

	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					