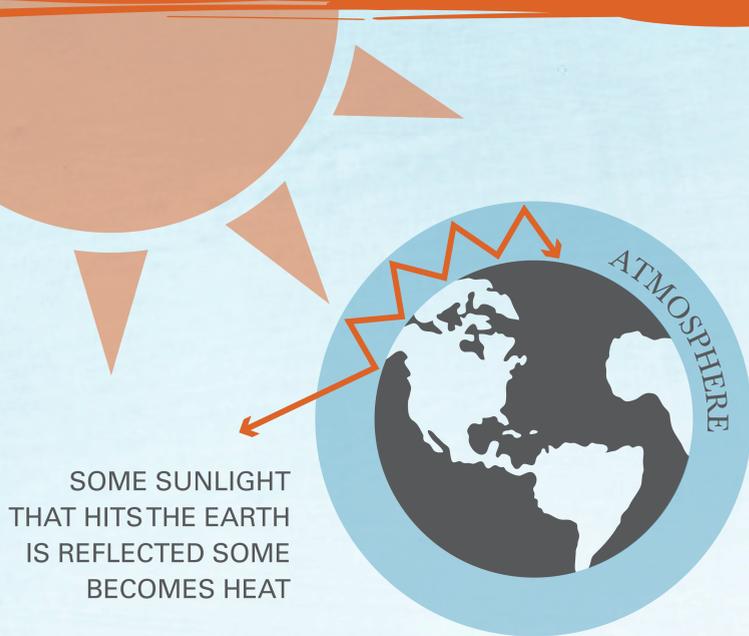


# CLIMATE CHANGE

## The Greenhouse Gas Effect



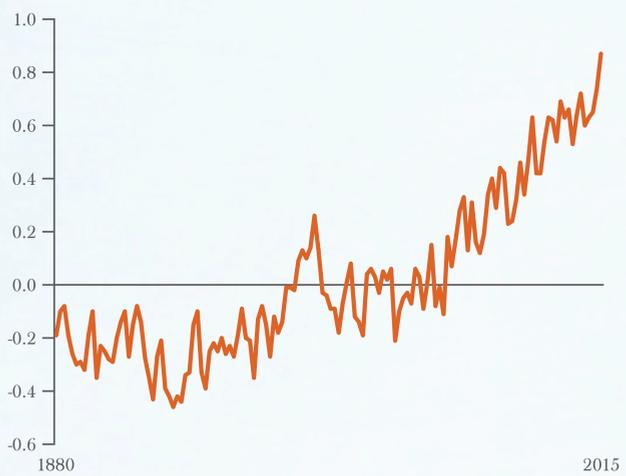
**CLIMATE CHANGE** is caused by a build up of **GREENHOUSE GASES** in the atmosphere generated primarily by **BURNING FOSSIL FUELS** and other human activities

CO<sub>2</sub> AND OTHER GASES IN THE ATMOSPHERE TRAP MORE HEAT FROM THE SUN RAISING GLOBAL TEMPERATURES

*Global temperatures have increased rapidly over the last 100 years.*

EVERY YEAR SINCE 1976 HAS BEEN **HOTTER**

than the year before. 2015 was the warmest year on record and 2016 is on track to be even hotter.



**CALIFORNIA** is already experiencing the impacts of **CLIMATE CHANGE**

### CARBON DIOXIDE CO<sub>2</sub>



FOSSIL FUELS

stays in the atmosphere for 100 years

### TYPES OF GREENHOUSE GASES

### SHORT LIVED CLIMATE POLLUTANTS



BLACK CARBON



FLUORINATED GASES



METHANE

stays in the atmosphere for a short time more powerful driver of climate change than CO<sub>2</sub>

## Sources of Greenhouse Gases in California

