## **CBC Getting Greener Comparison of Energy Resources**

Table 3: Additional Renewable Energy Sources Needed by 2030 and 2040

	2030 Goa		2040 Goal
Renewable Energy Goal Calculations	70% (GWI	) 1	.00% (GWh)
Projected 2030 total energy required	141,00	0	141,000
Target energy to be provided by renewable resources	98,70	0	
Target energy to be provided by zero emissions resources			141,000
Existing renewables at the end of 2017	43,10	0	43,100
Renewables required in 2040 if nuclear is not included			97,900
Licensed nuclear power resources that may still be in operation in 2040			10,100
Minimum incremental renewable resources needed	55,60	0	87,800

## APPENDIX C: MEETING FUTURE RENEWABLE ENERGY REQUIREMENTS Forecast of Power (GWh) Resources to Meet CLCPA Goals

Energy Resource	2017	2025	2030	2035	2040
Existing Renewables	43,083	43,083	43,083	43,083	43,083
NYSERDA Renewable Pipeline		10,884	10,884	10,884	10,884
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
CLCPA Wind		6,300	22,050	37,800	37,800
Coal, Oil & Solid Waste	8,289				
Additional Renewables			35,283	56,740	93,946
TOTAL GENERATION	153,163	159,742	181,100	196,100	211,100

Comparison of Tables	2030	2040
Table 3 - Projected total energy required	141,000	141,000
Table 3 - Target energy to be provided by renewable resources	98,700	141,000
Table 3 - Existing renewables at the end of 2017	43,100	43,100
Table 3 - nuclear power resources that may still be in operation in 2040		10,100
Table 3 - Minimum incremental renewable resources needed	55,600	87,800
Table 3 Total Renewables	98,700	141,000
Appendix C - Existing Renewables	43,083	43,083
Appendix C - NYSERDA Renewable Pipeline	10,884	10,884
Appendix 3 - Existing Nuclear		16,987
Appendix C - CLCPA Solar	8,400	8,400
Appendix C - CLCPA Wind	22,050	37,800
Appendix C - Additional Renewables	35,283	93,946
Appendix C Total Renewables	119,700	211,100