholder process.

Impacts of TrAIL to the Interface limits

	Current Configuration				TRAIL in-service				Impact of TRAIL on Interface Margin (limit-flow)	Impact of Trail on Source- Sink Transfer
	Preflow	Prelimit	Limit-Flow	Source-Sink Transfer	Preflow	Prelimit	Limit-Flow	Source-Sink Transfer		
East	4530	6148	1618	3181	4544	6204	1660	3244	42	63
Central	1291	2954	1663	3214	1290	3031	1741	3344	78	130
West	3313	5042	1729	4292	3204	5024	1820	4547	91	255
Bed-Bla	1463	2034	571	6144	1226	1809	583	6818	12	674
AP South	2933	3658	725	4383	3529	4797	1268	5408	543	1025
50045005	1859	2615	756	3224	1766	2526	760	3233	4	9
BCPEP	3021	5675	2654	2596	3021	5734	2713	2654	59	58
AEPDOM	2916	4259	1343	5526	2773	4139	1366	5936	23	410

Questions?