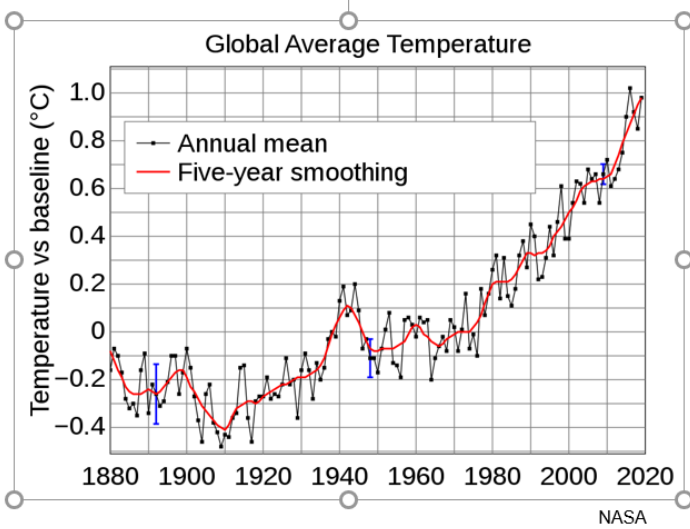
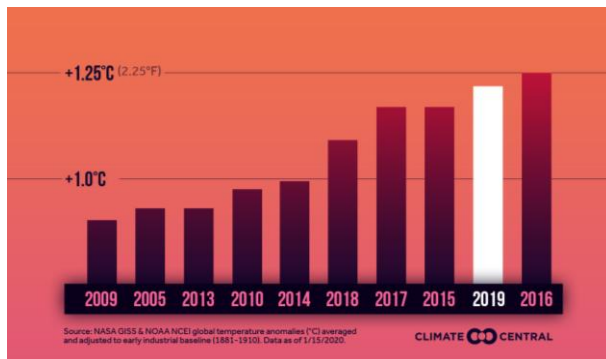


# WHAT IS CLIMATE CHANGE?

Climate change is the long-term temperature increases and shifting weather patterns observed across the planet.

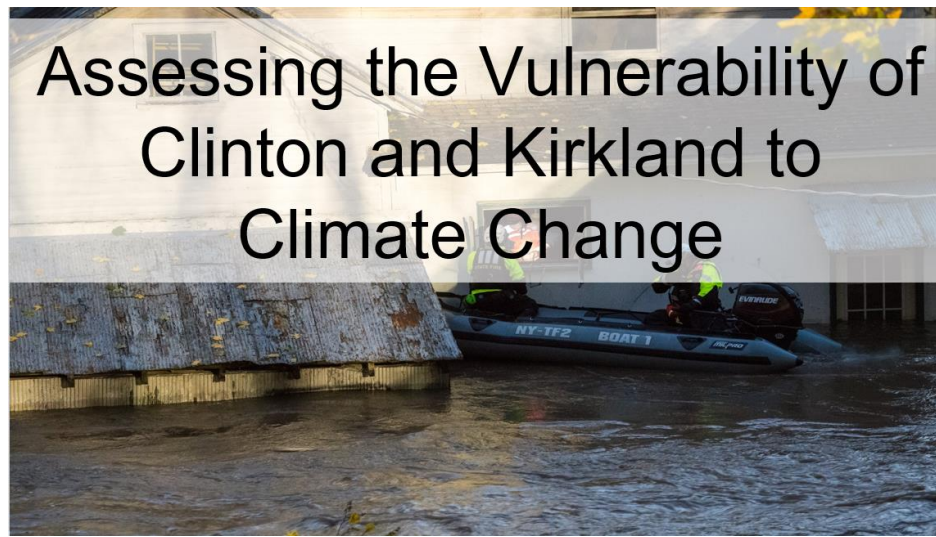


The Earth has already warmed 1.8°F (1.0°C) on average since the mid-1800s. The 9 hottest years on record have been in the last two decades.



Available at <https://www.climatecentral.org/gallery/graphics/top-10-warmest-years-on-record>

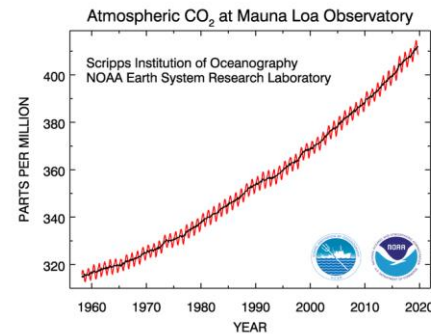
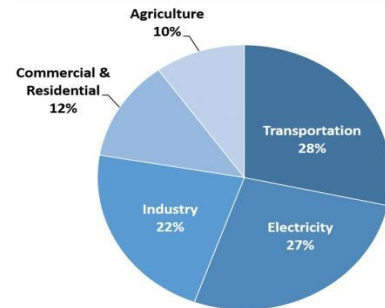
# Assessing the Vulnerability of Clinton and Kirkland to Climate Change



## WHAT CAUSES CLIMATE CHANGE?

Human activities, including driving gas-powered cars, heating buildings with gas and oil, using fossil fuels to generate electricity, agriculture, and cutting down forests, create **greenhouse gases** that blanket the Earth and trap heat, warming the planet.

Total U.S. Greenhouse Gas Emissions by Economic Sector in 2018



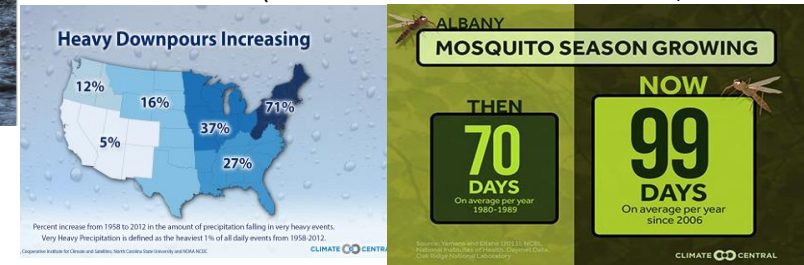
Visit the Clinton Kirkland Climate Smart Communities Task Force website for more info!

[www.kirklandclintonclimatesmart.org](http://www.kirklandclintonclimatesmart.org)

# WHAT WILL CLIMATE CHANGE MEAN FOR UPSTATE NEW YORK?

- More extremes in rainfall
- Warmer and more variable winters (whiplash winters) and hotter summers
- Changing seasonal timing
- More ticks and mosquitoes

(2018 National Climate Assessment)



## WHAT CAN WE DO NOW?

**Reduce** emissions to limit climate changes and **Adapt** behavior to reduce harm.

The **CLINTON KIRKLAND CLIMATE SMART COMMUNITIES TASK FORCE** is doing a Vulnerability Assessment to identify the specific risks of most concern to our community and find ways to adapt.

### WE NEED YOUR HELP!

Tell us about climate changes you've seen and your biggest climate concerns using our survey at

<https://tinyurl.com/climatesmarkcsurvey>

OR send an e-mail to us at [clintonkirklandcsctaskforce@gmail.com](mailto:clintonkirklandcsctaskforce@gmail.com)

