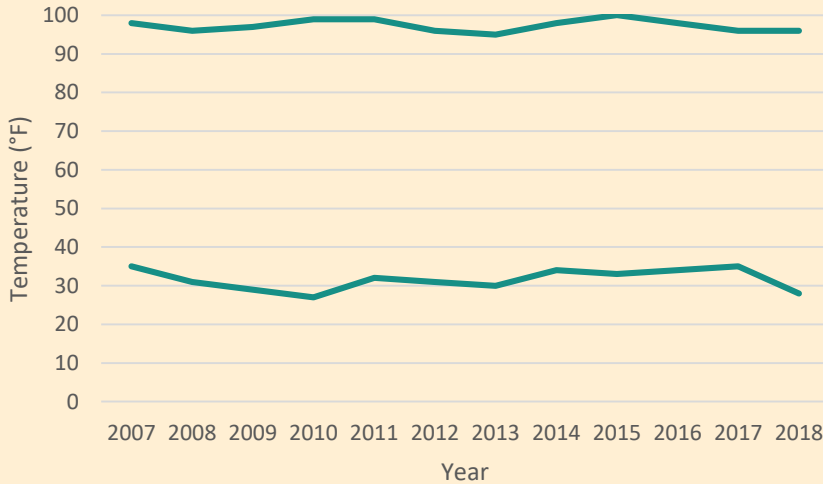


# Rising Temps and Tides

## Global Change

Orlando's Average Yearly Temperature



## Rising Temps

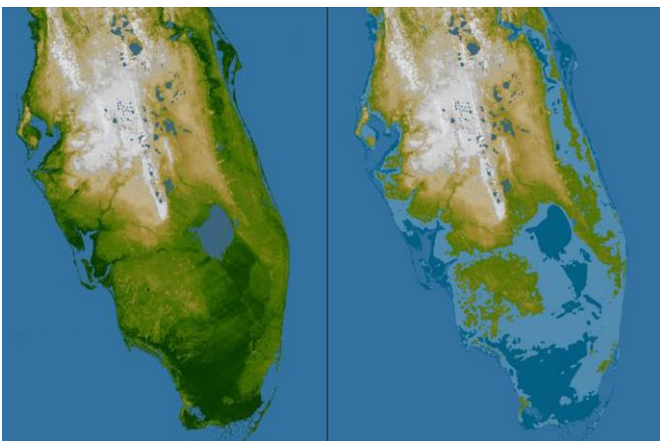
Carbon emissions and other forms of pollution are causing the Earth's temperature to rise at an alarming rate—and Florida is no exception. Looking at temperatures from over 100 years ago, the yearly maximum was about the same as it is now and the minimum was rarely above 30°F. The graph to the left shows how the yearly maximum and minimum temperatures have changed in Orlando over the last 11 years.

## Top 12 Cities most Vulnerable to Coastal Flooding by 2050

- |                        |                       |
|------------------------|-----------------------|
| 1. New York, NY        | 7. Miramar, FL        |
| 2. Hialeah, FL         | 8. St. Petersburg, FL |
| 3. Miami, FL           | 9. Davie, FL          |
| 4. Fort Lauderdale, FL | 10. Miami Beach, FL   |
| 5. Pembroke Pines, FL  | 11. Charleston, SC    |
| 6. Coral Springs, FL   | 12. Pompano Beach, FL |

## Rising Tides

Because the global temperature is rising, the sea is heating up causing glaciers to melt which in turn causes the sea level to rise. The table to the right shows U.S. in order from most to least populated that are most vulnerable to coastal flooding by 2050 because of sea level rise. Most of these are Florida cities. In time, Florida's coast will change drastically if nothing is done to reverse climate change.



<https://www.jpl.nasa.gov/spaceimages/details.php?id=PIA06666>  
Image Credit: NASA/JPL/NGA

## How can I help?

Educate others about climate change and ways to reverse it. Advocate for the planet in local, state, and national government. Ride a bike or walk when you are not going far and car pool over long distances. Use energy responsibly. Get solar panels installed at home. Get a semi-electric or electric car. Be creative and come up with your own ideas!

## For more ways to help:

- <https://davidsuzuki.org/what-you-can-do/top-10-ways-can-stop-climate-change/>
- <https://news.nationalgeographic.com/2015/11/151115-bill-nye-science-guy-climate-change-unstoppable-ngbooktalk/>

### Data Credits:

- <https://www.currentresults.com/Yearly-Weather/USA/FL/Orlando/extreme-annual-orlando-high-temperature.php>
- <https://www.currentresults.com/Yearly-Weather/USA/FL/Orlando/extreme-annual-orlando-low-temperature.php>
- <http://www.climatecentral.org/news/us-cities-most-vulnerable-major-coastal-flooding-sea-level-rise-21748>