

Table 2: Renewable Energy Source Percentages

from NYS DPS/NYSERDA “Initial Report on the New York Power Grid Study
Appendix E, Zero Emissions Electric Grid in New York by 2040 Study” 1/19/2021

	Power Grid Study			Alternative			Comment
	Capacity (MW)	Energy (GWh)	Capacity Factor	Capacity (MW)	Energy (GWh)	Capacity Factor	
Energy Demand		151,605			153,973		Gold Book
Total RE Generation		106,124			103,243		
RE Gen % of Demand		70.0%			67.1%		
NYC Tx	1,250	9,930	90.7%	1,250	9,930	90.7%	
Legacy Can. Hydro		10,009			10,009		
DG Solar	5,323	7,994	17.1%	5,323	6,468	13.9%	Solar Study C.F.
Grid Solar	3,808	5,571	16.7%	3,808	5,871	17.6%	Gold Book
Land-based Wind	6,230	18,888	34.6%	6,230	17,214	31.5%	See text
Offshore Wind	6,000	24,062	45.8%	6,000	24,072	45.8%	
NY Hydro		28,039			28,039		
Other Renewables		1,640			1,640		
Energy Storage	3,000						