



Transmission Expansion Advisory Committee New Services Queue Update

December 3, 2015



Network Upgrades

07/01/2014 – 08/01/2015

Upgrade ID	Description	Cost Estimate	Driver
n3038	Remote end work at Dunkirk. Replace relay.	0.276	U1-059
n3039	Remote end work at East Lima. Replace relay.	0.264	U1-059
n3961	Install 345kV revenue metering at new switchyard.	2.29	Y2-050
n3962	Remote end work at Canton Central Station.	0.06	Y2-050
n3963	Remote end relay work at Tidd Station.	0.06	Y2-050
n4323	Loop the Dumont - Sorenson 345 kV line into the new Eldeberry Substation pending the results of the AEP Sag Study.	5	X2-052

Upgrade ID	Description	Cost Estimate	Driver
n3508	Replace the Ridgeley 'A' 34.5kV breaker.	0.1	U2-073

Upgrade ID	Description	Cost Estimate	Driver
n4173	Un-six wire the existing Greenfield – Lakeview 138 kV line and Lakeview – Ottawa 138 kV line, and reconductor with 336 kcmil ACSS to create a new Greenfield 138 kV line in order to accommodate the new line.	26.7177	Z1-070

Upgrade ID	Description	Cost Estimate	Driver
n2180	Install breaker position, breaker, relaying, disconnect switches and metering at Kings Creek sub.	0.761903	R52A

Upgrade ID	Description	Cost Estimate	Driver
n4251.14	Install 3 current limiting reactors at Todhunter 138kV substation.	1.091	Z1-079
n4324	Replace 138 kV disconnect switch 866 in Pierce Substation with a 3000 Ampere rated switch.	0.075466	Y3-064
n4325	Replace 138 kV circuit breaker 922 in Beckjord Substation with a 3000 Ampere rated breaker.	0.398998	Y3-064

Upgrade ID	Description	Cost Estimate	Driver
n3027	Construct Attachment Line to Customer Wind Farm Bus.	0.41	W1-029
n3028	Create 3 breaker ring bus substation to be name SWAMP at Interconnection Customer Property along Winfall - Suffolk 230 kV line.	2.93	W1-029
n3029	Build necessary 230 kV transmission lines to loop in and out the Winfall - Suffolk 230 kV line to new Swamp substation.	0.53	W1-029
n3030	Purchase and install dual (2) SEL 421-5 transmission panel.	0.1	W1-029
n3031	Purchase and install dual (2) SEL 421-5 transmission panel.	0.1	W1-029
n3670	Replace six poles, add two poles and upgrade approximately one mile of OH conductor to 477 aluminum.	0.24	Y1-086

Upgrade ID	Description	Cost Estimate	Driver
n3001	A riser pole will be on the west side of Route 33 and tap the existing three phase with new conductors from pole #JC 87-1 MPNA53. 12kV primary metering will be installed at the riser pole.	0.057871	W1-032
n3647	Install current limiting reactors at Raritan River Substation on the Neptune Line.	2.28	W4-009

Upgrade ID	Description	Cost Estimate	Driver
n3678	Install two breakers (13H and 23H) on the high side of two 230/138kV autotransformers.	3	T107