



Climate Action in Denver

Thomas Herrod

Environmental Quality Division

Department of Public Health and Environment

January 30th, 2019

The Climate Cause

Denver Leadership

“We have a responsibility to protect and preserve our quality of life in Denver, and that means taking aggressive steps to combat climate change. We will not shrink from that responsibility. This issue calls for actions now, not inactions that will only slow progress and increase risk to our people here and around the world.”

~Mayor Michael B. Hancock, 2017

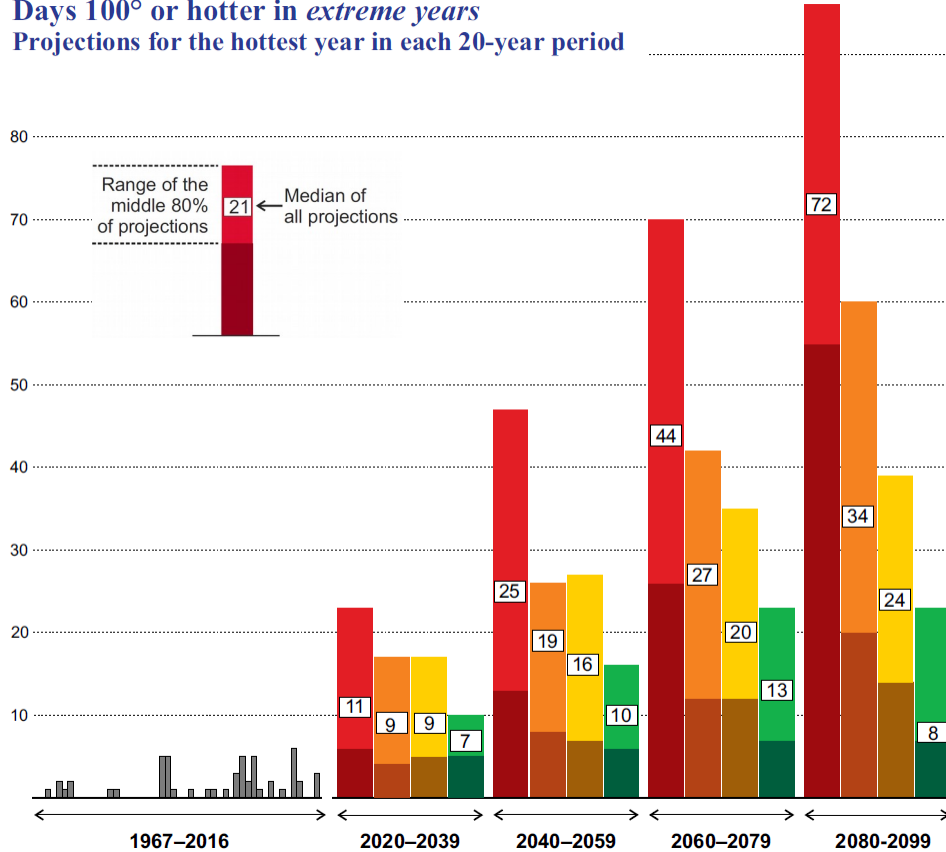
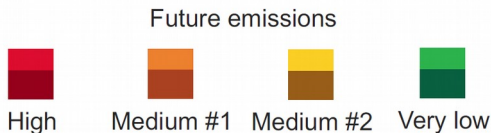
Denver's long-term climate goal: Reduce GHG emissions 80% by 2050 from 2005 baseline

80x50 is not just about our emissions on January 1st 2050.

80x50 is, most term actions to put us on the path to 2050.

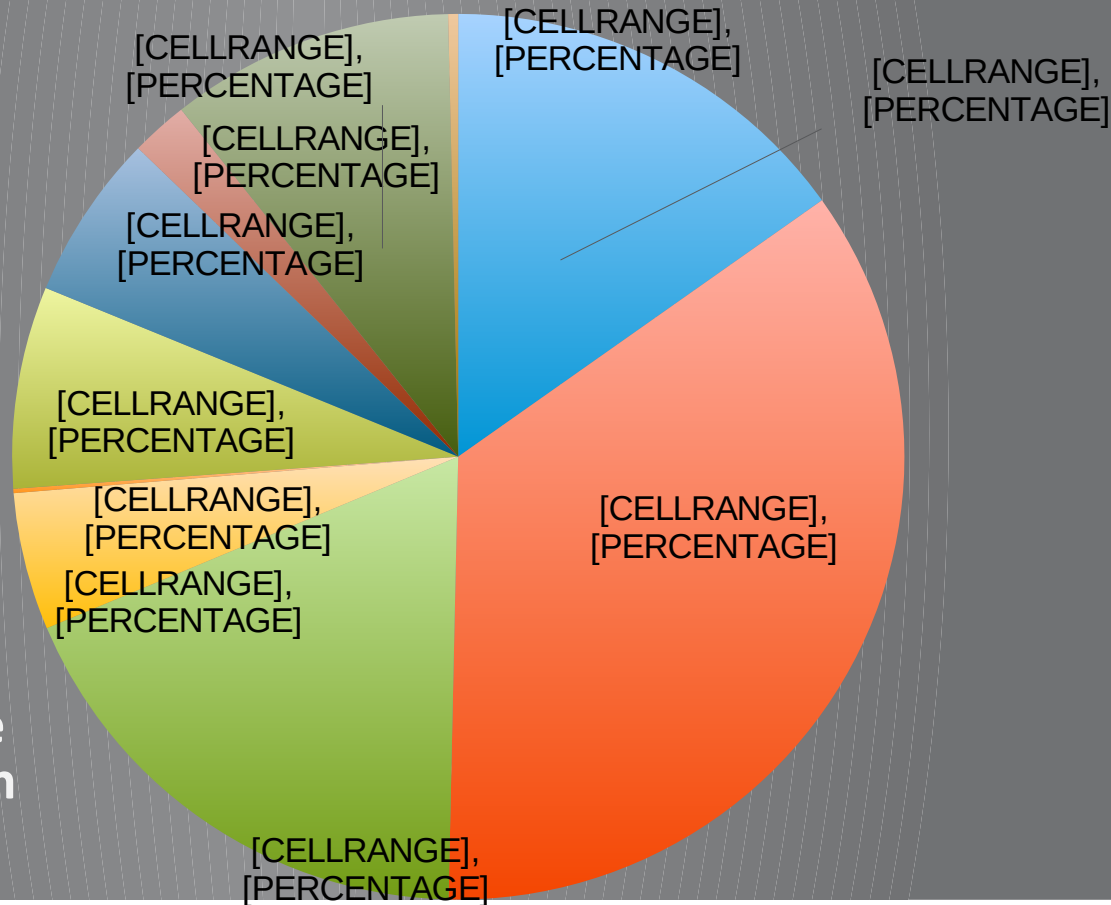
What are the consequences of inaction?

Days 100° or hotter in extreme years
Projections for the hottest year in each 20-year period



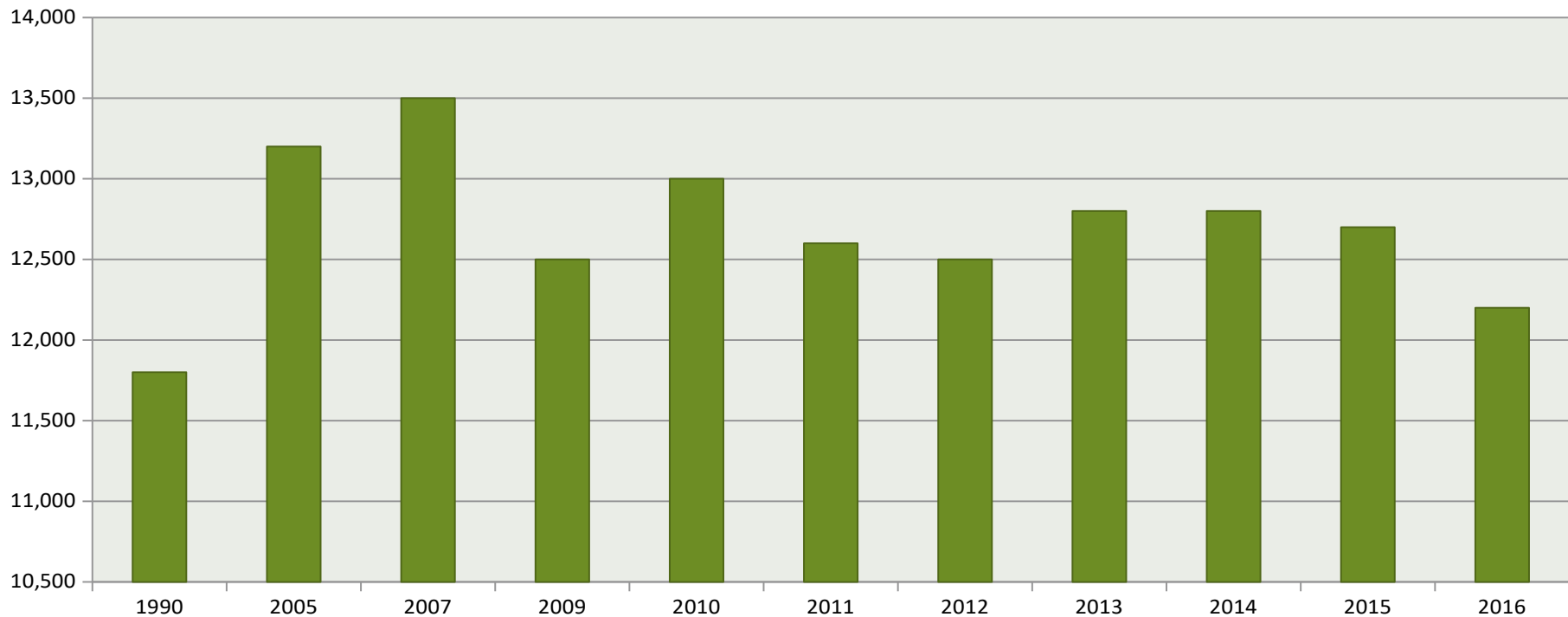
	GHG Reduction (2005 Baseline)	Buildings	Electricity Supply	Transportation
2020	15% reduction	Commercial buildings reduce energy use 15%		200 electric vehicles in the City fleet
2025	30% reduction	Single-family homes 10% reduction in energy use	Municipal buildings 100% renewable electricity	15% of Denver vehicle registrations are electric
2030	45% reduction	Commercial buildings 30% reduction in energy use	Community 100% renewable electricity	30% of Denver vehicle registrations are electric and meet Mobility Action Plan goals
2035	55% reduction	Single-family homes 20% reduction in energy use and new buildings Net Zero Energy		
2040	65% reduction	Reduce heating emissions in residential and commercial 25% and 50%, respectively		
2050	80% reduction	Commercial buildings 50% reduction in energy use		100% of light duty vehicles are electric 75% of freight trucks will use carbon neutral fuel 100% of taxis and transportation network vehicles are electric 100% of public transportation will be carbon free

Denver Community-Wide Greenhouse Gas Emission Inventory 2016

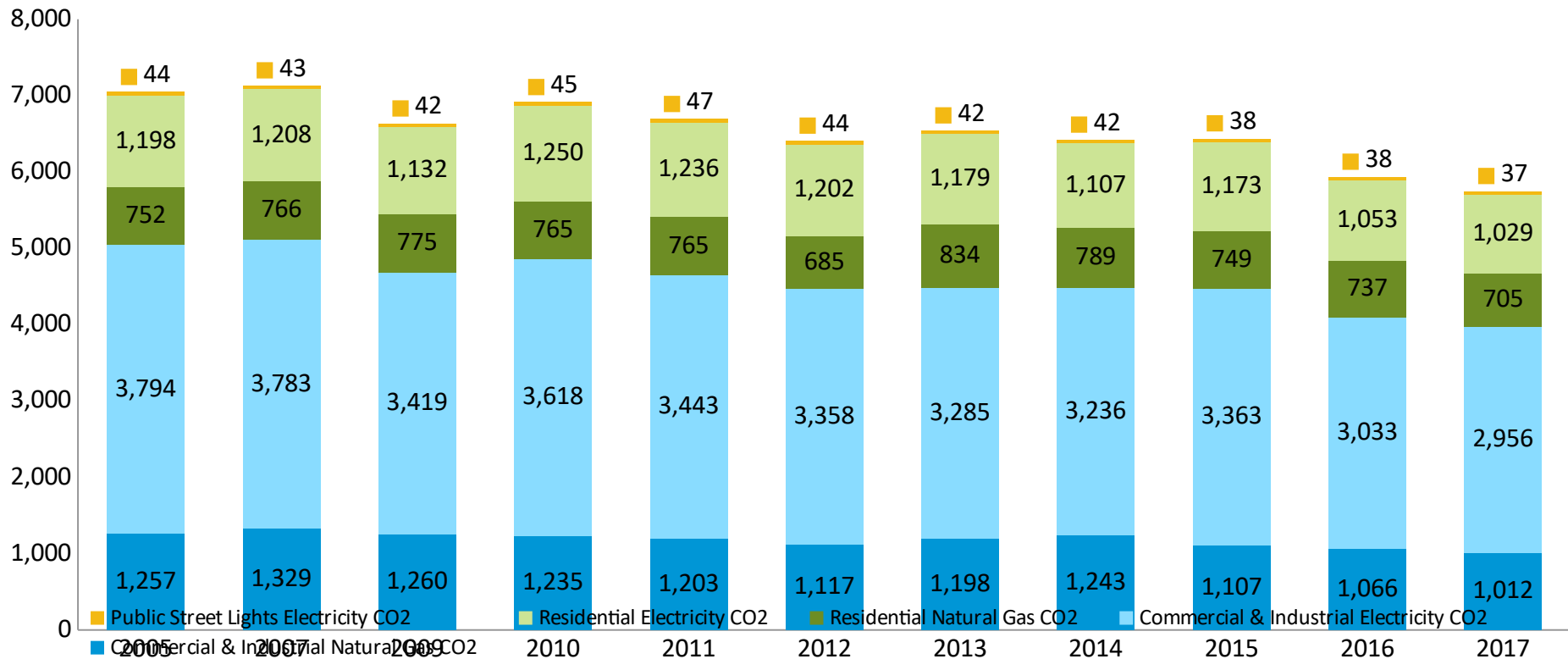


Total GHG (thousand mtCO2e)

2005-2016 Total Denver Community GHG Emissions



Trends in Denver Buildings and Energy (thousand mtCO2e)



Denver GHG mt-CO2e (millions) 2005 Baseline vs. 2015 Actual & Reductions vs. 2020 Goal

