



Appendix A

Interchange Tables

January 16, 2008

**2012 SUMMER PEAK
DUKE ENERGY CAROLINAS
DETAILED INTERCHANGE**

Duke Energy Carolinas Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|---------------------------|------------------|---------------------|
| CPLE (City of Seneca) | 32 MW | 32 MW |
| CPLE (NCEMC) | 100 MW | 0 MW |
| SCEG (City of Greenwood) | 59 MW | 59 MW |
| SCPSA (New Horizons/NHEC) | 915 MW | 915 MW |
| SEPA (Hartwell) | 156 MW | 156 MW |
| SEPA (Thurmond) | 113 MW | 113 MW |
| SOCO (EU2) | 150 MW | 150 MW |
| SOCO (NCMPA1) | 60 MW | 60 MW |
| SOCO (PMPA) | <u>208 MW</u> | <u>208 MW</u> |
| Total | 1793 MW | 1693 MW |

Duke Energy Carolinas Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------------------------------|------------------|---------------------|
| CPLE (Broad River) | 850 MW | 850 MW |
| CPLE (Lincoln) | 50 MW | 50 MW |
| CPLE (NCEMC/Catawba) | 122 MW | 122 MW |
| CPLE (PEC TRM VACAR Reserves) | 0 MW | 508 MW |
| CPLW (Rowan) | 150 MW | 150 MW |
| DVP | <u>100 MW</u> | <u>100 MW</u> |
| Total | 1272 MW | 1780 MW |

| | | |
|---------------------------------------|---------|-------|
| Duke Energy Carolinas Net Interchange | -521 MW | 87 MW |
|---------------------------------------|---------|-------|

Note:

Positive net interchange indicates an export and negative interchange an import.

**2012 SUMMER PEAK
PROGRESS ENERGY CAROLINAS (EAST)
DETAILED INTERCHANGE**

Progress Energy Carolinas (East) Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------------------------------|------------------|---------------------|
| AEP (NCEMC) | 205 MW | 205 MW |
| AEP (PEC TRM) | 0 MW | 97 MW |
| AEP (Rockport) | 250 MW | 250 MW |
| CPLW | 200 MW | 200 MW |
| DUKE | 50 MW | 50 MW |
| DUKE (Broad River) | 850 MW | 850 MW |
| DUKE (NCEMC/Catawba) | 122 MW | 122 MW |
| DUKE (PEC TRM VACAR Reserves) | 0 MW | 508 MW |
| DVP (PEC TRM) | 0 MW | 835 MW |
| DVP (SEPA-KERR) | 95 MW | 95 MW |
| DVP (3 Towns plus Sharpsburg) | 23 MW | 23 MW |
| SCEG (NCEMC) | 250 MW | 250 MW |
| SCEG (PEC TRM) | 0 MW | 200 MW |
| SCPSA (Co-Gen) | 9 MW | 9 MW |
| SCPSA (PEC TRM) | 0 MW | 195 MW |
| Total | 2054 MW | 3889 MW |

Progress Energy Carolinas (East) Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-----------------------|------------------|---------------------|
| DUKE (City of Seneca) | 32 MW | 32 MW |
| DUKE (NCEMC) | 100 MW | 0 MW |
| DVP (Littleton) | 9 MW | 9 MW |
| DVP (NCEMPA) | 156 MW | 156 MW |
| DVP (PJM-Cravenwood) | 47 MW | 47 MW |
| Total | 344 MW | 244 MW |

| | | |
|--|----------|----------|
| Progress Energy Carolinas (East) Net Interchange | -1710 MW | -3645 MW |
|--|----------|----------|

Note:

Positive net interchange indicates an export and negative interchange an import.

**2012 SUMMER PEAK
PROGRESS ENERGY CAROLINAS (WEST)
DETAILED INTERCHANGE**

Progress Energy Carolinas (West) Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|--------------|------------------|---------------------|
| DUKE (Rowan) | 150 MW | 150 MW |
| TVA (SEPA) | 14 MW | 14 MW |
| Total | 164 MW | 164 MW |

Progress Energy Carolinas (West) Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------|------------------|---------------------|
| CPL | 200 MW | 200 MW |
| Total | 200 MW | 200 MW |

| | | |
|--|-------|-------|
| Progress Energy Carolinas (West) Net Interchange | 36 MW | 36 MW |
|--|-------|-------|

Note:

Positive net interchange indicates an export and negative interchange an import.

**2016 SUMMER PEAK
DUKE ENERGY CAROLINAS
DETAILED INTERCHANGE**

Duke Energy Carolinas Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|---------------------------|------------------|---------------------|
| CPLE (City of Seneca) | 34 MW | 34 MW |
| CPLE (NCEMC) | 100 MW | 0 MW |
| SCEG (City of Greenwood) | 64 MW | 64 MW |
| SCPSA (New Horizons/NHEC) | 1034 MW | 1034 MW |
| SEPA (Hartwell) | 156 MW | 156 MW |
| SEPA (Thurmond) | 113 MW | 113 MW |
| SOCO (EU2) | 295 MW | 295 MW |
| SOCO (NCMPA1) | 140 MW | 140 MW |
| SOCO (PMPA) | <u>263 MW</u> | <u>263 MW</u> |
| Total | 2199 MW | 2099 MW |

Duke Energy Carolinas Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------------------------------|------------------|---------------------|
| CPLE (Broad River) | 850 MW | 850 MW |
| CPLE (Lincoln) | 50 MW | 50 MW |
| CPLE (NCEMC/Catawba) | 222 MW | 222 MW |
| CPLE (PEC TRM VACAR Reserves) | 0 MW | 508 MW |
| CPLW (Rowan) | 150 MW | 150 MW |
| DVP | <u>100 MW</u> | <u>100 MW</u> |
| Total | 1372 MW | 1880 MW |

| | | |
|---------------------------------------|---------|---------|
| Duke Energy Carolinas Net Interchange | -827 MW | -219 MW |
|---------------------------------------|---------|---------|

Note:

Positive net interchange indicates an export and negative interchange an import.

**2016 SUMMER PEAK
PROGRESS ENERGY CAROLINAS (EAST)
DETAILED INTERCHANGE**

Progress Energy Carolinas (East) Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------------------------------|------------------|---------------------|
| AEP (NCEMC) | 205 MW | 205 MW |
| AEP (PEC TRM) | 0 MW | 97 MW |
| AEP (Rockport) | 250 MW | 250 MW |
| CPLW | 200 MW | 200 MW |
| DUKE | 50 MW | 50 MW |
| DUKE (Broad River) | 850 MW | 850 MW |
| DUKE (NCEMC/Catawba) | 222 MW | 222 MW |
| DUKE (PEC TRM VACAR Reserves) | 0 MW | 508 MW |
| DVP (PEC TRM) | 0 MW | 835 MW |
| DVP (SEPA-KERR) | 95 MW | 95 MW |
| DVP (3 Towns plus Sharpsburg) | 25 MW | 25 MW |
| SCEG (NCEMC) | 250 MW | 250 MW |
| SCEG (PEC TRM) | 0 MW | 200 MW |
| SCPSA (Co-Gen) | 9 MW | 9 MW |
| SCPSA (PEC TRM) | 0 MW | 195 MW |
| Total | 2156 MW | 3991 MW |

Progress Energy Carolinas (East) Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-----------------------|------------------|---------------------|
| DUKE (City of Seneca) | 34 MW | 34 MW |
| DUKE (NCEMC) | 100 MW | 0 MW |
| DVP (Littleton) | 11 MW | 11 MW |
| DVP (NCEMPA) | 165 MW | 165 MW |
| DVP (PJM-Cravenwood) | 47 MW | 47 MW |
| Total | 357 MW | 257 MW |

| | | |
|--|----------|----------|
| Progress Energy Carolinas (East) Net Interchange | -1799 MW | -3734 MW |
|--|----------|----------|

Note:

Positive net interchange indicates an export and negative interchange an import.

**2016 SUMMER PEAK
PROGRESS ENERGY CAROLINAS (WEST)
DETAILED INTERCHANGE**

Progress Energy Carolinas (West) Modeled Imports/Purchases

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|--------------|------------------|---------------------|
| DUKE (Rowan) | 150 MW | 150 MW |
| TVA (SEPA) | 14 MW | 14 MW |
| Total | 164 MW | 164 MW |

Progress Energy Carolinas (West) Modeled Exports/Sales

| | <u>Base Case</u> | <u>PEC TRM Case</u> |
|-------|------------------|---------------------|
| CPL | 200 MW | 200 MW |
| Total | 200 MW | 200 MW |

| | | |
|--|-------|-------|
| Progress Energy Carolinas (West) Net Interchange | 36 MW | 36 MW |
|--|-------|-------|

Note:

Positive net interchange indicates an export and negative interchange an import.