

Table 1: Summary of Costs of Cuomo Executive Order 166

	Program Costs		Generation	Displaced CO2	Cost per ton	Comment
	Ten Year \$millions	Annual \$millions	Annual MWhrs	Annual tons	\$ per ton CO2	
Clean Energy Standard						
Renewable Energy Standard						
Tier 1: New renewable obligation for utilities	\$ 98	\$ 10	2,367,003	1,420,202	\$ 6.90	Surcharge to supplement renewable subsidies
Tier 2: Obligation for older generators in financial risk						
Tier 3: Off-shore wind	\$ 4,800	\$ 480	7,008,000	4,204,800	\$ 114.16	Assumed 2 gigawatts of the up to 2.4 gigawatts announced
Zero Emission Credits	\$ 4,630	\$ 463	26,400,000	15,840,000	\$ 29.23	
Clean Energy Fund	\$ 5,000	\$ 500	491,031	294,619	\$ 1,697.11	Note that NYSERDA claimed savings of 482,451
NY-Sun	\$ 1,000	\$ 100	3,942,000	2,365,200	\$ 42.28	
New York Green Bank	Note 1	\$ 121		3,196,699	\$ 37.85	2016 data that included estimate of CO2 savings but no MWhr
Totals Cuomo Executive Order 166	\$15,528	\$ 1,674		27,321,520	\$ 61.26	Excludes company specific REV demonstration projects
Note 1: The Green Bank is supposed to be self supporting so I assumed no ten year cost						
This analysis assumes that renewable generation displaces natural gas at 1200 lb of CO2 per MWhr						
Note NYSERDA claimed savings of 482,451 for the Clean Energy Fund - a rate of 1965 lbs of CO2/MWhr						
NYS average CO2 per MWhr has been below 1200 lb since 2011						