

Analysis of Carbon Dioxide Emissions and Potential "Savings" in Future Global Temperature and Global Sea Level Rise from a Complete Cessation of 2019 Pennsylvania Electric Sector CO2 Emissions

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

Scenario Reduction 75.11 million metric tons

Scenario	CO2 Emissions Million Metric Tons	Percentage of Global Total	Time (Days) Until Total Emissions Subsumed by Chinese Coal		Temperature "Savings" Deg C		Sea-Level "Savings" (cm)	
			Completed in 2019 & Under Construction	Completed in 2019	2050	2100	2050	2100
			US Observed 2010	5631.3	17.88%	11,474	29,126	0.0830
Scenario GHG Reduction	75.11	0.2385%	153	389	0.00111	0.00229	0.00800	0.02401

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	0.00229	9.177

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)	Distance (miles)
300	3	0.00229	1211.4	0.21