

Changes in Sea Level at Sandy Hook

Greenhouse Gases (GHGs)

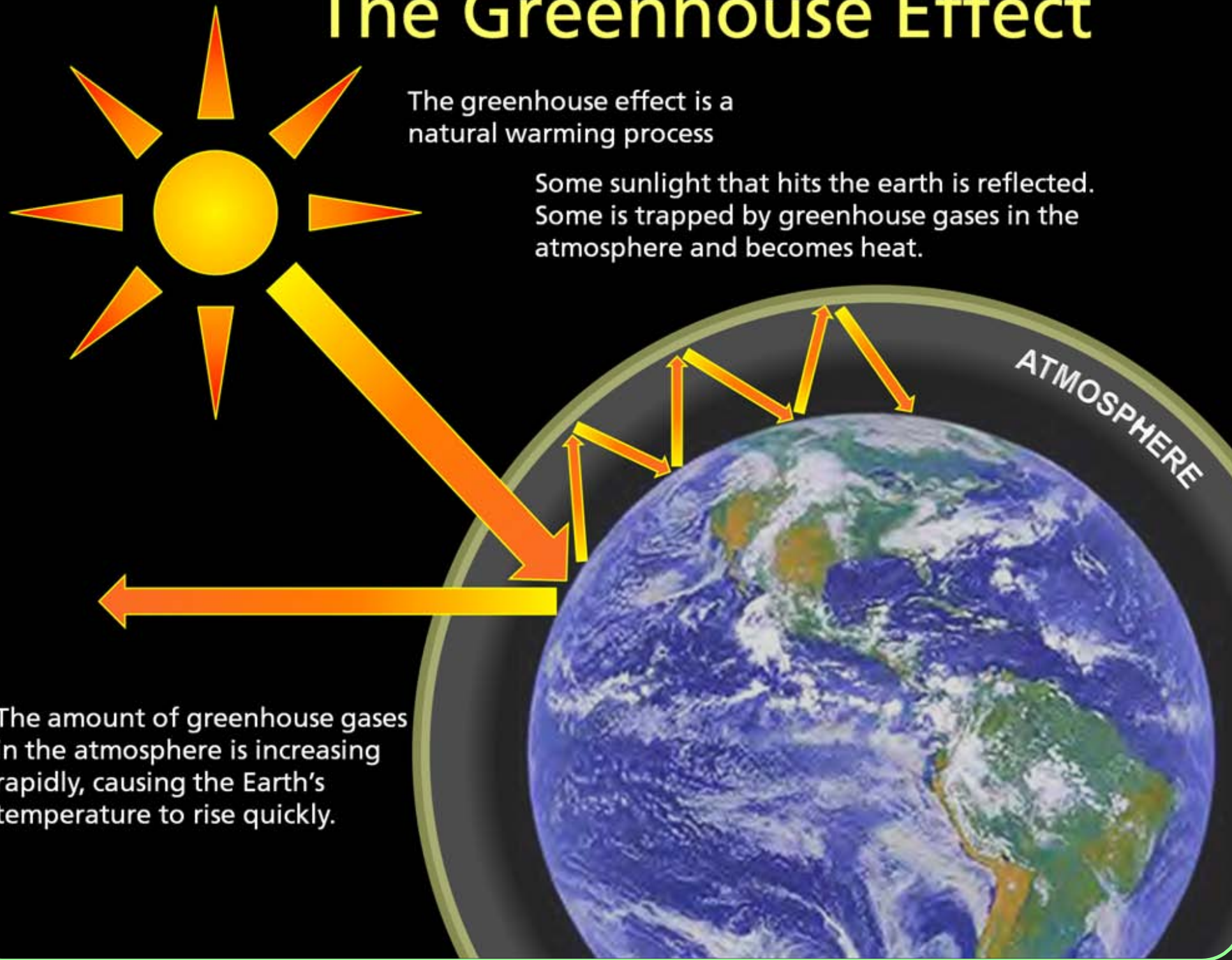
- Carbon dioxide (CO₂)
- Nitrous oxide (N₂O)
- Methane (CH₄)
- Water vapor

Warmer temperatures melt glaciers and ice sheets and expand sea water, increasing the volume of water in the oceans... interacting with coastal subsidence – the sinking of land.

The Greenhouse Effect

The greenhouse effect is a natural warming process

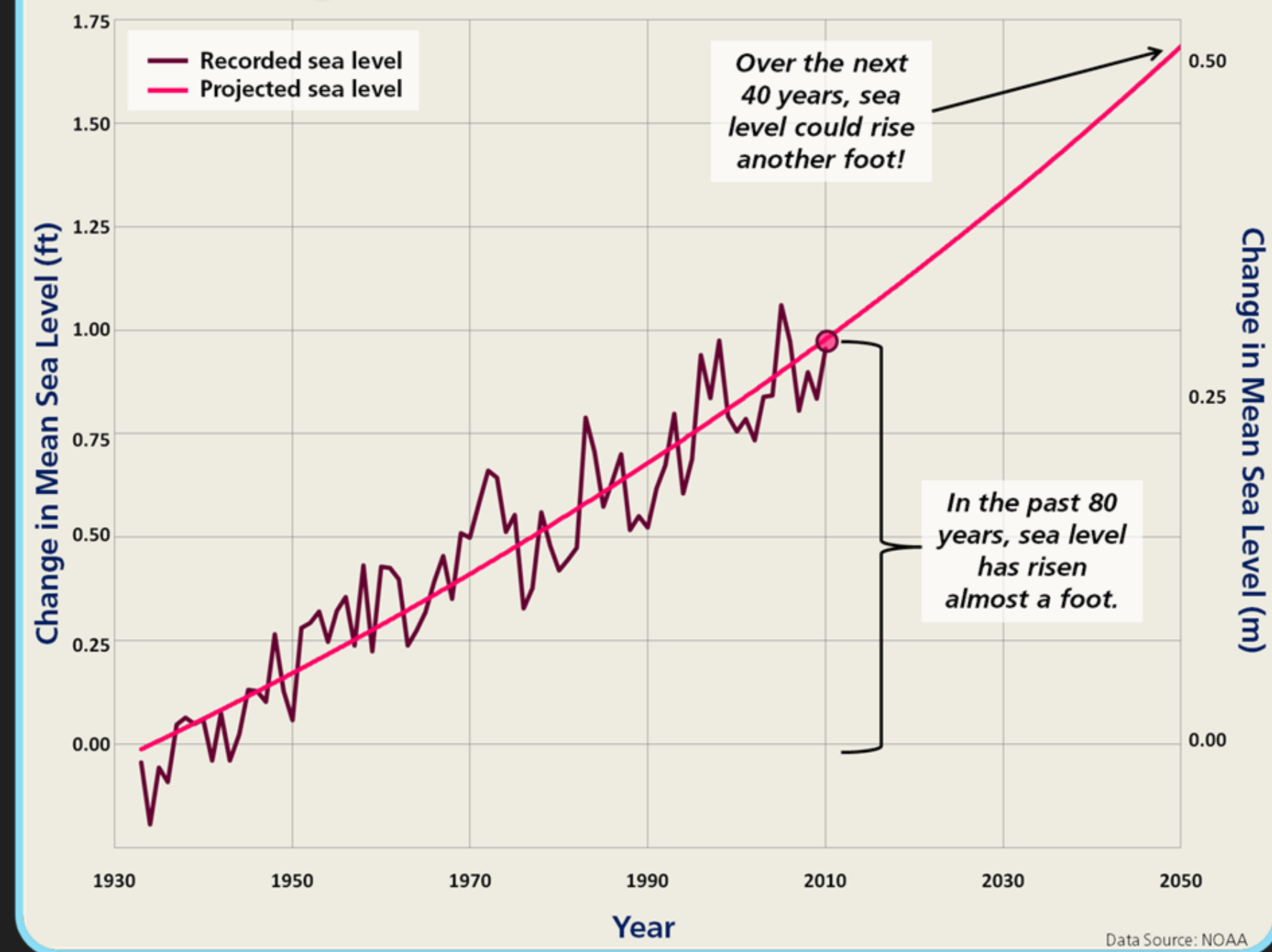
Some sunlight that hits the earth is reflected. Some is trapped by greenhouse gases in the atmosphere and becomes heat.



The Impacts

- Flooding
- More storms
- Property damage + loss
- Loss of wildlife habitat
- Loss of beach
- Erosion

Sandy Hook Sea-level Rise



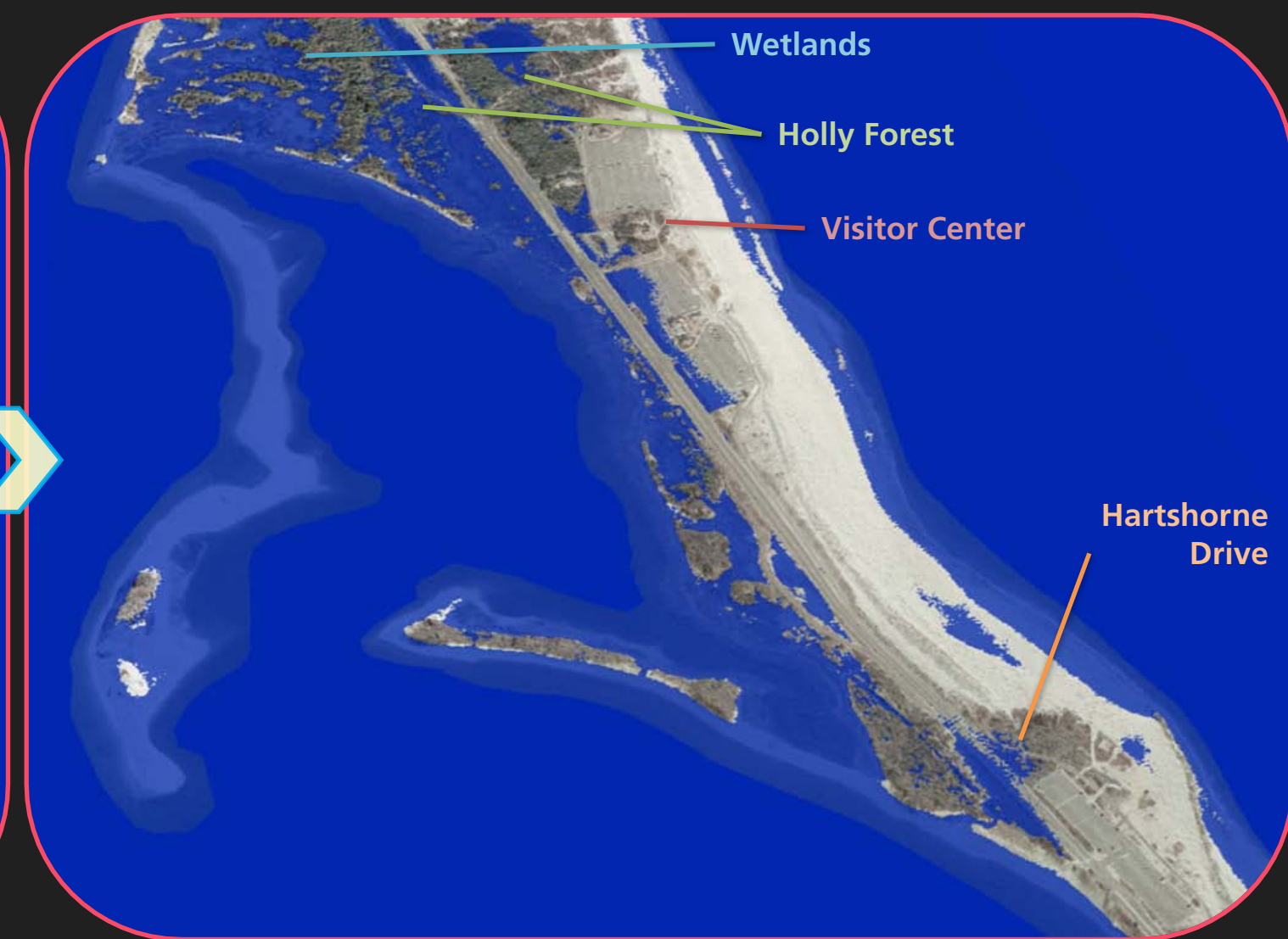
Local Sea-level Rise Scenarios...



2011 high tide



2050 high tide (1 foot sea-level rise)



2100 high tide (3 foot sea-level rise)

Help Make Gateway Greener



Climate Friendly Parks is a joint program of the NPS and US EPA to facilitate an increase in energy efficiency and a reduction of emissions in National Parks.



Ride a bike on the multi-use path!



Help plant native vegetation and preserve biodiversity!

ACT NOW
change the future

Be Green!

- Unplug
- Walk or ride a bike
- Reduce, Reuse, Recycle
- Attend local planning board meetings
- Turn down thermostats
- Buy local food

Every bathhouse at Sandy Hook uses solar panels for power.

For more information →
Friend/Follow Gateway National Recreation Area
<http://www.nature.nps.gov/climatechange>

