Spot Loads

**New Load.S860 Bus1=860 Phases=3 Conn=Wye Model=1 kV= 24.900 kW= 60.0 kVAR= 48.0**

New Load.S840 Bus1=840 Phases=3 Conn=Wye Model=5 kV= 24.900 kW= 27.0 kVAR= 21.0

**New Load.S844 Bus1=844 Phases=3 Conn=Wye Model=2 kV= 24.900 kW= 405.0 kVAR= 315.0**

New Load.S848 Bus1=848 Phases=3 Conn=Delta Model=1 kV= 24.900 kW= 60.0 kVAR= 48.0

**New Load.S830a Bus1=830.1.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0**

**New Load.S830b Bus1=830.2.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0**

New Load.S830c Bus1=830.3.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 25.0 kVAR= 10.0

**New Load.S890 Bus1=890 Phases=3 Conn=Delta Model=5 kV= 4.160 kW= 450.0 kVAR= 225.0**

Distributed Loads

**New Load.D802\_806sb Bus1=802.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 15.0 kVAR= 7.5**

New Load.D802\_806rb Bus1=806.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 15.0 kVAR= 7.5

**New Load.D802\_806sc Bus1=802.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 7.0**

New Load.D802\_806rc Bus1=806.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 7.0

**New Load.D808\_810sb Bus1=808.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0**

New Load.D808\_810rb Bus1=810.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0

**New Load.D818\_820sa Bus1=818.1 Phases=1 Conn=Wye Model=2 kV= 14.376 kW= 17.0 kVAR= 8.5**

New Load.D818\_820ra Bus1=820.1 Phases=1 Conn=Wye Model=2 kV= 14.376 kW= 17.0 kVAR= 8.5

**New Load.D820\_822sa Bus1=820.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 67.5 kVAR= 35.0**

New Load.D820\_822ra Bus1=822.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 67.5 kVAR= 35.0

**New Load.D816\_824sb Bus1=816.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 2.5 kVAR= 1.0**

New Load.D816\_824rb Bus1=824.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 2.5 kVAR= 1.0

**New Load.D824\_826sb Bus1=824.2 Phases=1 Conn=Wye Model=5 kV= 14.376 kW= 20.0 kVAR= 10.0**

New Load.D824\_826rb Bus1=826.2 Phases=1 Conn=Wye Model=5 kV= 14.376 kW= 20.0 kVAR= 10.0

**New Load.D824\_828sc Bus1=824.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0**

New Load.D824\_828rc Bus1=828.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0

**New Load.D828\_830sa Bus1=828.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 3.5 kVAR= 1.5**

New Load.D828\_830ra Bus1=830.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 3.5 kVAR= 1.5

**New Load.D854\_856sb Bus1=854.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0**

New Load.D854\_856rb Bus1=856.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0

**New Load.D832\_858sa Bus1=832.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.5 kVAR= 1.5**

New Load.D832\_858ra Bus1=858.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.5 kVAR= 1.5

**New Load.D832\_858sb Bus1=832.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 1.0 kVAR= 0.5**

New Load.D832\_858rb Bus1=858.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 1.0 kVAR= 0.5

**New Load.D832\_858sc Bus1=832.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.0 kVAR= 1.5**

New Load.D832\_858rc Bus1=858.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.0 kVAR= 1.5

**! 9-17-10 858-864 changed to phase A per error report**

**New Load.D858\_864sb Bus1=858.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 1.0 kVAR= 0.5**

New Load.D858\_864rb Bus1=864.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 1.0 kVAR= 0.5

**New Load.D858\_834sa Bus1=858.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 2.0 kVAR= 1.0**

New Load.D858\_834ra Bus1=834.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 2.0 kVAR= 1.0

**New Load.D858\_834sb Bus1=858.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 7.5 kVAR= 4.0**

New Load.D858\_834rb Bus1=834.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 7.5 kVAR= 4.0

**New Load.D858\_834sc Bus1=858.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 6.5 kVAR= 3.5**

New Load.D858\_834rc Bus1=834.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 6.5 kVAR= 3.5

**New Load.D834\_860sa Bus1=834.1.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 8.0 kVAR= 4.0**

New Load.D834\_860ra Bus1=860.1.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 8.0 kVAR= 4.0

**New Load.D834\_860sb Bus1=834.2.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0**

New Load.D834\_860rb Bus1=860.2.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0

**New Load.D834\_860sc Bus1=834.3.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 55.0 kVAR= 27.5**

New Load.D834\_860rc Bus1=860.3.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 55.0 kVAR= 27.5

**New Load.D860\_836sa Bus1=860.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 15.0 kVAR= 7.5**

New Load.D860\_836ra Bus1=836.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 15.0 kVAR= 7.5

**New Load.D860\_836sb Bus1=860.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 5.0 kVAR= 3.0**

New Load.D860\_836rb Bus1=836.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 5.0 kVAR= 3.0

**New Load.D860\_836sc Bus1=860.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 21.0 kVAR= 11.0**

New Load.D860\_836rc Bus1=836.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 21.0 kVAR= 11.0

**New Load.D836\_840sa Bus1=836.1.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 9.0 kVAR= 4.5**

New Load.D836\_840ra Bus1=840.1.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 9.0 kVAR= 4.5

**New Load.D836\_840sb Bus1=836.2.3 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 11.0 kVAR= 5.5**

New Load.D836\_840rb Bus1=840.2.3 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 11.0 kVAR= 5.5

**New Load.D862\_838sb Bus1=862.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 14.0 kVAR= 7.0**

New Load.D862\_838rb Bus1=838.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 14.0 kVAR= 7.0

**New Load.D842\_844sa Bus1=842.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 4.5 kVAR= 2.5**

New Load.D842\_844ra Bus1=844.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 4.5 kVAR= 2.5

**New Load.D844\_846sb Bus1=844.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 6.0**

New Load.D844\_846rb Bus1=846.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 6.0

**New Load.D844\_846sc Bus1=844.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 10.0 kVAR= 5.5**

New Load.D844\_846rc Bus1=846.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 10.0 kVAR= 5.5

**New Load.D846\_848sb Bus1=846.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 11.5 kVAR= 5.5**

New Load.D846\_848rb Bus1=848.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 11.5 kVAR= 5.5

Clear Branches:

802-806 line

**New Load.D802\_806sb Bus1=802.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 15.0 kVAR= 7.5**

New Load.D802\_806rb Bus1=806.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 15.0 kVAR= 7.5

**New Load.D802\_806sc Bus1=802.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 7.0**

New Load.D802\_806rc Bus1=806.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 12.5 kVAR= 7.0

808 branch (808 810)

**New Load.D808\_810sb Bus1=808.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0**

New Load.D808\_810rb Bus1=810.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0

**New Load.D808\_810sb Bus1=808.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0**

New Load.D808\_810rb Bus1=810.2 Phases=1 Conn=Wye Model=4 kV= 14.376 kW= 8.0 kVAR= 4.0

816 branch (816 818 820 822)

**New Load.D818\_820sa Bus1=818.1 Phases=1 Conn=Wye Model=2 kV= 14.376 kW= 17.0 kVAR= 8.5**

New Load.D818\_820ra Bus1=820.1 Phases=1 Conn=Wye Model=2 kV= 14.376 kW= 17.0 kVAR= 8.5

**New Load.D820\_822sa Bus1=820.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 67.5 kVAR= 35.0**

New Load.D820\_822ra Bus1=822.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 67.5 kVAR= 35.0

816-824 line

**New Load.D816\_824sb Bus1=816.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 2.5 kVAR= 1.0**

New Load.D816\_824rb Bus1=824.2 Phases=1 Conn=Delta Model=5 kV= 24.900 kW= 2.5 kVAR= 1.0

824 branch (824 826)

**New Load.D824\_826sb Bus1=824.2 Phases=1 Conn=Wye Model=5 kV= 14.376 kW= 20.0 kVAR= 10.0**

New Load.D824\_826rb Bus1=826.2 Phases=1 Conn=Wye Model=5 kV= 14.376 kW= 20.0 kVAR= 10.0

824-854 line

**New Load.D824\_828sc Bus1=824.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0**

New Load.D824\_828rc Bus1=828.3 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0

**New Load.D828\_830sa Bus1=828.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 3.5 kVAR= 1.5**

New Load.D828\_830ra Bus1=830.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 3.5 kVAR= 1.5

**New Load.S830a Bus1=830.1.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0**

**New Load.S830b Bus1=830.2.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 10.0 kVAR= 5.0**

New Load.S830c Bus1=830.3.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 25.0 kVAR= 10.0

854 branch (854 856)

**New Load.D854\_856sb Bus1=854.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0**

New Load.D854\_856rb Bus1=856.2 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 2.0 kVAR= 1.0

832-858 line

**New Load.D832\_858sa Bus1=832.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.5 kVAR= 1.5**

New Load.D832\_858ra Bus1=858.1 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.5 kVAR= 1.5

**New Load.D832\_858sb Bus1=832.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 1.0 kVAR= 0.5**

New Load.D832\_858rb Bus1=858.2 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 1.0 kVAR= 0.5

**New Load.D832\_858sc Bus1=832.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.0 kVAR= 1.5**

New Load.D832\_858rc Bus1=858.3 Phases=1 Conn=Delta Model=2 kV= 24.900 kW= 3.0 kVAR= 1.5

858-864 branch

**! 9-17-10 858-864 changed to phase A per error report**

**New Load.D858\_864sb Bus1=858.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 1.0 kVAR= 0.5**

New Load.D858\_864rb Bus1=864.1 Phases=1 Conn=Wye Model=1 kV= 14.376 kW= 1.0 kVAR= 0.5

858-834 branch

**New Load.D858\_834sa Bus1=858.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 2.0 kVAR= 1.0**

New Load.D858\_834ra Bus1=834.1.2 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 2.0 kVAR= 1.0

**New Load.D858\_834sb Bus1=858.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 7.5 kVAR= 4.0**

New Load.D858\_834rb Bus1=834.2.3 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 7.5 kVAR= 4.0

**New Load.D858\_834sc Bus1=858.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 6.5 kVAR= 3.5**

New Load.D858\_834rc Bus1=834.3.1 Phases=1 Conn=Delta Model=1 kV= 24.900 kW= 6.5 kVAR= 3.5