



Duke Energy Carolinas and Duke Energy Progress System Overview

Highlights

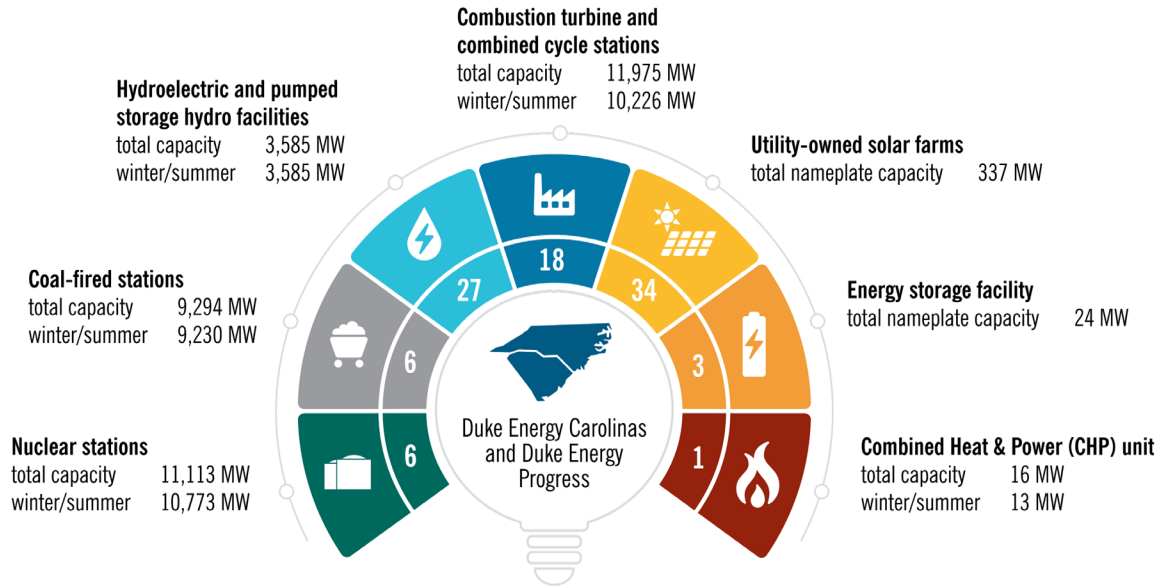
- Duke Energy Carolinas and Duke Energy Progress provide energy to 4.5 million retail customers in an approximately 53,200-square-mile service territory.
- The Companies:
 - own over 36,300 megawatts of winter generating capacity to meet customer demand.
 - provide over 6,000 megawatts of capacity to wholesale customers in the service territory.
 - purchase approximately 2,400 megawatts of capacity through Purchase Power Agreements with wholesale customers.
 - currently have approximately 5,800 megawatts of non-utility generation on their systems.

Duke Energy Carolinas, LLC's ("DEC") and Duke Energy Progress, LLC's ("DEP" and, together with DEC, the "Companies") generation portfolio includes a balanced mix of resources with different operating and fuel characteristics. This mix is designed to reliably provide energy at the lowest reasonable cost to meet the Companies' obligation to serve their customers. DEC- and DEP-owned generation, as well as power the Companies purchase from third parties, is evaluated on a real-time basis to select and dispatch the lowest-cost resources to meet system load requirements.

Duke Energy's two electric utility operating companies in the Carolinas provide electric service to an approximately 53,200-square-mile service area stretching from the western borders of North Carolina and South Carolina to Atlantic coastal counties between the Pamlico River and Georgetown County

of South Carolina. In addition to retail sales to approximately 4.5 million customers (800,000 in South Carolina and 3.7 million in North Carolina), the Companies also sell wholesale electricity to incorporated municipalities and to other public and private utilities. A summary of the Companies' generation system in the Carolinas is presented in Figure B-1 below, and recent historical data, including the number of customers and sales of electricity by customer group, may be found in Appendix D (Electric Load Forecast).

Figure B-1: Overview of Companies' Generating Assets



The Companies' power delivery system consists of approximately 190,000 miles (153,000 in North Carolina and 37,000 in South Carolina) of distribution lines and 19,300 miles (13,400 in North Carolina and 5,900 in South Carolina) of transmission lines. The transmission system is directly connected to all the Transmission Operators that surround DEC's and DEP's respective service territories. There are 78 tie-line circuits connecting with 10 different Transmission Operators:

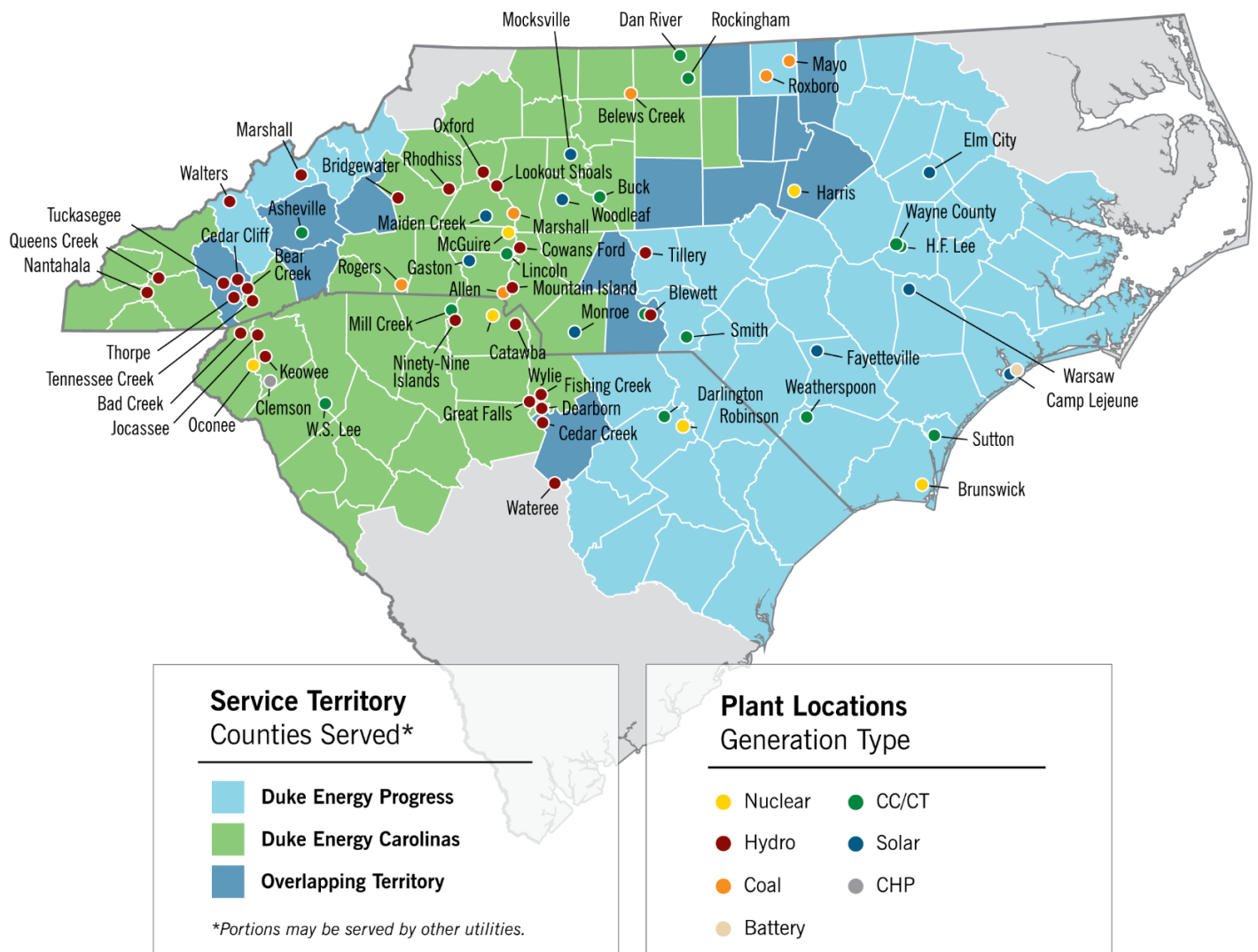
- i. DEP
- ii. DEC
- iii. Cube Hydro Partners, LLC
- iv. Dominion Energy South Carolina
- v. PJM Interconnection, LLC
- vi. Santee Cooper
- vii. Southeastern Power Administration
- viii. Southern Company
- ix. Smoky Mountain Transmission

x. Tennessee Valley Authority

These interconnections allow these utilities to work together to provide an additional level of reliability. The strength of the Companies' systems is also reinforced through coordination with other electric service providers in the SERC East sub-region, SERC Reliability Corporation and North American Electric Reliability Corporation ("NERC").

Figure B-2 below provides a view of the Companies' service areas with locations of the electric generation resources.

Figure B-2: DEC and DEP Service Territory



Duke Energy Carolinas and Duke Energy Progress Owned Generation

Tables B-1 through B-14 below list the DEC and DEP plants in service in South Carolina and North Carolina with plant statistics, planned uprates, projected retirement dates, relicensing status and the overall system's total generating capability. All generating unit ratings are as of January 1, 2023.

Table B-1: Coal – Existing Generating Units and Ratings

| COAL | | | | | | | | | |
|--------------------|----------------|------|----------------|----------------|------------------|------------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | Allen | 1 | 167 | 162 | Belmont, NC | Coal | Peaking | 66 | 1 |
| DEC | Allen | 5 | 259 | 259 | Belmont, NC | Coal | Peaking | 62 | 1 |
| DEC | Belews Creek * | 1 | 1110 | 1110 | Belews Creek, NC | Coal/Natural Gas | Base | 49 | 13 |
| DEC | Belews Creek * | 2 | 1110 | 1110 | Belews Creek, NC | Coal/Natural Gas | Base | 48 | 13 |
| DEC | Cliffside * | 5 | 546 | 544 | Cliffside, NC | Coal/Natural Gas | Peaking | 51 | 7-8 |
| DEC | Cliffside * | 6 | 849 | 844 | Cliffside, NC | Coal/Natural Gas | Intermediate | 11 | 25 |
| DEC | Marshall * | 1 | 380 | 370 | Terrell, NC | Coal/Natural Gas | Intermediate | 58 | 6 |
| DEC | Marshall * | 2 | 380 | 370 | Terrell, NC | Coal/Natural Gas | Intermediate | 57 | 6 |
| DEC | Marshall * | 3 | 658 | 658 | Terrell, NC | Coal/Natural Gas | Base | 54 | 10 |
| DEC | Marshall * | 4 | 660 | 660 | Terrell, NC | Coal/Natural Gas | Base | 53 | 10 |
| DEP | Mayo | 1 | 713 | 704 | Roxboro, NC | Coal | Intermediate | 40 | 8-12 |
| DEP | Roxboro | 1 | 380 | 379 | Semora, NC | Coal | Intermediate | 57 | 6 |
| DEP | Roxboro | 2 | 673 | 668 | Semora, NC | Coal | Intermediate | 55 | 6 |
| DEP | Roxboro | 3 | 698 | 694 | Semora, NC | Coal | Intermediate | 50 | 7-11 |
| DEP | Roxboro | 4 | 711 | 698 | Semora, NC | Coal | Intermediate | 43 | 7-11 |
| Total DEC Coal | | | 6,119 | 6,087 | | | | | |
| Total DEP Coal | | | 3,175 | 3,143 | | | | | |
| Total NC Coal | | | 9,294 | 9,230 | | | | | |
| Total SC Coal | | | 0 | 0 | | | | | |
| Total DEC/DEP Coal | | | 9,294 | 9,230 | | | | | |

Note: Unit information is provided by state, but resources are dispatched on a systemwide basis.

Note: Cliffside also called the Rogers Energy Center.

Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period.

Note: * Denotes unit is capable of dual fuel operations (coal and natural gas). Percentage of capacity for maximum standalone natural gas for each unit: Belews Creek 1, Belews Creek 2, Marshall 3, Marshall 4: up to 50% capable; Cliffside 5, Marshall 1, Marshall 2: up to 40% capable; Cliffside 6: up to 100% capable.

Note: Estimated remaining life may change depending upon the portfolio for some units, so a range has been provided in this table for those units. Detailed retirement dates may be found in Appendix F (Coal Retirement Analysis).

Table B-2: Combustion Turbines – Existing Generating Units and Ratings

| COMBUSTION TURBINES | | | | | | | | | |
|---------------------|------------|------|----------------|----------------|----------------|-----------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | Lee | 7C | 48 | 42 | Pelzer, SC | Natural Gas/Oil | Peaking | 16 | 24 |
| DEC | Lee | 8C | 48 | 42 | Pelzer, SC | Natural Gas/Oil | Peaking | 16 | 24 |
| DEC | Lincoln | 1 | 94 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 2 | 96 | 74 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 3 | 95 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 4 | 94 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 5 | 93 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 6 | 93 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 7 | 95 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 8 | 94 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 9 | 94 | 71 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 10 | 96 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 11 | 95 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 12 | 94 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 13 | 93 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 14 | 94 | 72 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 15 | 94 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Lincoln | 16 | 93 | 73 | Stanley, NC | Natural Gas/Oil | Peaking | 28 | 17 |
| DEC | Mill Creek | 1 | 94 | 71 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 2 | 94 | 70 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 3 | 95 | 71 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 4 | 94 | 70 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 5 | 94 | 69 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 6 | 92 | 71 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 7 | 95 | 70 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Mill Creek | 8 | 93 | 71 | Blacksburg, SC | Natural Gas/Oil | Peaking | 20 | 20 |
| DEC | Rockingham | 1 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | Peaking | 22 | 17 |

| COMBUSTION TURBINES | | | | | | | | | |
|---------------------|------------|------|----------------|----------------|----------------|-----------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | Rockingham | 2 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | Peaking | 22 | 17 |
| DEC | Rockingham | 3 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | Peaking | 22 | 17 |
| DEC | Rockingham | 4 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | Peaking | 22 | 17 |
| DEC | Rockingham | 5 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | Peaking | 22 | 17 |
| DEP | Asheville | 3 | 185 | 160 | Arden, NC | Natural Gas/Oil | Peaking | 24 | 16 |
| DEP | Asheville | 4 | 185 | 160 | Arden, NC | Natural Gas/Oil | Peaking | 24 | 16 |
| DEP | Blewett | 1 | 17 | 13 | Lilesville, NC | Oil | Peaking | 52 | 16 |
| DEP | Blewett | 2 | 17 | 13 | Lilesville, NC | Oil | Peaking | 52 | 16 |
| DEP | Blewett | 3 | 17 | 13 | Lilesville, NC | Oil | Peaking | 52 | 16 |
| DEP | Blewett | 4 | 17 | 13 | Lilesville, NC | Oil | Peaking | 52 | 16 |
| DEP | Darlington | 12 | 131 | 115 | Hartsville, SC | Natural Gas/Oil | Peaking | 49 | 16 |
| DEP | Darlington | 13 | 133 | 115 | Hartsville, SC | Natural Gas/Oil | Peaking | 49 | 16 |
| DEP | Smith | 1 | 192 | 157 | Hamlet, NC | Natural Gas/Oil | Peaking | 22 | 18 |
| DEP | Smith | 2 | 192 | 156 | Hamlet, NC | Natural Gas/Oil | Peaking | 22 | 18 |
| DEP | Smith | 3 | 192 | 155 | Hamlet, NC | Natural Gas/Oil | Peaking | 22 | 18 |
| DEP | Smith | 4 | 192 | 159 | Hamlet, NC | Natural Gas/Oil | Peaking | 22 | 18 |
| DEP | Smith | 6 | 192 | 145 | Hamlet, NC | Natural Gas/Oil | Peaking | 22 | 18 |
| DEP | Sutton | 4 | 49 | 42 | Wilmington, NC | Natural Gas/Oil | Peaking | 6 | 34 |
| DEP | Sutton | 5 | 48 | 42 | Wilmington, NC | Natural Gas/Oil | Peaking | 6 | 34 |
| DEP | Wayne | 1/10 | 195 | 169 | Goldsboro, NC | Oil/Natural Gas | Peaking | 23 | 17 |
| DEP | Wayne | 2/11 | 195 | 174 | Goldsboro, NC | Oil/Natural Gas | Peaking | 23 | 17 |
| DEP | Wayne | 3/12 | 195 | 164 | Goldsboro, NC | Oil/Natural Gas | Peaking | 23 | 17 |

| COMBUSTION TURBINES | | | | | | | | | |
|---|--------------|------|----------------|----------------|---------------|-----------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEP | Wayne | 4/13 | 195 | 162 | Goldsboro, NC | Oil/Natural Gas | Peaking | 23 | 17 |
| DEP | Wayne | 5/14 | 195 | 153 | Goldsboro, NC | Oil/Natural Gas | Peaking | 23 | 26 |
| DEP | Weatherspoon | 1 | 41 | 31 | Lumberton, NC | Natural Gas/Oil | Peaking | 53 | 16 |
| DEP | Weatherspoon | 2 | 41 | 31 | Lumberton, NC | Natural Gas/Oil | Peaking | 53 | 16 |
| DEP | Weatherspoon | 3 | 41 | 32 | Lumberton, NC | Natural Gas/Oil | Peaking | 53 | 16 |
| DEP | Weatherspoon | 4 | 41 | 30 | Lumberton, NC | Natural Gas/Oil | Peaking | 53 | 16 |
| Total DEC CT | | | 3,249 | 2,633 | | | | | |
| Total DEP CT | | | 2,898 | 2,404 | | | | | |
| Total NC CT | | | 5,036 | 4,160 | | | | | |
| Total SC CT | | | 1,111 | 877 | | | | | |
| Total DEC/DEP CT | | | 6,147 | 5,037 | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | |
| Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | | | | | | | |

Table B-3: Combined Cycle – Existing Generating Units and Ratings

| COMBINED CYCLE | | | | | | | | | |
|----------------|----------------|------|----------------|----------------|---------------|-----------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | Buck | CT11 | 206 | 182 | Salisbury, NC | Natural Gas | Base | 12 | 24 |
| DEC | Buck | CT12 | 206 | 182 | Salisbury, NC | Natural Gas | Base | 12 | 24 |
| DEC | Buck | ST10 | 306 | 304 | Salisbury, NC | Natural Gas | Base | 12 | 24 |
| DEC | Buck CTCC | - | 718 | 668 | - | - | - | - | - |
| DEC | Dan River | CT8 | 206 | 177 | Eden, NC | Natural Gas | Base | 11 | 25 |
| DEC | Dan River | CT9 | 206 | 177 | Eden, NC | Natural Gas | Base | 11 | 25 |
| DEC | Dan River | ST7 | 306 | 308 | Eden, NC | Natural Gas | Base | 11 | 25 |
| DEC | Dan River CTCC | - | 718 | 662 | - | - | - | - | - |
| DEC | WS Lee | CT11 | 248 | 234 | Pelzer, SC | Natural Gas | Base | 5 | 27 |
| DEC | WS Lee | CT12 | 248 | 233 | Pelzer, SC | Natural Gas | Base | 5 | 27 |
| DEC | WS Lee | ST10 | 313 | 313 | Pelzer, SC | Natural Gas | Base | 5 | 27 |
| DEC | WS Lee CTCC | - | 809 | 780 | - | - | - | - | - |
| DEP | Asheville | CT5 | 190 | 163 | Arden, NC | Natural Gas/Oil | Base | 4 | 36 |
| DEP | Asheville | ST6 | 90 | 85 | Arden, NC | Natural Gas/Oil | Base | 4 | 36 |
| DEP | Asheville | CT7 | 190 | 161 | Arden, NC | Natural Gas/Oil | Base | 3 | 36 |
| DEP | Asheville | ST8 | 90 | 85 | Arden, NC | Natural Gas/Oil | Base | 3 | 36 |
| DEP | Asheville CTCC | - | 560 | 494 | - | - | - | - | - |
| DEP | Lee | CT1A | 225 | 170 | Goldsboro, NC | Natural Gas/Oil | Base | 11 | 25 |
| DEP | Lee | CT1B | 225 | 170 | Goldsboro, NC | Natural Gas/Oil | Base | 11 | 25 |
| DEP | Lee | CT1C | 225 | 170 | Goldsboro, NC | Natural Gas/Oil | Base | 11 | 25 |
| DEP | Lee | ST1 | 379 | 378 | Goldsboro, NC | Natural Gas/Oil | Base | 11 | 25 |
| DEP | Lee CTCC | - | 1054 | 888 | - | - | - | - | - |
| DEP | Smith | CT7 | 193 | 152 | Hamlet, NC | Natural Gas/Oil | Base | 21 | 19 |
| DEP | Smith | CT8 | 193 | 152 | Hamlet, NC | Natural Gas/Oil | Base | 21 | 19 |
| DEP | Smith | ST4 | 184 | 171 | Hamlet, NC | Natural Gas/Oil | Base | 21 | 19 |

| COMBINED CYCLE | | | | | | | | | |
|---|----------------|------|----------------|----------------|----------------|-----------------|------------------|----------------|--|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEP | Smith PB4 CTCC | - | 570 | 475 | - | - | - | - | - |
| DEP | Smith | CT9 | 215 | 178 | Hamlet, NC | Natural Gas/Oil | Base | 12 | 24 |
| DEP | Smith | CT10 | 215 | 178 | Hamlet, NC | Natural Gas/Oil | Base | 12 | 24 |
| DEP | Smith | ST5 | 250 | 252 | Hamlet, NC | Natural Gas/Oil | Base | 12 | 24 |
| DEP | Smith PB5 CTCC | - | 680 | 608 | - | - | - | - | - |
| DEP | Sutton | CT1A | 224 | 173 | Wilmington, NC | Natural Gas/Oil | Base | 10 | 26 |
| DEP | Sutton | CT1B | 224 | 173 | Wilmington, NC | Natural Gas/Oil | Base | 10 | 26 |
| DEP | Sutton | ST1 | 271 | 268 | Wilmington, NC | Natural Gas/Oil | Base | 10 | 26 |
| DEP | Sutton CTCC | - | 719 | 614 | - | - | - | - | - |
| Total DEC CTCC | | | 2,245 | 2,110 | | | | | |
| Total DEP CTCC | | | 3,583 | 3,079 | | | | | |
| Total NC CTCC | | | 5,019 | 4,409 | | | | | |
| Total SC CTCC | | | 809 | 780 | | | | | |
| Total DEC/DEP CTCC | | | 5,828 | 5,189 | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | |
| Note: W.S. Lee Combined Cycle ("CC") Units CT11, CT12 and ST10 reflects 100% of the CC's capability and does not factor in the 100 MW of capacity owned by North Carolina Electric Membership Corporation ("NCEMC"). The DEC-NCEMC Joint-Owner contract includes an energy buyback provision for DEC of the capacity owned by NCEMC in the W.S. Lee CC facility. | | | | | | | | | |
| Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | | | | | | | |

Table B-4: Combined Heat & Power – Existing Generating Units and Ratings

| COMBINED HEAT & POWER | | | | | | | | | |
|---|-------------|------|----------------|----------------|-------------|-------------|------------------|----------------|--|
| | UNIT | | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | Clemson CHP | GT01 | 15.5 | 12.5 | Pickens, SC | Natural Gas | Base | 4 | 36 |
| Total DEC CHP | | | 15.5 | 12.5 | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | |
| Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | | | | | | | |

Table B-5: Pumped Storage Hydro – Existing Generating Units and Ratings

| PUMPED STORAGE HYDRO | | | | | | | | | | | |
|----------------------|-----------|---|----------------|----------------|--------------------------------|-----------|-------------------|------------------|----------------|--|-----------------------|
| | UNIT | | WINTER (MW) | SUMMER (MW) | STORAGE DURATION (HOURS) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEC | Jocassee | 1 | 195 | 195 | 50 | Salem, SC | Pumped Storage | Peaking | 50 | 23 | 2046 |
| DEC | Jocassee | 2 | 195 | 195 | 50 | Salem, SC | Pumped Storage | Peaking | 50 | 23 | 2046 |
| DEC | Jocassee | 3 | 195 | 195 | 50 | Salem, SC | Pumped Storage | Peaking | 50 | 23 | 2046 |
| DEC | Jocassee | 4 | 195 | 195 | 50 | Salem, SC | Pumped Storage | Peaking | 50 | 23 | 2046 |
| DEC | Bad Creek | 1 | 420 | 420 | 20 | Salem, SC | Pumped Storage | Peaking | 32 | 4 | 2027 |
| DEC | Bad Creek | 2 | 420 | 420 | 20 | Salem, SC | Pumped Storage | Peaking | 32 | 4 | 2027 |
| DEC | Bad Creek | 3 | 340 | 340 | 20 | Salem, SC | Pumped Storage | Peaking | 32 | 4 | 2027 |
| DEC | Bad Creek | 4 | 340 | 340 | 20 | Salem, SC | Pumped Storage | Peaking | 32 | 4 | 2027 |

| | | | | |
|---------------------------------|---|--------------|--|--|
| Total DEC Pumped Storage | 2,300 | 2,300 | | |
| | Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | |
| | Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | |
| | Note: Model assumption is that pumped storage assets will be relicensed. | | | |

Table B-6: Hydro – Existing Generating Units and Ratings

| HYDRO | | | | | | | | | | |
|-------|-------------|------|----------------|----------------|-----------------|--------------|------------------|----------------|--|-----------------------|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEC | 99 Islands | 1 | 4.2 | 4.2 | Blacksburg, SC | Hydro | Peaking | 113 | 13 | 2036 |
| DEC | 99 Islands | 2 | 3.4 | 3.4 | Blacksburg, SC | Hydro | Peaking | 113 | 13 | 2036 |
| DEC | 99 Islands | 3 | 4.2 | 4.2 | Blacksburg, SC | Hydro | Peaking | 113 | 13 | 2036 |
| DEC | 99 Islands | 4 | 3.4 | 3.4 | Blacksburg, SC | Hydro | Peaking | 113 | 13 | 2036 |
| DEC | Bear Creek | 1 | 9.5 | 9.5 | Tuckasegee, NC | Hydro | Peaking | 69 | 18 | 2041 |
| DEC | Bridgewater | 1 | 15 | 15 | Morganton, NC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Bridgewater | 2 | 15 | 15 | Morganton, NC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Bridgewater | 3 | 1.5 | 1.5 | Morganton, NC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Cedar Cliff | 1 | 6.4 | 6.4 | Tuckasegee, NC | Hydro | Peaking | 71 | 18 | 2041 |
| DEC | Cedar Cliff | 2 | 0.4 | 0.4 | Tuckasegee, NC | Hydro | Peaking | 71 | 18 | 2041 |
| DEC | Cedar Creek | 1 | 15 | 15 | Great Falls, SC | Hydro | Peaking | 97 | 32 | 2055 |
| DEC | Cedar Creek | 2 | 15 | 15 | Great Falls, SC | Hydro | Peaking | 97 | 32 | 2055 |
| DEC | Cedar Creek | 3 | 15 | 15 | Great Falls, SC | Hydro | Peaking | 97 | 32 | 2055 |
| DEC | Cowans Ford | 1 | 81 | 81 | Stanley, NC | Hydro | Peaking | 60 | 32 | 2055 |
| DEC | Cowans Ford | 2 | 81 | 81 | Stanley, NC | Hydro | Peaking | 60 | 32 | 2055 |
| DEC | Cowans Ford | 3 | 81 | 81 | Stanley, NC | Hydro | Peaking | 60 | 32 | 2055 |
| DEC | Cowans Ford | 4 | 81 | 81 | Stanley, NC | Hydro | Peaking | 60 | 32 | 2055 |
| DEC | Dearborn | 1 | 14 | 14 | Great Falls, SC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Dearborn | 2 | 14 | 14 | Great Falls, SC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Dearborn | 3 | 14 | 14 | Great Falls, SC | Hydro | Peaking | 100 | 32 | 2055 |

| HYDRO | | | | | | | | | | |
|-------|-----------------|------|----------------|----------------|-----------------|--------------|------------------|----------------|--|-----------------------|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEC | Fishing Creek | 1 | 11 | 11 | Great Falls, SC | Hydro | Peaking | 107 | 32 | 2055 |
| DEC | Fishing Creek | 2 | 10 | 10 | Great Falls, SC | Hydro | Peaking | 107 | 32 | 2055 |
| DEC | Fishing Creek | 3 | 10 | 10 | Great Falls, SC | Hydro | Peaking | 107 | 32 | 2055 |
| DEC | Fishing Creek | 4 | 11 | 11 | Great Falls, SC | Hydro | Peaking | 107 | 32 | 2055 |
| DEC | Fishing Creek | 5 | 9 | 9 | Great Falls, SC | Hydro | Peaking | 107 | 32 | 2055 |
| DEC | Great Falls | 1 | 0 | 0 | Great Falls, SC | Hydro | Peaking | 116 | 32 | 2055 |
| DEC | Great Falls | 2 | 0 | 0 | Great Falls, SC | Hydro | Peaking | 116 | 32 | 2055 |
| DEC | Great Falls | 5 | 0 | 0 | Great Falls, SC | Hydro | Peaking | 116 | 32 | 2055 |
| DEC | Great Falls | 6 | 0 | 0 | Great Falls, SC | Hydro | Peaking | 116 | 32 | 2055 |
| DEC | Keowee | 1 | 76 | 76 | Seneca, SC | Hydro | Peaking | 52 | 23 | 2046 |
| DEC | Keowee | 2 | 76 | 76 | Seneca, SC | Hydro | Peaking | 52 | 23 | 2046 |
| DEC | Lookout Shoals | 1 | 9 | 9 | Statesville, NC | Hydro | Peaking | 108 | 32 | 2055 |
| DEC | Lookout Shoals | 2 | 9 | 9 | Statesville, NC | Hydro | Peaking | 108 | 32 | 2055 |
| DEC | Lookout Shoals | 3 | 9 | 9 | Statesville, NC | Hydro | Peaking | 108 | 32 | 2055 |
| DEC | Mountain Island | 1 | 14 | 14 | Mount Holly, NC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Mountain Island | 2 | 14 | 14 | Mount Holly, NC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Mountain Island | 3 | 17 | 17 | Mount Holly, NC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Mountain Island | 4 | 17 | 17 | Mount Holly, NC | Hydro | Peaking | 100 | 32 | 2055 |
| DEC | Nantahala | 1 | 45 | 45 | Topton, NC | Hydro | Peaking | 81 | 19 | 2042 |
| DEC | Oxford | 1 | 20 | 20 | Conover, NC | Hydro | Peaking | 95 | 32 | 2055 |
| DEC | Oxford | 2 | 20 | 20 | Conover, NC | Hydro | Peaking | 95 | 32 | 2055 |
| DEC | Queens Creek | 1 | 1.4 | 1.4 | Topton, NC | Hydro | Peaking | 74 | 9 | 2032 |
| DEC | Rhodhiss | 1 | 9.5 | 9.5 | Rhodhiss, NC | Hydro | Peaking | 98 | 32 | 2055 |
| DEC | Rhodhiss | 2 | 11.5 | 11.5 | Rhodhiss, NC | Hydro | Peaking | 98 | 32 | 2055 |
| DEC | Rhodhiss | 3 | 12.4 | 12.4 | Rhodhiss, NC | Hydro | Peaking | 98 | 32 | 2055 |

| HYDRO | | | | | | | | | | |
|-------|-----------------|------|----------------|----------------|----------------|--------------|------------------|----------------|--|-----------------------|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEC | Tennessee Creek | 1 | 11.5 | 11.5 | Tuckasegee, NC | Hydro | Peaking | 68 | 18 | 2041 |
| DEC | Thorpe | 1 | 19.7 | 19.7 | Tuckasegee, NC | Hydro | Peaking | 82 | 18 | 2041 |
| DEC | Tuckasegee | 1 | 2.5 | 2.5 | Tuckasegee, NC | Hydro | Peaking | 73 | 18 | 2041 |
| DEC | Wateree | 1 | 17 | 17 | Ridgeway, SC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Wateree | 2 | 17 | 17 | Ridgeway, SC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Wateree | 3 | 17 | 17 | Ridgeway, SC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Wateree | 4 | 17 | 17 | Ridgeway, SC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Wateree | 5 | 6 | 6 | Ridgeway, SC | Hydro | Peaking | 104 | 32 | 2055 |
| DEC | Wylie | 1 | 18 | 18 | Fort Mill, SC | Hydro | Peaking | 98 | 32 | 2055 |
| DEC | Wylie | 2 | 18 | 18 | Fort Mill, SC | Hydro | Peaking | 98 | 32 | 2055 |
| DEC | Wylie | 3 | 18 | 18 | Fort Mill, SC | Hydro | Peaking | 98 | 32 | 2055 |
| DEC | Wylie | 4 | 6 | 6 | Fort Mill, SC | Hydro | Peaking | 98 | 32 | 2055 |
| DEP | Blewett | 1 | 4 | 4 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Blewett | 2 | 4 | 4 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Blewett | 3 | 4 | 4 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Blewett | 4 | 5 | 5 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Blewett | 5 | 5 | 5 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Blewett | 6 | 5 | 5 | Lilesville, NC | Hydro | Intermediate | 111 | 32 | 2055 |
| DEP | Marshall | 1 | 2 | 2 | Marshall, NC | Hydro | Intermediate | 113 | N/A | Exempt |
| DEP | Marshall | 2 | 2 | 2 | Marshall, NC | Hydro | Intermediate | 113 | N/A | Exempt |
| DEP | Tillery | 1 | 21 | 21 | Mt. Gilead, NC | Hydro | Intermediate | 98 | 32 | 2055 |
| DEP | Tillery | 2 | 18 | 18 | Mt. Gilead, NC | Hydro | Intermediate | 98 | 32 | 2055 |
| DEP | Tillery | 3 | 21 | 21 | Mt. Gilead, NC | Hydro | Intermediate | 98 | 32 | 2055 |
| DEP | Tillery | 4 | 25 | 25 | Mt. Gilead, NC | Hydro | Intermediate | 98 | 32 | 2055 |
| DEP | Walters | 1 | 36 | 36 | Waterville, NC | Hydro | Intermediate | 93 | 11 | 2034 |

| HYDRO | | | | | | | | | | |
|---|---------|------|----------------|----------------|----------------|--------------|------------------|----------------|--|-----------------------|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEP | Walters | 2 | 40 | 40 | Waterville, NC | Hydro | Intermediate | 93 | 11 | 2034 |
| DEP | Walters | 3 | 36 | 36 | Waterville, NC | Hydro | Intermediate | 93 | 11 | 2034 |
| Total DEC Hydro | | | 1,057 | 1,057 | | | | | | |
| Total DEP Hydro | | | 228 | 228 | | | | | | |
| Total NC Hydro | | | 845 | 845 | | | | | | |
| Total SC Hydro | | | 439 | 439 | | | | | | |
| Total DEC/DEP Hydro | | | 1,285 | 1,285 | | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | | |
| Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | | | | | | | | |
| Note: Model assumption is that hydro assets will be relicensed. | | | | | | | | | | |

Table B-7: Solar – Existing Generating Units and Ratings

| SOLAR | | | | | | | | |
|--|----------|----------------|----------------|----------|-----------|------------------|----------------|--|
| | | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEC | NC Solar | 182 | 182 | NC | Solar | Intermittent | Various | Varies |
| DEP | NC Solar | 155 | 155 | NC | Solar | Intermittent | Various | |
| Total DEC/DEP Solar | | 337 | 337 | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | |
| Note: Solar capacity ratings reflect nameplate capacity. | | | | | | | | |

Table B-8: Energy Storage – Existing Generating Units and Ratings

| ENERGY STORAGE | | | | | | | | | |
|---|---------------------|----------------|----------------|--------------------------------|------------------|----------------|------------------|----------------|--|
| | | WINTER (MW) | SUMMER (MW) | STORAGE DURATION (HOURS) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) |
| DEP | Asheville-Rock Hill | 8.8 | 8.8 | 1 | Asheville, NC | Energy Storage | Intermittent | 3 | 22 |
| DEP | Hot Springs | 4.4 | 4.4 | 1 | Hot Springs, NC | Energy Storage | Intermittent | 2 | 23 |
| DEP | Camp Lejeune | 11.0 | 11.0 | 1 | Camp Lejeune, NC | Energy Storage | Intermittent | - | 25 |
| Total Energy Storage | | 24.2 | 24.2 | | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | |
| Note: Resource type based on NERC capacity factor classifications, which may vary over the forecast period. | | | | | | | | | |

Table B-9: Nuclear – Existing Generating Units and Ratings

| NUCLEAR | | | | | | | | | | |
|--|-----------|------|----------------|----------------|------------------|--------------|------------------|----------------|--|-----------------------|
| | | UNIT | WINTER (MW) | SUMMER (MW) | LOCATION | FUEL TYPE | RESOURCE TYPE | AGE (YEARS) | ESTIMATED REMAINING LIFE (YEARS) | RELICENSING STATUS |
| DEC | McGuire | 1 | 1199 | 1158 | Huntersville, NC | Nuclear | Base | 42 | 18 | 2041 |
| DEC | McGuire | 2 | 1187 | 1158 | Huntersville, NC | Nuclear | Base | 39 | 20 | 2043 |
| DEC | Catawba | 1 | 1199 | 1160 | York, SC | Nuclear | Base | 38 | 20 | 2043 |
| DEC | Catawba | 2 | 1180 | 1150 | York, SC | Nuclear | Base | 37 | 20 | 2043 |
| DEC | Oconee | 1 | 865 | 847 | Seneca, SC | Nuclear | Base | 50 | 10 | 2033 |
| DEC | Oconee | 2 | 872 | 848 | Seneca, SC | Nuclear | Base | 49 | 10 | 2033 |
| DEC | Oconee | 3 | 881 | 859 | Seneca, SC | Nuclear | Base | 49 | 11 | 2034 |
| DEP | Brunswick | 1 | 975 | 938 | Southport, NC | Nuclear | Base | 46 | 13 | 2036 |
| DEP | Brunswick | 2 | 953 | 932 | Southport, NC | Nuclear | Base | 48 | 11 | 2034 |
| DEP | Harris | 1 | 1009 | 964 | New Hill, NC | Nuclear | Base | 37 | 23 | 2046 |
| DEP | Robinson | 2 | 793 | 759 | Hartsville, SC | Nuclear | Base | 53 | 7 | 2030 |
| Total DEC Nuclear | | | 7,383 | 7,180 | | | | | | |
| Total DEP Nuclear | | | 3,730 | 3,593 | | | | | | |
| Total NC Nuclear | | | 5,323 | 5,150 | | | | | | |
| Total SC Nuclear | | | 5,790 | 5,623 | | | | | | |
| Total DEC/DEP Nuclear | | | 11,113 | 10,773 | | | | | | |
| Note: Unit information is provided by state, but resources are dispatched on a systemwide basis. | | | | | | | | | | |
| Note: Catawba Units 1 and 2 capacity reflects 100% of the station's capability. Breakdown of Catawba ownership: DEC 19.246%; NCEMC 30.754%; NCMPA#1 37.5%; PMPA 12.5%. | | | | | | | | | | |
| Note: Model assumption is that nuclear assets will receive license renewal. | | | | | | | | | | |

Table B-10: Total Generation Capability

| TOTAL GENERATION CAPABILITY | | |
|---|----------------------|----------------------|
| | WINTER CAPACITY (MW) | SUMMER CAPACITY (MW) |
| TOTAL DEC SYSTEM – NC | 13,238 | 12,602 |
| TOTAL DEC SYSTEM – SC | 9,312 | 8,959 |
| TOTAL DEP SYSTEM – NC | 12,736 | 11,637 |
| TOTAL DEP SYSTEM – SC | 1,057 | 989 |
| TOTAL DEC/DEP SYSTEM – NC | 25,879 | 24,156 |
| TOTAL DEC/DEP SYSTEM – SC | 10,465 | 10,032 |
| TOTAL DEC/DEP SYSTEM | 36,343 | 34,187 |
| Note : Unit information is provided by state, but resources are dispatched on a systemwide basis. | | |

Table B-11 below provides a listing of the planned additions and uprates included in the 2023 Carolinas Resource Plan.

Table B-11: Planned Additions/Uprates

| PLANNED ADDITIONS / UPRATES | | | | | |
|--|----------------|----------------|----------------|-----------|-----------------|
| | UNIT | WINTER (MW) | SUMMER (MW) | DATE | GENERATION TYPE |
| DEC | Bad Creek 3 | 80 | 80 | Mar 2023 | Pumped Storage |
| DEC | Bad Creek 4 | 40 | 40 | Feb 2024 | Pumped Storage |
| DEC | Buck | 20 | 20 | June 2027 | Combined Cycle |
| DEC | Dan River | 20 | 20 | Dec 2027 | Combined Cycle |
| DEC | WS Lee | 14 | 14 | Dec 2026 | Combined Cycle |
| DEC | McGuire 1 | 75 | 75 | Sept 2029 | Nuclear |
| DEC | McGuire 2 | 75 | 75 | Nov 2030 | Nuclear |
| DEC | Catawba 1 | 75 | 75 | May 2031 | Nuclear |
| DEC | Oconee 1 | 15 | 15 | Jan 2024 | Nuclear |
| DEC | Oconee 2 | 15 | 15 | Jan 2024 | Nuclear |
| DEC | Oconee 3 | 15 | 15 | Jan 2024 | Nuclear |
| DEP | Asheville CC 1 | 15 | 15 | Apr 2026 | Combined Cycle |
| DEP | Asheville CC 2 | 15 | 15 | Apr 2026 | Combined Cycle |
| DEP | HF Lee CC | 60 | 60 | Dec 2025 | Combined Cycle |
| DEP | Richmond PB4 | 20 | 20 | June 2028 | Combined Cycle |
| DEP | Richmond PB5 | 40 | 40 | June 2028 | Combined Cycle |
| DEP | Sutton CC | 38 | 38 | Dec 2026 | Combined Cycle |
| DEP | Brunswick 1 | 13 | 13 | Mar 2029 | Nuclear |
| DEP | Brunswick 2 | 13 | 13 | Mar 2028 | Nuclear |
| DEC Total | | 444 | 444 | | |
| DEP Total | | 214 | 214 | | |
| DEC and DEP Total | | 658 | 658 | | |
| Note: This capacity not reflected in unit ratings in above tables. | | | | | |
| Note: Bad Creek Unit 4 uprate is modeled as 40 MW due to total plant limitation of 280 MW when uprates at all four units have been completed. | | | | | |

Tables B-12 below provide an overview of the unit retirements to date for both DEC and DEP while Table B-13 below provides a listing of the planning unit retirement dates included in the 2023 Carolinas Resource Plan.

Table B-12: Unit Retirements

| UNIT RETIREMENTS | | | | | | |
|------------------|--------------------------------|-----------------|----------------------------------|-----|-----------------|-----------------|
| | UNIT NAME | LOCATION | CAPACITY (MW) WINTER / SUMMER | | FUEL TYPE | RETIREMENT DATE |
| DEC | 99 Islands 5 | Blacksburg, SC | 0 | 0 | Hydro | 12/31/18 |
| DEC | 99 Islands 6 | Blacksburg, SC | 0 | 0 | Hydro | 12/31/18 |
| DEC | Allen 2 | Belmont, NC | 167 | 162 | Coal | 12/31/21 |
| DEC | Allen 3 | Belmont, NC | 270 | 258 | Coal | 3/31/21 |
| DEC | Allen 4 | Belmont, NC | 267 | 257 | Coal | 12/31/21 |
| DEC | Bryson City 1 ^F | Whittier, NC | 0.5 | 0.5 | Hydro | 8/16/19 |
| DEC | Bryson City 2 ^F | Whittier, NC | 0.4 | 0.4 | Hydro | 8/16/19 |
| DEC | Buck 3 ^A | Salisbury, NC | 76 | 75 | Coal | 5/15/11 |
| DEC | Buck 4 ^A | Salisbury, NC | 39 | 38 | Coal | 5/15/11 |
| DEC | Buck 5 ^C | Spencer, NC | 131 | 128 | Coal | 4/1/13 |
| DEC | Buck 6 ^C | Spencer, NC | 131 | 128 | Coal | 4/1/13 |
| DEC | Buck 7C ^B | Spencer, NC | 30 | 25 | Natural Gas/Oil | 10/1/12 |
| DEC | Buck 8C ^B | Spencer, NC | 30 | 25 | Natural Gas/Oil | 10/1/12 |
| DEC | Buck 9C ^B | Spencer, NC | 15 | 12 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 6C ^B | Chappels, SC | 22 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 7C ^B | Chappels, SC | 22 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 8C | Chappels, SC | 22 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 9C ^B | Chappels, SC | 22 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 10C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 11C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 12C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 13C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 14C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Buzzard Roost 15C ^B | Chappels, SC | 18 | 18 | Natural Gas/Oil | 10/1/12 |
| DEC | Cliffside 1 ^A | Cliffside, NC | 39 | 38 | Coal | 10/1/11 |
| DEC | Cliffside 2 ^A | Cliffside, NC | 39 | 38 | Coal | 10/1/11 |
| DEC | Cliffside 3 ^A | Cliffside, NC | 62 | 61 | Coal | 10/1/11 |
| DEC | Cliffside 4 ^A | Cliffside, NC | 62 | 61 | Coal | 10/1/11 |
| DEC | Dan River 1 ^A | Eden, NC | 69 | 67 | Coal | 4/1/12 |
| DEC | Dan River 2 ^A | Eden, NC | 69 | 67 | Coal | 4/1/12 |
| DEC | Dan River 3 ^A | Eden, NC | 145 | 142 | Coal | 4/1/12 |
| DEC | Dan River 4C ^B | Eden, NC | 0 | 0 | Natural Gas/Oil | 10/1/12 |
| DEC | Dan River 5C ^B | Eden, NC | 31 | 24 | Natural Gas/Oil | 10/1/12 |
| DEC | Dan River 6C ^B | Eden, NC | 31 | 24 | Natural Gas/Oil | 10/1/12 |
| DEC | Franklin 1 ^F | Franklin, NC | 0.5 | 0.5 | Hydro | 8/16/2019 |
| DEC | Franklin 2 ^F | Franklin, NC | 0.5 | 0.5 | Hydro | 8/16/2019 |
| DEC | Gaston Shoals 3 ^F | Blacksburg, SC | 0 | 0 | Hydro | 8/16/2019 |
| DEC | Gaston Shoals 4 ^F | Blacksburg, SC | 0 | 0 | Hydro | 8/16/19 |
| DEC | Gaston Shoals 5 ^F | Blacksburg, SC | 2 | 2 | Hydro | 8/16/19 |
| DEC | Gaston Shoals 6 ^F | Blacksburg, SC | 2.5 | 2.5 | Hydro | 8/16/19 |
| DEC | Great Falls 3 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Great Falls 4 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Great Falls 7 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |

| UNIT RETIREMENTS | | | | | | |
|------------------|----------------------------|-----------------|----------------------------------|-----|--------------------|-----------------|
| | UNIT NAME | LOCATION | CAPACITY (MW) WINTER / SUMMER | | FUEL TYPE | RETIREMENT DATE |
| DEC | Great Falls 8 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Lee 1 | Pelzer, SC | 100 | 100 | Coal | 11/6/14 |
| DEC | Lee 2 | Pelzer, SC | 102 | 100 | Coal | 11/6/14 |
| DEC | Lee 3 ^D | Pelzer, SC | 170 | 170 | Coal | 5/12/15 |
| DEC | Lee 3 | Pelzer, SC | 170 | 170 | Natural Gas Boiler | 3/31/22 |
| DEC | Mission 1 ^E | Murphy, NC | 0.6 | 0.6 | Hydro | 8/16/19 |
| DEC | Mission 2 ^E | Murphy, NC | 0.6 | 0.6 | Hydro | 8/16/19 |
| DEC | Mission 3 ^E | Murphy, NC | 0.6 | 0.6 | Hydro | 8/16/19 |
| DEC | Riverbend 4 ^A | Mt. Holly, NC | 96 | 94 | Coal | 4/1/13 |
| DEC | Riverbend 5 ^A | Mt. Holly, NC | 96 | 94 | Coal | 4/1/13 |
| DEC | Riverbend 6 ^C | Mt. Holly, NC | 136 | 133 | Coal | 4/1/13 |
| DEC | Riverbend 7 ^C | Mt. Holly, NC | 136 | 133 | Coal | 4/1/13 |
| DEC | Riverbend 8C ^B | Mt. Holly, NC | 0 | 0 | Natural Gas/Oil | 10/1/12 |
| DEC | Riverbend 9C ^B | Mt. Holly, NC | 30 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Riverbend 10C ^B | Mt. Holly, NC | 30 | 22 | Natural Gas/Oil | 10/1/12 |
| DEC | Riverbend 11C ^B | Mt. Holly, NC | 30 | 20 | Natural Gas/Oil | 10/1/12 |
| DEC | Rocky Creek 1 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 2 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 3 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 4 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 5 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 6 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 7 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Rocky Creek 8 | Great Falls, SC | 0 | 0 | Hydro | 5/31/18 |
| DEC | Tuxedo 1 ^E | Flat Rock, NC | 3.2 | 3.2 | Hydro | 8/16/19 |
| DEC | Tuxedo 2 ^E | Flat Rock, NC | 3.2 | 3.2 | Hydro | 8/16/19 |
| DEP | Asheville | Arden, NC | 158 | 155 | Coal | 1/29/20 |
| DEP | Asheville | Arden, NC | 192 | 189 | Coal | 1/29/20 |
| DEP | Cape Fear 5 | Moncure, NC | 148 | 144 | Coal | 10/1/12 |
| DEP | Cape Fear 6 | Moncure, NC | 175 | 172 | Coal | 10/1/12 |
| DEP | Cape Fear 1A | Moncure, NC | 14 | 11 | Oil | 3/31/13 |
| DEP | Cape Fear 1B | Moncure, NC | 14 | 12 | Oil | 3/31/13 |
| DEP | Cape Fear 2A | Moncure, NC | 15 | 12 | Oil | 3/31/13 |
| DEP | Cape Fear 2B | Moncure, NC | 14 | 11 | Oil | 10/1/12 |
| DEP | Cape Fear 1 | Moncure, NC | 12 | 11 | Steam Turbine | 3/31/11 |
| DEP | Cape Fear 2 | Moncure, NC | 12 | 7 | Steam Turbine | 3/31/11 |
| DEP | Darlington 1 | Hartsville, SC | 63 | 50 | Natural Gas/Oil | 3/20 |
| DEP | Darlington 2 | Hartsville, SC | 64 | 48 | Oil | 3/31/20 |
| DEP | Darlington 3 | Hartsville, SC | 63 | 50 | Natural Gas/Oil | 3/31/20 |
| DEP | Darlington 4 | Hartsville, SC | 66 | 48 | Oil | 3/31/20 |
| DEP | Darlington 5 | Hartsville, SC | 66 | 51 | Natural Gas/Oil | 5/31/18 |
| DEP | Darlington 6 | Hartsville, SC | 62 | 43 | Oil | 3/31/20 |
| DEP | Darlington 7 | Hartsville, SC | 65 | 47 | Natural Gas/Oil | 3/31/20 |
| DEP | Darlington 8 | Hartsville, SC | 66 | 44 | Oil | 3/31/20 |
| DEP | Darlington 9 | Hartsville, SC | 65 | 50 | Oil | 6/30/17 |

| UNIT RETIREMENTS | | | | | | |
|--|----------------|-------------------|----------------------------------|-------|-----------------|--------------------|
| | UNIT NAME | LOCATION | CAPACITY (MW) WINTER / SUMMER | | FUEL TYPE | RETIREMENT DATE |
| DEP | Darlington 10 | Hartsville, SC | 65 | 49 | Oil | 3/31/20 |
| DEP | Darlington 11 | Hartsville, SC | 67 | 52 | Natural Gas/Oil | 11/8/15 |
| DEP | Lee 1 | Goldsboro, NC | 80 | 74 | Coal | 9/15/12 |
| DEP | Lee 2 | Goldsboro, NC | 80 | 68 | Coal | 9/15/12 |
| DEP | Lee 3 | Goldsboro, NC | 252 | 240 | Coal | 9/15/12 |
| DEP | Lee 1 | Goldsboro, NC | 15 | 12 | Oil | 10/1/12 |
| DEP | Lee 2 | Goldsboro, NC | 27 | 21 | Oil | 10/1/12 |
| DEP | Lee 3 | Goldsboro, NC | 27 | 21 | Oil | 10/1/12 |
| DEP | Lee 4 | Goldsboro, NC | 27 | 21 | Oil | 10/1/12 |
| DEP | Morehead 1 | Morehead City, NC | 15 | 12 | Oil | 10/1/12 |
| DEP | Robinson 1 | Hartsville, SC | 179 | 177 | Coal | 10/1/12 |
| DEP | Robinson 1 | Hartsville, SC | 15 | 11 | Natural Gas/Oil | 3/31/13 |
| DEP | Weatherspoon 1 | Lumberton, NC | 49 | 48 | Coal | 9/30/11 |
| DEP | Weatherspoon 2 | Lumberton, NC | 49 | 48 | Coal | 9/30/11 |
| DEP | Weatherspoon 3 | Lumberton, NC | 79 | 74 | Coal | 9/30/11 |
| DEP | Sutton 1 | Wilmington, NC | 98 | 97 | Coal | 11/27/13 |
| DEP | Sutton 2 | Wilmington, NC | 95 | 90 | Coal | 11/27/13 |
| DEP | Sutton GT1 | Wilmington, NC | 12 | 11 | Oil/Natural Gas | 3/1/17 |
| DEP | Sutton GTA | Wilmington, NC | 31 | 23 | Oil/Natural Gas | 7/8/17 |
| DEP | Sutton GTB | Wilmington, NC | 33 | 25 | Oil/Natural Gas | 7/8/17 |
| Total DEC Retirements | | | 3,010 | 2,899 | | |
| Total DEP Retirements | | | 2,629 | 2,329 | | |
| Total NC Retirements | | | 3,990 | 3,767 | | |
| Total SC Retirements | | | 1,649 | 1,461 | | |
| Total DEC/DEP Retirements | | | 5,639 | 5,228 | | |
| Note A: Unit ratings are based off rating at the time of retirement which may be different than original unit rating. | | | | | | |
| Note B: Retirement assumptions associated with the conditions in the North Carolina Utilities Commission Order in Docket No. E-7, Sub 790, granting a Certificate of Public Convenience and Necessity to build Cliffside Unit 6. | | | | | | |
| Note C: Combustion turbines retirement dates were accelerated in 2009 based on derates, availability of replacement parts and the general condition of the remaining units. | | | | | | |
| Note D: The decision was made to retire Buck 5 and 6 and Riverbend 6 and 7 early on April 1, 2013. The original expected retirement date was April 15, 2015. | | | | | | |
| Note E: The conversion of the Lee 3 coal unit to a natural gas unit was effective March 12, 2015. | | | | | | |
| Note F: Sold to Northbrook Energy on August 16, 2019. | | | | | | |

Table B-13: Planning Unit Retirements

| PLANNING UNIT RETIREMENTS ^{A,B,C,D} | | | | | | |
|--|-------------------|----------------------------------|-------|------------------|-----------------|---------------------|
| | UNIT & PLANT NAME | CAPACITY (MW) WINTER / SUMMER | | LOCATION | FUEL TYPE | EXPECTED RETIREMENT |
| DEC | Allen 1 | 167 | 162 | Belmont, NC | Coal | See Appendix F |
| DEC | Allen 5 | 275 | 266 | Belmont, NC | Coal | See Appendix F |
| DEP | Asheville 3 | 185 | 160 | Arden, NC | Natural Gas/Oil | 12/2039 |
| DEP | Asheville 4 | 185 | 160 | Arden, NC | Natural Gas/Oil | 12/2039 |
| DEC | Belews Creek 1 | 1,110 | 1,110 | Belews Creek, NC | Coal | See Appendix F |
| DEC | Belews Creek 2 | 1,110 | 1,110 | Belews Creek, NC | Coal | See Appendix F |
| DEP | Blewett 1 | 17 | 13 | Lilesville, NC | Oil | 12/2039 |
| DEP | Blewett 2 | 17 | 13 | Lilesville, NC | Oil | 12/2039 |
| DEP | Blewett 3 | 65 | 13 | Lilesville, NC | Oil | 12/2039 |
| DEP | Blewett 4 | 66 | 13 | Lilesville, NC | Oil | 12/2039 |
| DEC | Buck CTCC | 718 | 668 | Salisbury, NC | Natural Gas | 12/2047 |
| DEC | Cliffside 5 | 546 | 544 | Cliffside, NC | Coal | See Appendix F |
| DEC | Cliffside 6 | 844 | 844 | Cliffside, NC | Coal | See Appendix F |
| DEP | Darlington 12 | 131 | 118 | Hartsville, SC | Natural Gas/Oil | 12/2039 |
| DEP | Darlington 13 | 133 | 116 | Hartsville, SC | Natural Gas/Oil | 12/2039 |
| DEP | HF Lee CTCC | 1,054 | 888 | Goldsboro, NC | Natural Gas | 12/2048 |
| DEC | Lee 7C | 48 | 42 | Pelzer, SC | Natural Gas/Oil | 12/2047 |
| DEC | Lee 8C | 48 | 42 | Pelzer, SC | Natural Gas/Oil | 12/2047 |
| DEC | Lincoln 1 | 94 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 2 | 96 | 74 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 3 | 95 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 4 | 94 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 5 | 93 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 6 | 93 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 7 | 95 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 8 | 94 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 9 | 94 | 71 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 10 | 96 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 11 | 95 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 12 | 94 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 13 | 93 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 14 | 94 | 72 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 15 | 94 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Lincoln 16 | 93 | 73 | Stanley, NC | Natural Gas/Oil | 12/2040 |
| DEC | Marshall 1 | 380 | 370 | Terrell, NC | Coal | See Appendix F |
| DEC | Marshall 2 | 380 | 370 | Terrell, NC | Coal | See Appendix F |
| DEC | Marshall 3 | 658 | 658 | Terrell, NC | Coal | See Appendix F |
| DEC | Marshall 4 | 660 | 660 | Terrell, NC | Coal | See Appendix F |
| DEP | Mayo 1 | 746 | 727 | Roxboro, NC | Coal | See Appendix F |
| DEC | Mill Creek 1 | 94 | 71 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 2 | 94 | 70 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 3 | 95 | 71 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |

| PLANNING UNIT RETIREMENTS ^{A,B,C,D} | | | | | | |
|--|-------------------|----------------------------------|--------|----------------|-----------------|---------------------|
| | UNIT & PLANT NAME | CAPACITY (MW) WINTER / SUMMER | | LOCATION | FUEL TYPE | EXPECTED RETIREMENT |
| DEC | Mill Creek 4 | 94 | 70 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 5 | 94 | 69 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 6 | 92 | 71 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 7 | 95 | 70 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Mill Creek 8 | 93 | 71 | Blacksburg, SC | Natural Gas/Oil | 12/2043 |
| DEC | Rockingham 1 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | 12/2040 |
| DEC | Rockingham 2 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | 12/2040 |
| DEC | Rockingham 3 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | 12/2040 |
| DEC | Rockingham 4 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | 12/2040 |
| DEC | Rockingham 5 | 179 | 165 | Reidsville, NC | Natural Gas/Oil | 12/2040 |
| DEP | Roxboro 1 | 380 | 379 | Semora, NC | Coal | See Appendix F |
| DEP | Roxboro 2 | 673 | 665 | Semora, NC | Coal | See Appendix F |
| DEP | Roxboro 3 | 698 | 691 | Semora, NC | Coal | See Appendix F |
| DEP | Roxboro 4 | 711 | 698 | Semora, NC | Coal | See Appendix F |
| DEP | Smith 1 | 192 | 157 | Hamlet, NC | Natural Gas/Oil | 12/2041 |
| DEP | Smith 2 | 192 | 156 | Hamlet, NC | Natural Gas/Oil | 12/2041 |
| DEP | Smith 3 | 192 | 155 | Hamlet, NC | Natural Gas/Oil | 12/2041 |
| DEP | Smith 4 | 192 | 159 | Hamlet, NC | Natural Gas/Oil | 12/2041 |
| DEP | Smith 6 | 192 | 145 | Hamlet, NC | Natural Gas/Oil | 12/2041 |
| DEP | Smith CTCC 4 | 570 | 475 | Hamlet, NC | Natural Gas | 12/2042 |
| DEP | Smith CTCC 5 | 680 | 608 | Hamlet, NC | Natural Gas | 12/2047 |
| DEP | Sutton CTCC | 719 | 614 | Wilmington, NC | Natural Gas | 12/2049 |
| DEP | Wayne 1/10 | 195 | 169 | Goldsboro, NC | Oil/Natural Gas | 12/2040 |
| DEP | Wayne 2/11 | 195 | 174 | Goldsboro, NC | Oil/Natural Gas | 12/2040 |
| DEP | Wayne 3/12 | 195 | 164 | Goldsboro, NC | Oil/Natural Gas | 12/2040 |
| DEP | Wayne 4/13 | 195 | 162 | Goldsboro, NC | Oil/Natural Gas | 12/2040 |
| DEP | Wayne 5/14 | 195 | 153 | Goldsboro, NC | Oil/Natural Gas | 12/2040 |
| DEP | Weatherspoon 1 | 41 | 32 | Lumberton, NC | Natural Gas/Oil | 12/2039 |
| DEP | Weatherspoon 2 | 41 | 32 | Lumberton, NC | Natural Gas/Oil | 12/2039 |
| DEP | Weatherspoon 3 | 41 | 33 | Lumberton, NC | Natural Gas/Oil | 12/2039 |
| DEP | Weatherspoon 4 | 41 | 31 | Lumberton, NC | Natural Gas/Oil | 12/2039 |
| Total DEC | | 10,097 | 9,395 | | | |
| Total DEP | | 9,129 | 8,069 | | | |
| Total DEC/DEP | | 19,226 | 17,464 | | | |
| Total DEC NC | | 9,250 | 8,748 | | | |
| Total DEC SC | | 847 | 647 | | | |
| Total DEP NC | | 8,865 | 7,839 | | | |
| Total DEP SC | | 264 | 230 | | | |

Note A: Retirement assumptions are for planning purposes only; retirement dates determined in analysis.

Note B: Only retirement dates within the planning horizon are included in this table.

Note C: For planning purposes, the 2023 Carolinas Resource Plan assumes Subsequent License Renewal ("SLR") for existing nuclear facilities beginning at end of current licenses. Total planning retirements exclude nuclear capacities.

Note D: Details on coal unit retirement dates may be found in Appendix F (Coal Retirement Analysis).

Table B-14: Operating License Renewal

| Operating License Renewal - Nuclear | | | | | |
|---|---------------------|------------------|---------------------------------------|------------------|---------------------------------------|
| | Plant and Unit Name | Location | Original Operating License Expiration | Date of Approval | Extended Operating License Expiration |
| DEC | Catawba Unit 1 | York, SC | 12/6/2024 | 12/5/2003 | 12/5/2043 |
| DEC | Catawba Unit 2 | York, SC | 2/24/2026 | 12/5/2003 | 12/5/2043 |
| DEC | McGuire Unit 1 | Huntersville, NC | 6/12/2021 | 12/5/2003 | 3/3/2041 |
| DEC | McGuire Unit 2 | Huntersville, NC | 3/3/2023 | 12/5/2003 | 3/3/2043 |
| DEC | Oconee Unit 1 | Seneca, SC | 2/6/2013 | 5/23/2000 | 2/6/2033 |
| DEC | Oconee Unit 2 | Seneca, SC | 10/6/2013 | 5/23/2000 | 10/6/2033 |
| DEC | Oconee Unit 3 | Seneca, SC | 7/19/2014 | 5/23/2000 | 7/19/2034 |
| DEP | Robinson 2 | Hartsville, SC | 07/31/2010 | 04/19/2004 | 07/31/2030 |
| DEP | Brunswick 2 | Southport, NC | 12/27/2014 | 06/26/2006 | 12/27/2034 |
| DEP | Brunswick 1 | Southport, NC | 09/08/2016 | 06/26/2006 | 09/08/2036 |
| DEP | Harris #1 | New Hill, NC | 10/24/2026 | 12/17/2008 | 10/24/2046 |
| Note: See Appendix J (Nuclear) for details on SLRs that will extend the operation of the nuclear fleet beyond the Extended Operating License Expiration dates listed above. | | | | | |

Wholesale Purchases

Tables B-15 and B-16 below contain a summary of DEC and DEP wholesale sales contracts, while Tables B-17 and B-18 below contain a summary of DEC and DEP firm wholesale purchased power contracts.

Table B-15: DEC Aggregated Wholesale Sales Contracts

| DEC Aggregated Wholesale Sales Contracts - Winter | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| MW | 1,927 | 1,950 | 1,965 | 1,980 | 1,998 | 2,014 | 2,028 | 2,041 | 2,054 |
| Note: For wholesale contracts, DEC and DEP assume all wholesale contracts will renew unless there is an indication that the contract will not be renewed. | | | | | | | | | |
| Note: For the period that the wholesale load is undesignated, contract volumes are projected using the same methodology as was assumed in the original contract (e.g., econometric modeling, past volumes with weather normalization and growth rates, etc.). | | | | | | | | | |

Table B-16: DEP Aggregated Wholesale Sales Contracts

| DEP Aggregated Wholesale Sales Contracts - Winter | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| MW | 4,100 | 4,140 | 4,169 | 4,226 | 4,279 | 4,304 | 4,357 | 4,402 | 4,445 |
| Note: For wholesale contracts, DEC and DEP assume all wholesale contracts will renew unless there is an indication that the contract will not be renewed. | | | | | | | | | |
| Note: For the period that the wholesale load is undesignated, contract volumes are projected using the same methodology as was assumed in the original contract (e.g., econometric modeling, past volumes with weather normalization and growth rates, etc.). | | | | | | | | | |

Table B-17: DEC Firm Wholesale Purchase Power Contracts

| Purchased Power Contract | Winter Capacity (MW) | Location | Volume of Purchases (MWh) (Jan '22 – Dec '22) |
|---|----------------------|--------------|--|
| Peaking / Gas | 5 | NC | 6,939 |
| Intermediate / Hydro | 8 | SC - GA - AL | 13,632 |
| Peaking / Fuel Oil | 16 | NC | 242,550 |
| Base / Nuclear | 51 | NC | 446,760 |
| Base / System | 2 | NC | 17,520 |
| Note: Data represented above represents contractual agreements. These resources may be modeled differently in the IRP. | | | |

Table B-18: DEP Firm Wholesale Purchase Power Contracts

| Purchased Power Contract | Winter Capacity (MW) | Location | Volume of Purchases (MWh) (Jan '22 – Dec '22) |
|---|----------------------|----------|--|
| Peaking / Gas | 1,725 | NC/SC | 1,754,941 |
| Intermediate / Gas | 649 | NC | 2,001,430 |
| Note: Data represented above represents contractual agreements. These resources may be modeled differently in the IRP. | | | |

Non-Utility Generation Summary

Table B-19 below contains a summary of the non-utility generation contracts for DEC by state and Table B-20 below provides similar information for DEP. This information reflects contracts as of December 31, 2022.

Table B-19: DEC Non-Utility Generation Summary

| Generation Type | Designation | Utility | State | No. of Facilities | Capacity (MW AC) |
|-----------------|--------------|---------|-------|-------------------|------------------|
| Biomass | Intermediate | DEC | NC | 18 | 50 |
| Coal | - | DEC | NC | 1 | 0.01 |
| Hydroelectric | Baseload | DEC | NC | 23 | 32 |
| Natural Gas | Intermediate | DEC | NC | 1 | 500 |
| Nuclear | - | DEC | NC | 1 | 0.01 |
| Other | Intermediate | DEC | NC | 9 | 4 |
| Solar | Intermediate | DEC | NC | 18,953 | 1,291 |
| Battery | - | DEC | SC | 1 | 0.1 |
| Biomass | Intermediate | DEC | SC | 3 | 8 |
| Hydroelectric | Baseload | DEC | SC | 14 | 37 |
| Natural Gas | Intermediate | DEC | SC | 2 | 136 |
| Other | - | DEC | SC | 2 | 0.001 |
| Solar | Intermediate | DEC | SC | 11,163 | 190 |
| Wind | Intermediate | DEC | SC | 1 | 0 |
| DEC NC Total | | | | 19,006 | 1,877 |
| DEC SC Total | | | | 11,186 | 371 |
| DEC NC/SC Total | | | | 30,192 | 2,248 |

Table B-20: DEP Non-Utility Generation Summary

| Generation Type | Designation | Utility | State | No. of Facilities | Capacity (MW AC) |
|-----------------|--------------|---------|-------|-------------------|------------------|
| Biomass | Intermediate | DEP | NC | 17 | 157 |
| Diesel | Peaking | DEP | NC | 17 | 9 |
| Hydroelectric | Baseload | DEP | NC | 15 | 16 |
| Natural Gas | Intermediate | DEP | NC | 1 | 273 |
| Other | Intermediate | DEP | NC | 4 | 5 |
| Solar | Intermediate | DEP | NC | 18,093 | 2,941 |
| Wind | Intermediate | DEP | NC | 4 | 0.02 |
| Biomass | Intermediate | DEP | SC | 2 | 12 |
| Diesel | Peaking | DEP | SC | 1 | 0.4 |
| Solar | Intermediate | DEP | SC | 2,091 | 127 |
| DEP NC Total | | | | 18,151 | 3,401 |
| DEP SC Total | | | | 2,094 | 139 |
| DEP NC/SC Total | | | | 20,245 | 3,540 |