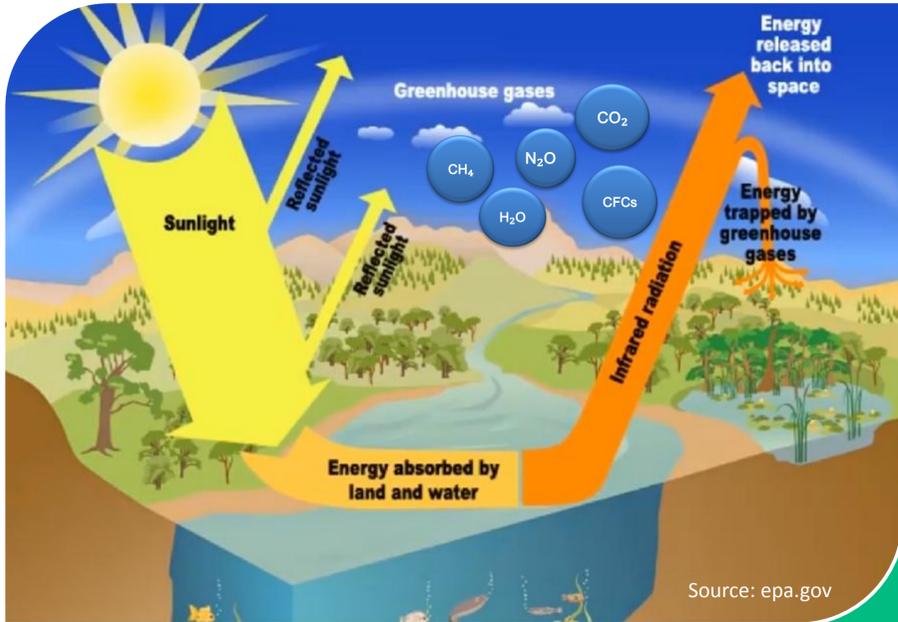


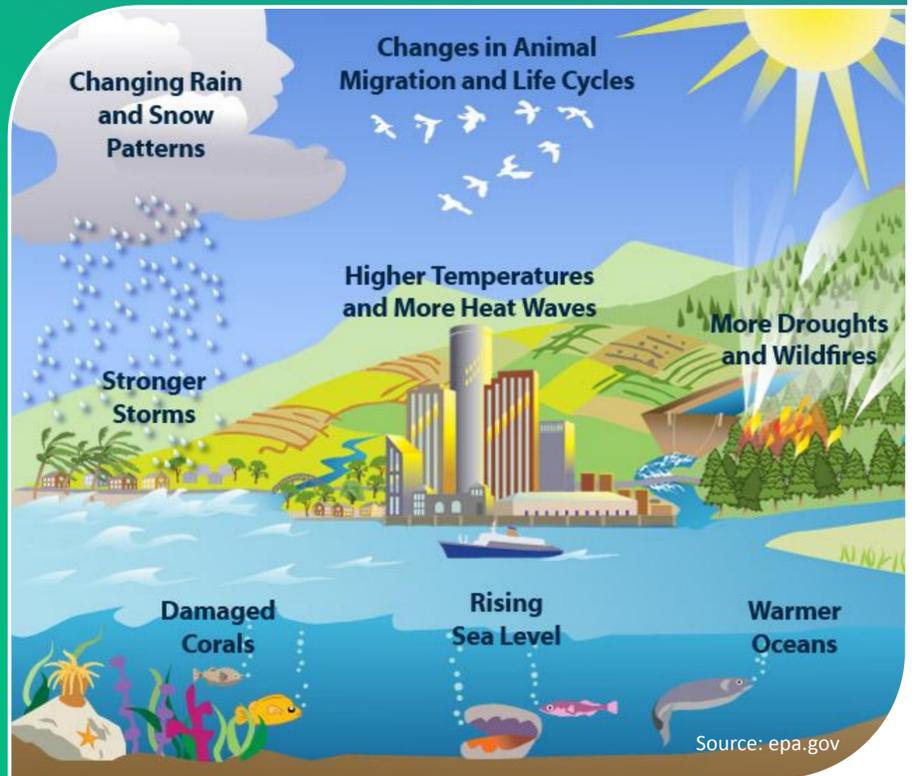
Our Changing Climate



What is Climate Change?

Climate change is the global, long-term shift in weather patterns. Changes occur in overall weather patterns such as precipitation, temperatures, and cloud cover leading to many impactful effects.¹

Effects



Causes

- The greenhouse effect is a natural process in which greenhouse gases in the atmosphere absorb heat from solar radiation and maintain Earth's life supporting temperatures.²
- Over the last 100 years the burning of fossil fuels and a variety of human activities has increased carbon dioxide and other greenhouse gases in the atmosphere. This has intensified the greenhouse effect by trapping extra heat and raising the Earth's average surface temperature by 1.4°F over that time.³

Information Sources: 1. ecolife.com/define/climate-change 2. climate.nasa.gov/causes 3. epa.gov/climatechange

Local Impacts



Sea Level Rise



Extreme Weather



Extreme Heat



Salt-water Intrusion



Coral Bleaching

Source: soils.ifas.ufl.edu

Tackling Climate Change

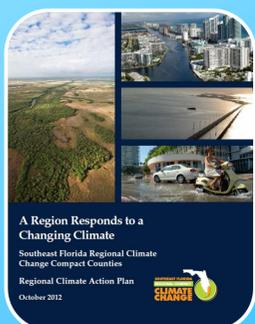
Mitigation

We can respond by making efforts to slow future climate change by reducing the flow of heat-trapping greenhouse gases into the atmosphere and enhancing the "sinks" that accumulate and store these gases (such as the oceans, forests and soils).

Adaptation

We can also respond to climate change by acting to address our vulnerability. By anticipating, strategizing, planning, and building accordingly we can reduce potential harm.

Regional Climate Action Plan



- Adopted on April 15, 2014.
- Provides 110 adaptation and mitigation strategies for building community resilience.
- Palm Beach is working alongside Broward, Miami-Dade and Monroe counties and the municipalities to implement the plan.
- For more information, visit: southeastfloridacclimatecompact.org

Learn More



Palm Beach County Response to a Changing Climate pbcgov.com/climate



U.S. Environmental Protection Agency epa.gov/climatechange



NASA Global Climate Change climate.nasa.gov



U.S. Global Change Research Program globalchange.gov/climate-change