



Appendix B

Collaborative Transmission Plan Major Project Listing

January 25, 2007

Collaborative Transmission Plan – Major Project Listing (Estimated Cost > \$10M)							
Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Planned In-Service Date	Estimated Cost (\$M)	Estimated Time to Complete (Years)
0001	Marion-Whiteville 230 kV Line, Establish a new 230 kV line initially operated at 115 kV	Address loading on Marion-Whiteville 115 kV	Underway	Progress	6/1/2007	\$11	0.5
0002	Lee Sub-Wommack 230 kV South Line, Reconductor existing line	Address loading on Lee-Wommack 230 kV South Line	Underway	Progress	5/1/2008	\$13	1.5
0003	Durham 500 kV Sub, Establish 500 kV at Durham & loop-in the Mayo Plant-Wake 500 kV Line	Address loading on Wake 500/230 kV transformers	Underway	Progress	6/1/2008	\$31	1.5
0004	Clinton-Lee 230 kV Line, Construct new line	Address loading on Clinton-Vander 115 kV line & Lee Sub-Wallace 115 kV Line	Underway	Progress	6/1/2009	\$21	2.5
0005	Rockingham-West End 230 kV Line, Construct Wadesboro Bowman School 230 kV Tap & uprate the portion between the tap & Rockingham 230 kV Sub	Address loading on Rockingham-Blewett-Tillery 115 kV corridor	Underway	Progress	6/1/2009	\$13	2.5
0006	Cape Fear-Siler City 230 kV Line, Construct new 230 kV line	Address voltage in the Asheboro area	Underway	Progress	6/1/2010	\$19	2.0
0007	Richmond 500 kV Substation, Install 500 kV series reactor in Richmond-Newport 500 kV Line	Address large post contingency phase angle differences at times of high 500 kV flow	Planned	Progress	6/1/2010	\$15	3.5
0008	Greenville-Kinston Dupont 230 kV Line, Construct new 230 kV line	Address loading on Greenville-Everetts 230 kV Line	Underway	Progress	6/1/2011	\$18	4.0
0009	Henderson-Kerr Dam 115 kV Line, Construct new Warrenton 115 kV Tap & add line switches providing alternate service to Warrenton area	Address voltage in Warrenton area	Underway	Progress	6/1/2011	\$10	4.0
0010	Rockingham-West End 230 kV East Line, Construct new 230 kV line	Address loading on Rockingham-West End 230 kV Line	Underway	Progress	6/1/2011	\$33	4.5

Collaborative Transmission Plan (Continued) – Major Project Listing (Estimated Cost > \$10M)							
Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Planned In-Service Date	Estimated Cost (\$M)	Estimated Time to Complete (Years)
0011	Asheville-Enka 230 kV Line, Construct new 230 kV line & establish 230 kV at Enka 115 kV	Address Asheville 230 kV transformer loading	Planned	Progress	12/1/2011	\$15	5.0
0012	Buck-Asheboro 230 kV Line, Construct new 230 kV interconnection	Address loadings on Badin-Tillery-Biscoe-Asheboro 115 kV corridor and Rockingham-Lilesville 230 kV Lines. Delays need for Cape Fear-Siler City 230 kV line and Harris-Durham 230 kV line.	Planned	Progress & Duke	6/1/2014	\$40	4.5
0013	Replace Antioch 500/230 kV transformers #1 & #2	Contingency loading of the remaining Antioch bank on loss of the parallel bank	Planned	Duke	6/1/2014	\$30	5.0
0014	Reconductor London Creek 230 kV Lines (Peach Valley-Riverview #1 & #2)	Contingency loading of the remaining line on loss of the parallel line when an Oconee unit is off line	Planned	Duke	6/1/2015	\$25	3.0
0015	Harris-Durham 230 kV Line	Address loading on Cary Regency Park-Durham 230 kV Line	Underway	Progress	6/1/2016	\$88	4.5
0016	Wake 500 kV Sub, Install #3 500/230 kV Bank	Address loading on banks #1 & #2	Planned	Progress	6/1/2016	\$21	4.0

¹Status:

Underway: Projects with this status range from the Transmission Owner having some money in its current year budget for the project to the Transmission Owner having completed some construction activities for the project.

Planned: Projects with this status do not have money in the Transmission Owner's current year budget; and the project is subject to change.