Figure 1 — CO₂ Levels vs. Volcanic Activity

Note: Stratospheric Optical Thickness is the measure of aerosols (e.g., urban haze, smoke particles, desert dust, sea salt) distributed within a column of air from the instrument (Earth’s surface) to the top of the atmosphere.


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Figure 2 — Temperature vs. Solar Activity

Note: Total Solar Irradiance is the power per unit area produced by the Sun.


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Figure 3 — Heat-Trapping Gas Levels

Source: Adapted from: Climate Change 2013: The Physical Science Basis
Figure 4 — Atmospheric Carbon Dioxide Levels

Source: Katharine Hayhoe, Texas Tech University
Figure 5 — Carbon Emissions in the Industrial Age

Figure 6 — Sources and Sinks in U.S. Agriculture and Forests

Figure 7 — U.S. Greenhouse Gas Emissions and Sinks by Economic Sector from 1990–2014


Figure 8 — U.S. Methane Emissions, by source


Figure 9 — World Population: 1950-2050

Figure 10 — Energy Consumption in the United States (1776-2014)

(Source: U.S. Energy Information Administration, Monthly Energy Review)