Greenhouse Gas Emission Reduction Effects

Scenario: Table S-2. New York State GHG Emissions, 1990–2015 (MMtCO2e) NYSERDA GHG Emission Inventory updated September 2018

Scenario Reduction 218.14 million metric tons

Analysis of Carbon Dioxide Emissions and Potential "Savings" in Future Global Temperature and Global Sea Level Rise from a Complete Cessation of All CO2 Emissions in New York and the United States

http://scienceandpublicpolicy.org/images/stories/papers/originals/state_by_state.pdf

Scenario	CO2 Emissions Million Metric Tons	Percentage of Global Total	Time (Days) Until Total Emissions Subsumed by Global Growth		Temperature "Savings" Deg C		Sea-Level "Savings" (cm)	
			Global Growth	China Growth	2050	2100	2050	2100
NY Observed 2010	172.8	0.55%	79	121	0.0025	0.0053	0.0184	0.0552
US Observed 2010	5631.3	17.88%	2,563	3,954	0.083	0.172	0.6	1.8
Scenario GHG Reduction	218.14	0.6926%	99.28	153.17	0.00322	0.00666	0.02324	0.06973

Temperature Reduction Impact in 2100 Relative to Elevation or Latitude Change

http://landterms.com/Articles_and_FAQ_s/Conservation_and_Ecology_Articles_and_FAQ_s/Latitude__Elevation_and_Temperature/

Generally, temperature decreases three (3) degrees Fahrenheit for every 1,000 foot increase in elevation above sea level.

Elevation Change (ft)	Temp Change (Deg F)	Scenario (Deg F)	Elevation (inches)
1000	3	0.00666	26.7

The general rule is that temperature changes three (3) degrees Fahrenheit for every 300 mile change in latitude at an elevation of sea level.

Distance South (miles)	Temp Change (Deg F)	Scenario (Deg F)	Distance (feet)
300	3	0.00666	3517.9