

FLORIDA

CLIMATE CHANGE IMPACTS



Excess heat, major storms, and coastal and inland flooding have already impacted Florida, and pose growing challenges to many aspects of life. Human health and homes and buildings will be increasingly compromised.

ALREADY OBSERVED CHANGES

ANTICIPATED FUTURE CHANGES

RISKS TO SOCIETY



Temperatures in Florida have increased by nearly 2°F since 1970, and by over 2.5°F during winter.

Florida is already home to **10 of the top 25 hottest cities** in the U.S.; Miami is the hottest city in the U.S.

Florida is expected to see nearly **8 times more heat wave days** by 2050, from around 10 to nearly 80 days a year – an increase more than any other state.

Also more than any other state, Florida is expected to see **5 times more dangerous heat days** by 2050.

Mosquito season in Daytona Beach is now nearly a month longer than in 1980. Some cities in southern Florida already have suitable conditions year-round for adult mosquitoes that can spread dengue, chikungunya, and Zika viruses.



Hurricanes in the Atlantic have been **stronger** in the past couple of decades than during the 1970s/80s.

Key West has had more than **6 times the amount of coastal flood days** in the past decade than in the 1960s.

Florida is expected to see up to **4 feet of additional sea level rise** from 2000 levels by 2100.

More than half a million **people** and 400,000+ **homes** accounting for \$200B+ in **property value** are located within 4 feet of current sea level in Florida.

Florida has **3.5 million people at risk** for a **100-year coastal flood**; these floods may become **100 times more likely** by 2050.



Florida has experienced a **20-30% increase in heavy downpours** since 1950.

By 2050, Florida's **inland flooding threat** is projected to **increase by 50%**.

More than 150 gallons of **sewage** has spilled in St. Petersburg due to heavy rain events.

More than **1.5 million people** in Florida are currently living in **flood prone areas**; this is more than in any other state.

For sources of information, please visit: www.edf.org/climateimpactsources

*Anticipated future changes are for scenarios without climate action



EXPECTED DAMAGES

IN FLORIDA BY 2100
WITHOUT CLIMATE ACTION

- At least 8,100 additional deaths per year
- More than 1 million homes at risk for chronic flooding, and nearly \$9 billion of annual coastal damages
- 8 counties currently home to 700,000 people expected to see 20% decrease in major crop yields relative to 2012 levels