

| | A | B | C | D | E | F | G | H |
|----|---|---------------|-------------------------|---------------|---------------|------------------|---------------|--|
| 2 | Duke Energy Carolinas and Duke Energy Progress Gas Capacity Additions in MW, 2021-2035 | | | | | | | |
| 3 | (Base case without carbon policy, 2020 IRP, winter resource planning) | | | | | | | |
| 4 | ADDITIONS | DEP-CT | DEP-CC | DEC-CT | DEC-CC | Total MWs | #units | Notes |
| 5 | 2021 | | | | | | | |
| 6 | | | | | | | | |
| 7 | 2022 | | | | | | | |
| 8 | 2023 | | | | | | | |
| 9 | 2024 | | | | | | | |
| 10 | 2025 | | | 402 | | 402 | 2 | METHOD FOR ESTIMATING NUMBER OF NEW GAS UNITS THAT ARE PLANNED: One "unit" is one turbine-generator set. Using the list of planned gas additions in Duke Energy's 2020 IRP, we count a 612 MW CC as three units, two gas turbine-generators and one steam turbine-generator; a 457 MW CT as three ~150 MW gas turbine-generator units; and the new 402 MW Lincoln advanced combustion turbine as one gas-turbine generator and one steam turbine-generator. As shown in col. G, this is a total addition of 59 turbine-generator units (41 CTs and 18 units at CCs) between 2025 and 2035. These totals do not include the 8 dual-fuel modifications already built or due to come online in 2021 without having received formal approval from the NC Utilities Commission (more details here). |
| 11 | 2026 | 457 | | | | 457 | 3 | |
| 12 | 2027 | 457 | | | | 457 | 3 | |
| 13 | 2028 | 1,371 | | | | 1,371 | 9 | |
| 14 | 2029 | 913 | 1,224 | 457 | | 2,594 | 15 | |
| 15 | 2030 | | | 457 | | 457 | 3 | |
| 16 | 2031 | 457 | | | | 457 | 3 | |
| 17 | 2032 | | | | | | | |
| 18 | 2033 | 457 | | 457 | | 914 | 6 | |
| 19 | 2034 | | | | | | | |
| 20 | 2035 | | | 457 | 2,448 | 2,905 | 15 | |
| 21 | TOTAL | 4,112 | 1,224 | 2,230 | 2,448 | 10,014 | 59 | <i>Calculations by Bill Powers, P.E., for NC WARN</i> |
| 22 | | | | | | | | |
| 23 | IRP = Integrated Resource Plan | | | | | | | |
| 24 | DEC = Duke Energy Carolinas | | | | | | | |
| 25 | DEP = Duke Energy Progress | | | | | | | |
| 26 | CC = combined cycle | | | | | | | |
| 27 | CT = combustion turbine | | | | | | | |
| 28 | | | | | | | | |
| 29 | Sources: | page 109 | DEC IRP | | | | | |
| 30 | | page 110 | DEP IRP | | | | | |