



Dominion[®]

Electric

Transmission

Long Term

Plan

October 2007

DISCLAIMER

The Long Term Plan includes the large capital projects currently under consideration. Small projects, maintenance projects and short-duration projects may not be included. The plan may be revised with changing system conditions without notice and at the company's sole discretion or as required by PJM's Regional Transmission Expansion Planning Process (RTEPP). The Long Term Plan will be updated annually.

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Richmond- Shenandoah Region – Transmission Plan

May 2008	Line #2 Uprate (including Culpeper Tap)	99-2189
May 2008	Add a 2nd Poe 230-115 kV Autotransformer	99-2100
May 2008	Sherwood 115 kV Capacitor Bank	99-2172
May 2008	Line #97 Uprate (Poe - Ft Lee)	99-2060
May 2008	Line #118 Rebuild	99-2061
Nov 2008	Old Church - Chickahominy 230kV ROW	99-1876
May 2009	Bristers-Gainesville 230 kV Line & 500-230 kV AutoTX	99-2131
May 2009	Varinia Substation	99-2188
May 2009	Elko Substation	99-2126
May 2009	Garrisonville 230 kV Line (Loop Line #252)	99-2129
May 2009	Gordonsville 230-115 kV Tx Upgrade	99-2182
May 2009	Line #128 Endless Caverns - Mt Jackson Uprate	99-2091
May 2009	2nd Endless Caverns 230-115 kV Tx	99-2216
Nov 2009	Chickahominy-Old Church 230 kV Line	99-1929
May 2010	2nd 230 kV Line Harrisonburg to Valley	99-2108
May 2010	New 230 kV Line between Chickahominy - Lanexa Sub.	99-2062
May 2010	SVC Installation	99-2226
May 2010	Judes Ferry 230 kV Substation	99-2252
May 2010	Elmont 2nd 230 – 115 kV Transformer	99-2247
May 2011	Bremo 115 kV, 33 MVar Capacitor Bank	99-2173
May 2011	Line #69 Uprate	99-2203

Richmond- Shenandoah Region – Transmission Plan

May 2011	Rockville Substation	99-2187
May 2011	Uprate Line #208 (Iron Bridge - Southwest)	99-2190
May 2012	Dupont-Waynesboro- 115kV Cap. Bank	99-1956
May 2012	Northwest 230 kV Capacitor Bank	99-2223
May 2012	Somerset 115 kV Capacitor Bank	99-2224
May 2012	Upgrade Line #17 and Line #88	99-2232
May 2013	Upgrade Line #91 & 91A	99-2234
May 2014	Re-Sag Line #222 (Southwest - River Rd)	99-2042
May 2014	Chancellor 2nd 500-115 kV Tx	99-2231
May 2014	Harrisonburg - Merck 230 kV Line	99-2115
May 2014	Dooms – Dupont-Waynesboro 2nd 115 kV Line	99-2246
May 2016	Midlothian - Chesterfield 230 kV Line	99-2198

Hampton Roads & Peninsula Region – Transmission Plan

May 2008	Union Camp - Install 115 kV Capacitor Bank	99-2153
May 2008	Grassfield Substation and a circuit	99-2124
May 2009	Greenwich - Install 230 kV capacitor bank	99-2151
May 2009	Landstown Substation - 230 kV Capacitor Bank	99-2056
May 2009	Line # 165 Uprate Shellbank-Whealton	99-2155
May 2009	Reeves sub. - 230 kV Capacitor Bank	99-2064
May 2009	Fentress Sub. - Install 230 kV Capacitor Bank	99-1955
May 2009	Line # 42 Uprate - Peninsula to Shellbank	99-2204
May 2009	Uprate Line #120 - Greenwich-Thomson Corner	99-2205
May 2009	Line # 61 Uprate (Yorktown-Whealton)	99-2055
May 2009	Whittakers Mill - Delivery New Station - 230 kV-34.5kV	99-2242
May 2010	Lanexa Substation - Add 2nd 230/115 kV Tx	99-2054
May 2010	Uprate Line #65 (Garner - Lancaster)	99-2112
May 2010	Northern Neck Sub - Replace Tx#5 (Delivery Transformer)	99-2244
May 2011	Line #164 Uprate Chesapeake - Reeves	99-2150
May 2011	Line #62 and #51 Uprate Chesapeake - Gosport - Reeves	99-2152
May 2011	Uprate Line #27 (Bayside-Greenwich)	99-2057
May 2011	Uprate Line #66 and #129 Ches - Craddock- Reeves	99-2018
May 2012	Lebanon - Install 115 kV capacitor bank	99-2149
May 2012	Line #263 Reconductor - Chuckatuck - Newport News	99-2199
May 2012	Hayes - Yorktown 115 kV line	99-2142
May 2014	Northern Neck - 2nd 230/115 kV Tx.	99-2200

May 2015	Landstown - VA Beach 230 kV Conversion	99-2066
May 2015	Build 230 kV line - Reeves - Sewells Point	99-2156

Northern Virginia Region – Transmission Plan

Jan 2008	BECO 230 kV Tap and Substation - Phase I	99-1911A
Mar 2008	Cedar Grove 115kV D.P. Modification – NOVEC	99-2240
Mar 2008	Cochran Mill 230 kV D.P. - NOVEC	99-2058
May 2008	Second Rosslyn 69 kV UG Source	99-1873
May 2008	Line 2045 and 2094 - Loudoun to Brambleton - Uprate	99-2137
May 2008	Line 251 Reconductor - Idylwood to Arlington	99-2133
May 2008	Brambleton - Greenway 230 kV Circuit - Phase II	99-1911C
Mar 2009	Re-Conductor Line 174 and 178 - Pentagon-Rosslyn	99-2077
Mar 2009	Swinks Mill – Add 230kV Breaker – Dominion	99-2239
May 2009	Bristers-Gainesville 230 kV Line & 500-230 kV Auto-TX	99-2131
May 2009	Bull Run 2 nd 230/115 kV Autotransformer	99-2228
May 2009	Elm Farm 115kV D.P. – Dominion	99-2236
May 2009	Garrisonville 230 kV Line (Loop Line #252)	99-2129
May 2009	Possum Point Second 230-115 kV Auto-Transformer	99-2186
May 2009	Line 49 Uprate – Loudoun to Cedar Grove	99-2233
May 2009	Innovation 115kV D.P. – NOVEC	99-2241
Feb 2010	DuPont Fabros 230 kV Line and Substation	99-2215
Apr 2010	Sunset Hills 230 kV Delivery – Dominion	99-2214
May 2010	Glen Carlyn Line 251 GIS Project	99-2220
May 2010	Nokesville 230 kV Delivery - Dominion	99-2163
May 2010	Possum Creek 230 kV Delivery - Dominion	99-2184
May 2010	North Alexandria Transmission Delivery - Dominion	99-2171

Northern Virginia Region – Transmission Plan

May 2010	Ft Belvoir Proving Grounds Delivery	99-2185
May 2010	Line 2097 Re-Conductor / Up-Rate - Ox to Idylwood	99-2195
June 2010	Pleasant View-Hamilton New Line	99-1385
June 2010	Potomac Yards North to Glebe R/W Relocation	99-2023
July 2010	Redfield 230 kV D.P. - Dominion	99-2107
Sept 2010	DCEETA 230kV Delivery – Dominion	99-2238
May 2011	Line 203 – Pleasant View to Dickerson Uprate	99-2251
May 2011	Beverly Hills 230 kV Delivery - Dominion	99-2208
May 2011	Vint Hill - 230 kV Delivery - NOVEC	99-2176
Apr 2012	Occoquan 500-230 kV Transformer	99-2081
Apr 2012	Remington CT to Gainesville 230 kV Line	99-2217
May 2012	Fredericksburg 230kV Capacitor Bank	99-2222
May 2012	Waxpool 230 kV Delivery - Dominion	99-2209
May 2012	Woodland Park 230 kV Delivery - Dominion	99-2211
Sept 2012	High Voltage - Northern VA Reactor Bank	99-2202
Mar 2013	Edwards Ferry 230 kV D.P. – Dominion	99-2105
Apr 2013	Install 33.6 MVAR, 115 kV Cap Bank at Gainesville	99-2127
May 2013	Line #270 – Burke to Sideburn – Add 2 nd 230kV Cable	99-2243
June 2014	Bristers - Garrisonville 230 kV Line	99-2161
May 2014	Brambleton 500-230 kV Transformer	99-2078
May 2014	Middleburg to Hamilton 230 kV Line	99-2249
June 2014	Pender - Oakton 230 kV Delivery & Oakton Substation	99-2207

Northern Virginia Region – Transmission Plan

May 2015	Clark-Idylwood 2nd 230 kV Line	99-1983
May 2015	Spring Hill 230 kV Delivery - Dominion	99-2162
May 2015	Eskimo Hill 230 kV Delivery - Dominion	99-2102
May 2016	Brambleton 230 kV Delivery - Dominion	99-2210
May 2016	Line 145 and Line 183 Conversion to 230kV	99-2248

Southside VA. & North Carolina Region

May 2008	Greensville County Industrial Park 115kV delivery point	99-2230
May 2008	Trego substation - Transmission service re-location	99-2229
May 2009	Lexington - Install 230kV ring bus	99-2191
May 2009	Kitty Hawk to Colington 115 kV line	99-2019
May 2009	Trego Substation - Increase substation capacity	99-2218
May 2010	Re-conductor 40 & 71 lines	99-1902
May 2010	Scotland Neck - Install 115kV capacitor bank	99-2157
May 2010	Pantego - Install capacitor bank	99-2167
June 2010	Trowbridge - Install 230kV capacitor bank	99-2158
June 2010	Trowbridge - Install second 168MVA transformer	99-2192
June 2011	98 Line - Relief contingency loading	99-2036
June 2011	158 Line - Re-conductor Moran tap to Crewe	99-2138
June 2011	154 Line - Relief contingency loading	99-2169
June 2011	Point Harbor - Install 230kV capacitor bank	99-2159
June 2011	Everetts - Install second 230-115kV transformer	99-2193
June 2011	Re-build line #64	99-2235
June 2011	Lakeview Substation - 213 line termination at the substation	99-2237
June 2011	Fudge Hollow - Install 138kV capacitor bank	99-2164
June 2011	84 Line - Relief contingency loading	99-2168
June 2011	Re-Build Chase City - Clarksville line #36	99-2087
June 2011	Crewe - I/S breaker & shift load from 158 to 98 line	99-2196
June 2012	Remedy low voltage at Winfall, Elizabeth City area	99-2206

June 2014 Covington - Install 138kV capacitor bank

99-2165

EHV System – Transmission Plan

May 2009	Yadkin 500 kV Substation & Suffolk 500-230 kV Autotransformer	99-2080
May 2011	Carson-Suffolk 500 kV Line & Suffolk Tx & Suffolk - Thrasher 230 kV Line	99-2146
June 2011	Mt Storm - Loudoun 500 kV Line	99-2194
May 2012	Uprate 500 kV Line # 555 Doods -Lexington	99-2225
May 2016	Bristers to Possum Point 500 kV Line	99-2093
May 2016	Skiffs Creek 500 -230 kV Switching Substation	99-2245
Nov 2018	Lexington - Cloverdale Line # 566 Uprate 3000 AMPS	99-2035
Dec 2020	AEP-VP Joshua Falls 500 kV Line	99-1658