

CBC Forecast of 2040 Capacity (MW) Resources to Meet CLCPA Goals

	2017 GWh	2025 GWh	2030 GWh	2035 GWh	2040 GWh	C.F. %	2040 MW
Existing Hydro	37,913	37,913	37,913	37,913	37,913		4,253
Existing Wind	5,170	5,170	5,170	5,170	5,170		1,739
Existing large-scale solar							32
Existing other renewable							327
NYSERDA Renewable Pipeline Wind		10,884	10,884	10,884	7,075	26%	3,106
NYSERDA Renewable Pipeline Solar					3,809	20%	2,174
Existing Nuclear	49,062	33,687	16,987	16,987	16,987		
Natural Gas	52,728	57,388	44,413	22,206			
CLCPA Solar		8,400	8,400	8,400	8,400	20%	4,795
CLCPA Wind		6,300	22,050	37,800	37,800	48%	8,990
Coal, Oil & Solid Waste	8,289						
Additional Residential Solar					15,971	16%	11,395
Additional Utility-Scale Solar			35,283	56,740	15,971	20%	9,116
Additional On-Shore Wind					31,002	26%	13,612
Additional Off-Shore Wind					31,002	48%	7,373
TOTAL GENERATION	153,163	159,742	181,100	196,100	211,100		

Total Residential Solar	11,395
Total Utility-Scale Solar	16,117
Total On-Shore Wind	18,457
Total Off-Shore Wind	16,363