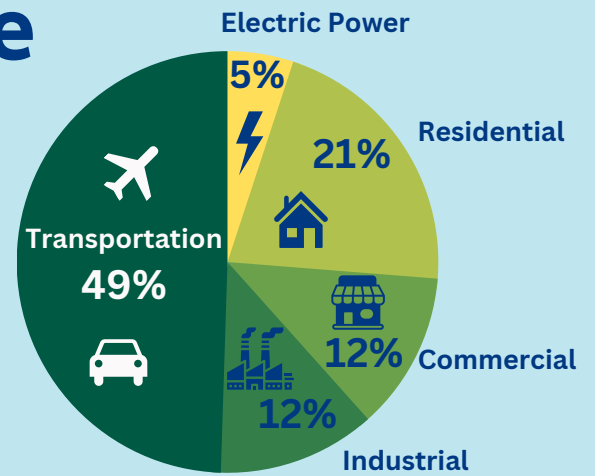


# How is Southern Maine Affected by Climate Change?

**Climate change** is the long-term shifting of temperatures and weather patterns **primarily caused by human activity**, especially the burning of fossil fuels. This emits greenhouse gases, the most significant of which is **carbon dioxide (CO<sub>2</sub>)**.

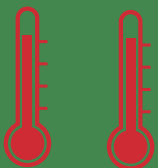


**CO<sub>2</sub> Emissions Sources in Maine**

Source: Maine Climate Council, 2019

## Rising Temperatures

+2-4°F +10°F



2050 2100

**Extreme heat days 2-4x more likely by 2050**

**Shorter & warmer winters**



## Changing Ecosystems



Decreased **biodiversity**

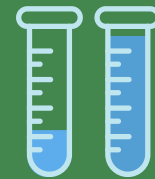


Increased **invasive species & pests**



**Shifting** plant hardiness zones

## Changing Precipitation



1895 2020

Maine's annual precipitation has **increased 6+ inches** since 1895

More **extreme storms**

More **severe droughts** in summer

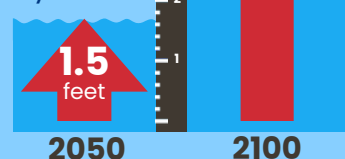


## Coastal Flooding & Storms



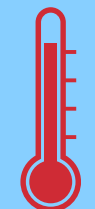
## Rising Sea Level

Projected to **submerge two thirds of Maine's coastal sand dunes** by 2100



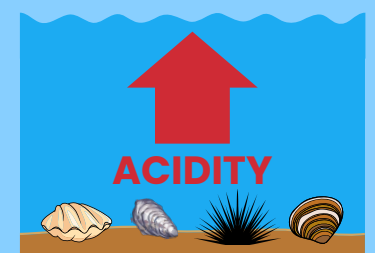
## Ocean Warming

Could cause **+2.7°F** the Maine coast to feel like the coast of Rhode Island by 2100



2050

## Ocean Acidification



Increased acidity **harms shellfish populations**

Learn what Southern Maine communities are doing about climate change at [SoMaineCAPCohort.com](http://SoMaineCAPCohort.com)

