Accelerate Neighborhood Climate Action

Moving Closer to a Sustainable Future



Your Presenters Today



Parry Burnap Professional Sustainability Advocate



Richard Wagner
Professor of Meteorology
Metro State University



Sunny Walker
Senior Facilitator with SunWalker
Enterprises



Who is ANCA?

• Our goal: to create shared, place-based climate action on a block-by-block, neighborhood-by-neighborhood level.



What has ANCA been up to?

- 4 Neighborhood Climate Action Forums
 - South City Park
 - Cheesman Park
 - Congress Park
 - Greater Park Hill





Climate Reality

The Science



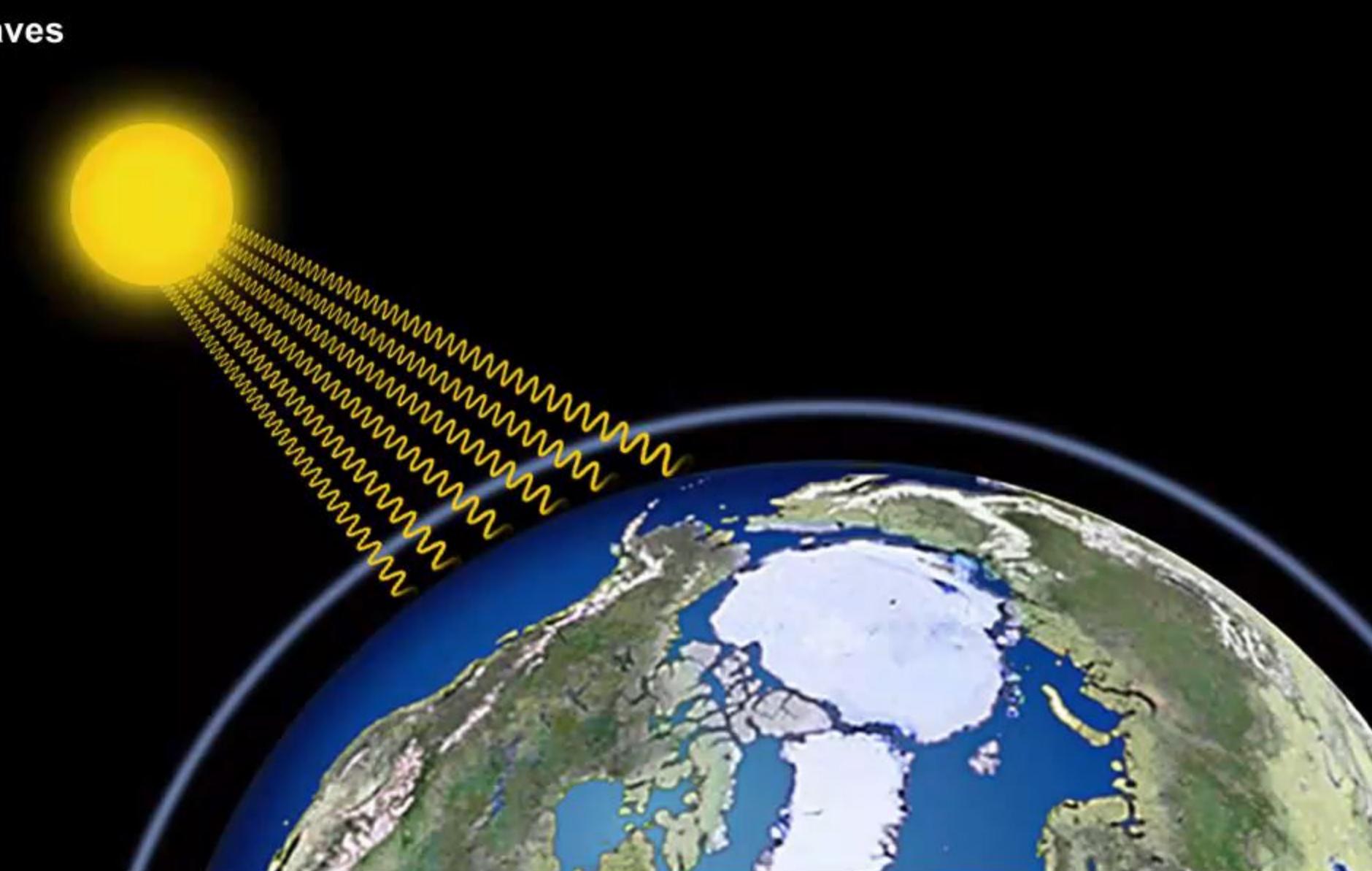


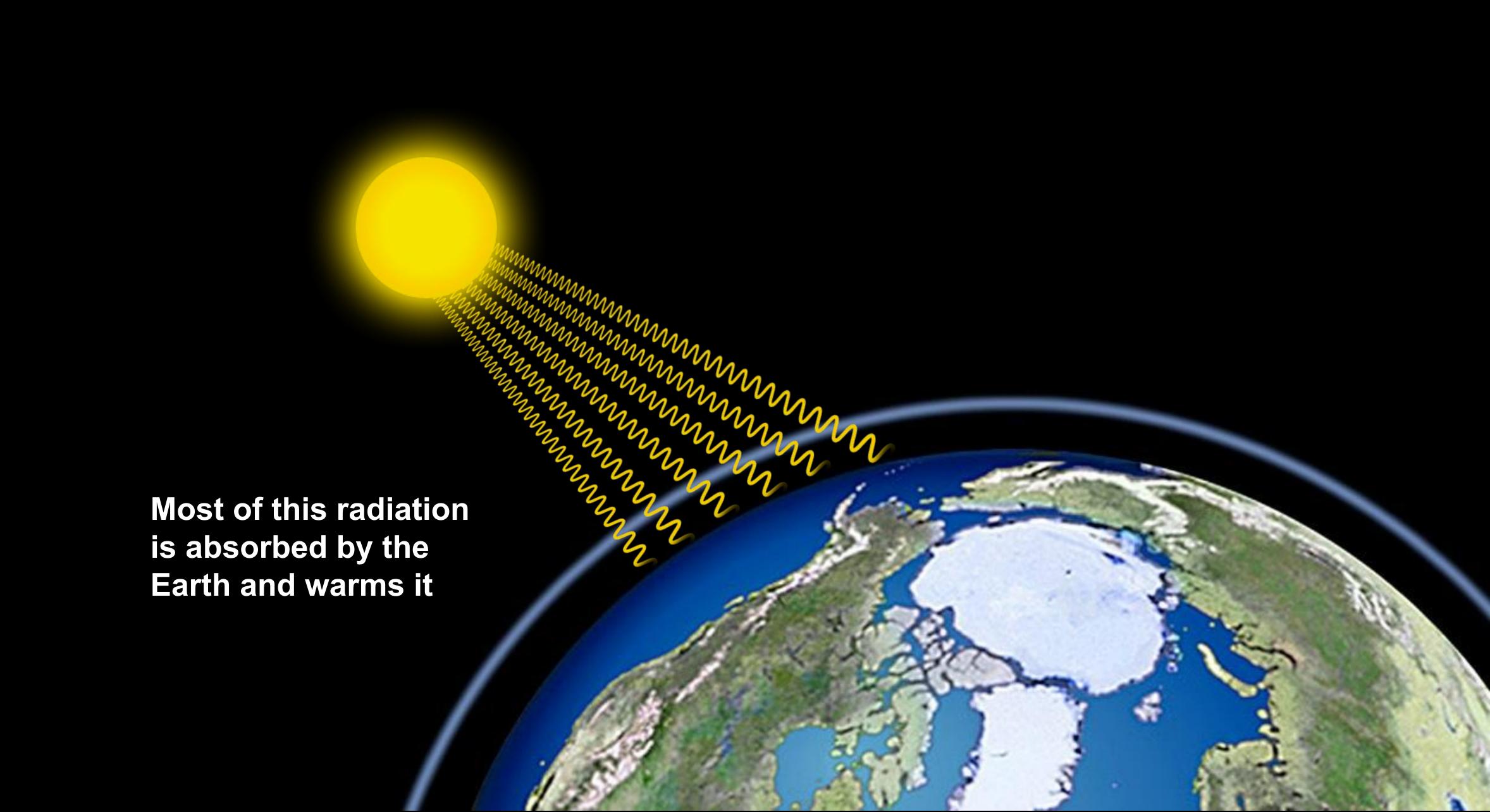


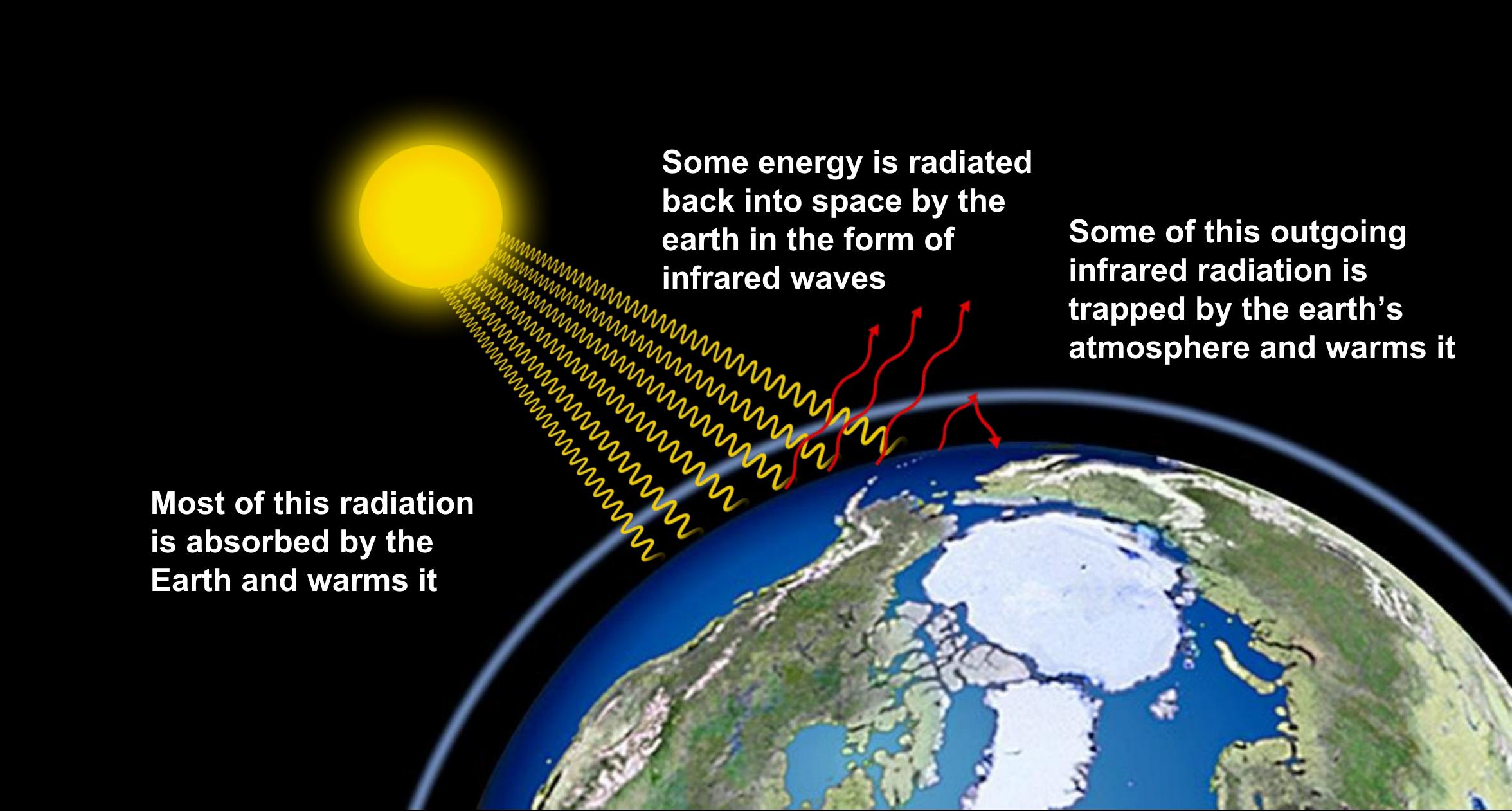
We are Dumping 110 Million Tons of Manmade Global Warming Pollution into the Atmosphere every 24 Hours

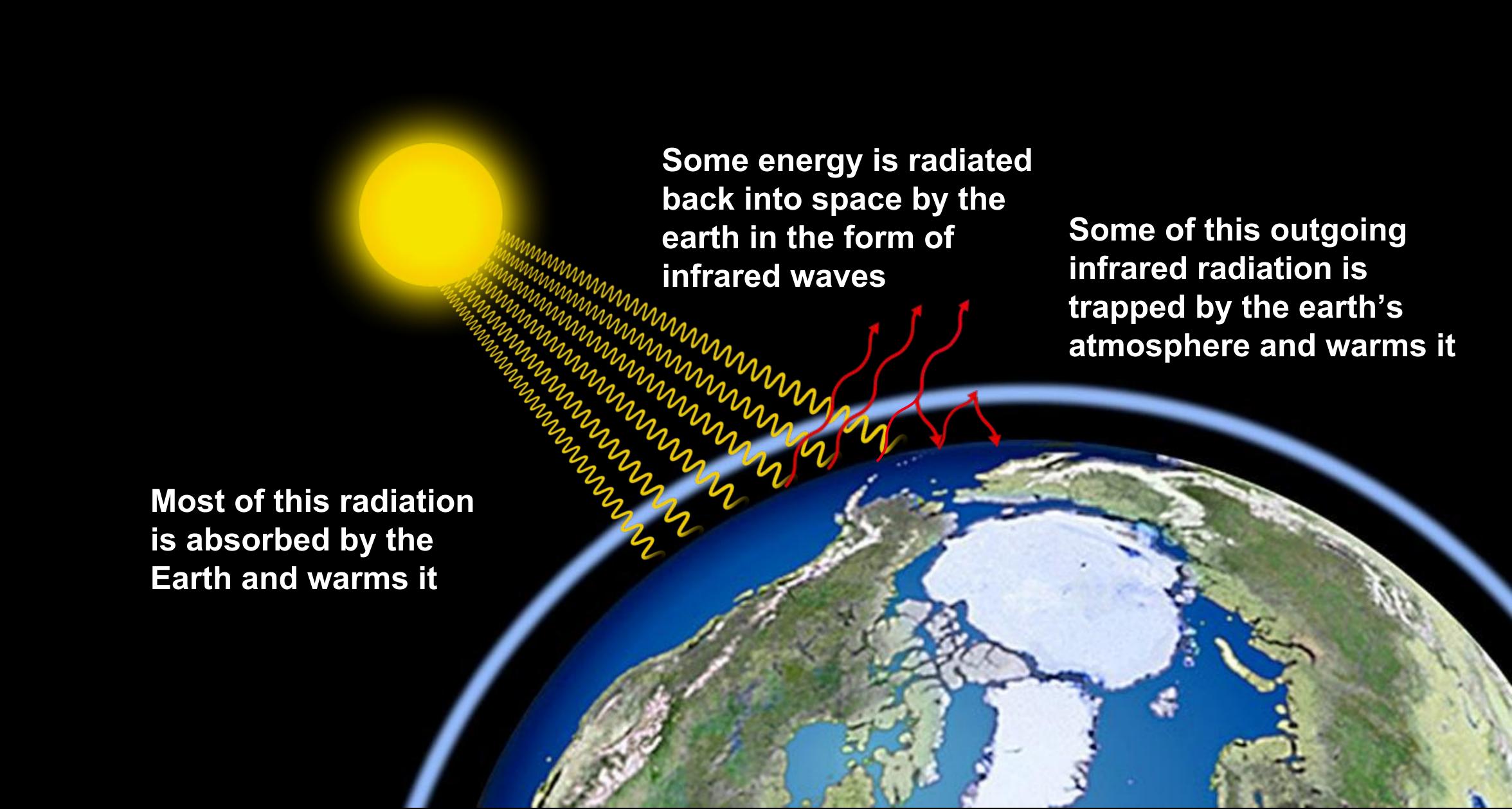


Solar radiation in the form of lightwaves passes through the atmosphere





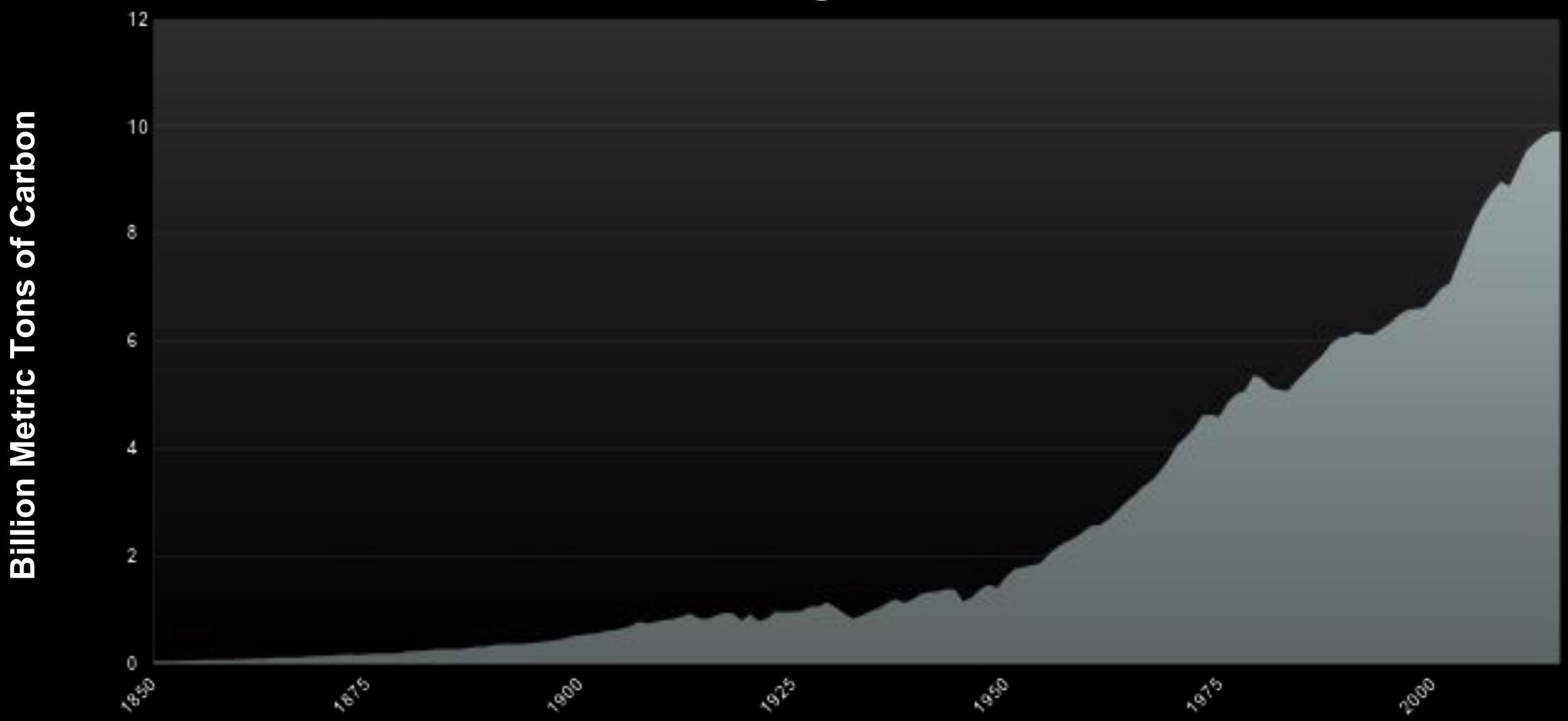


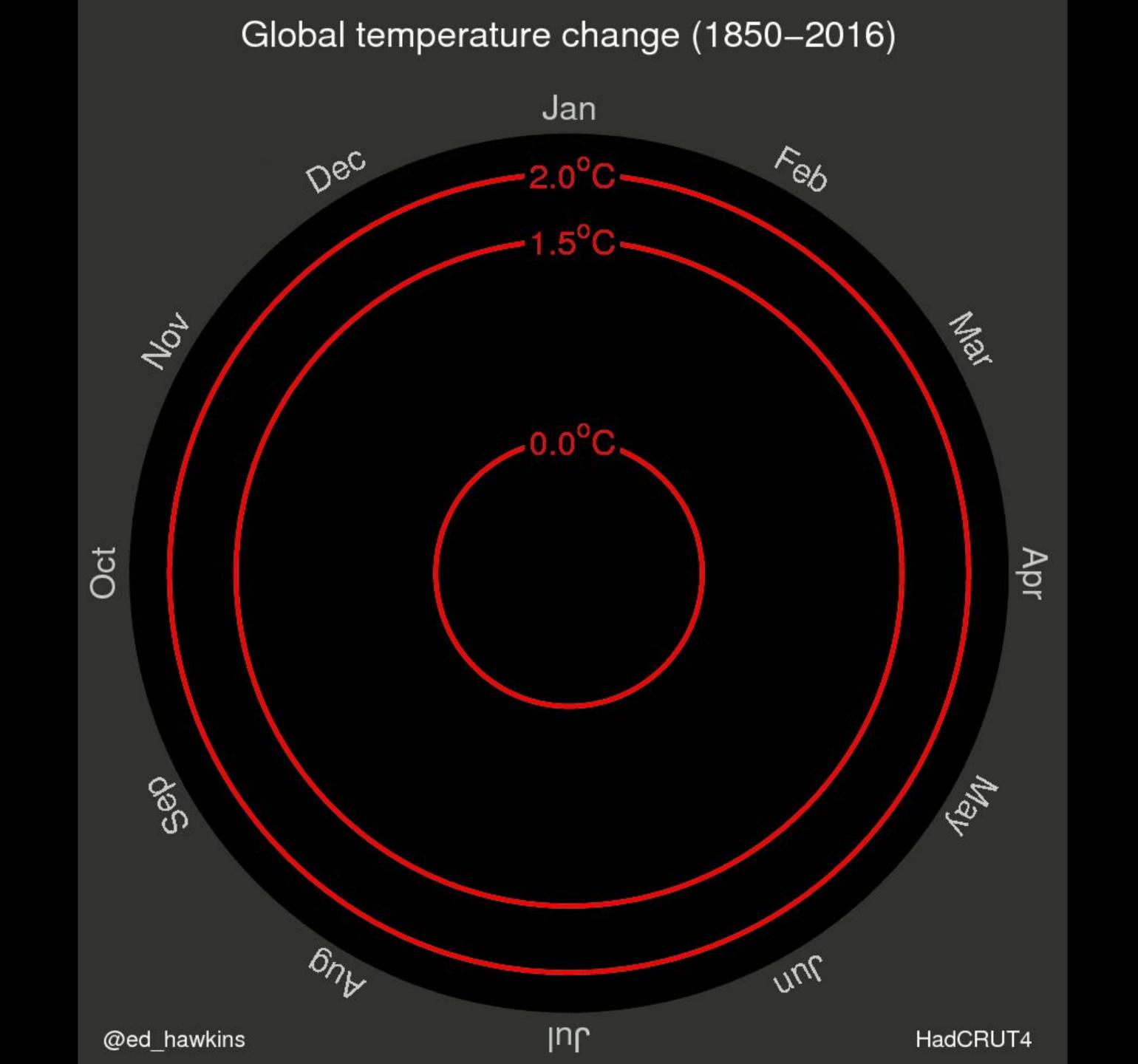




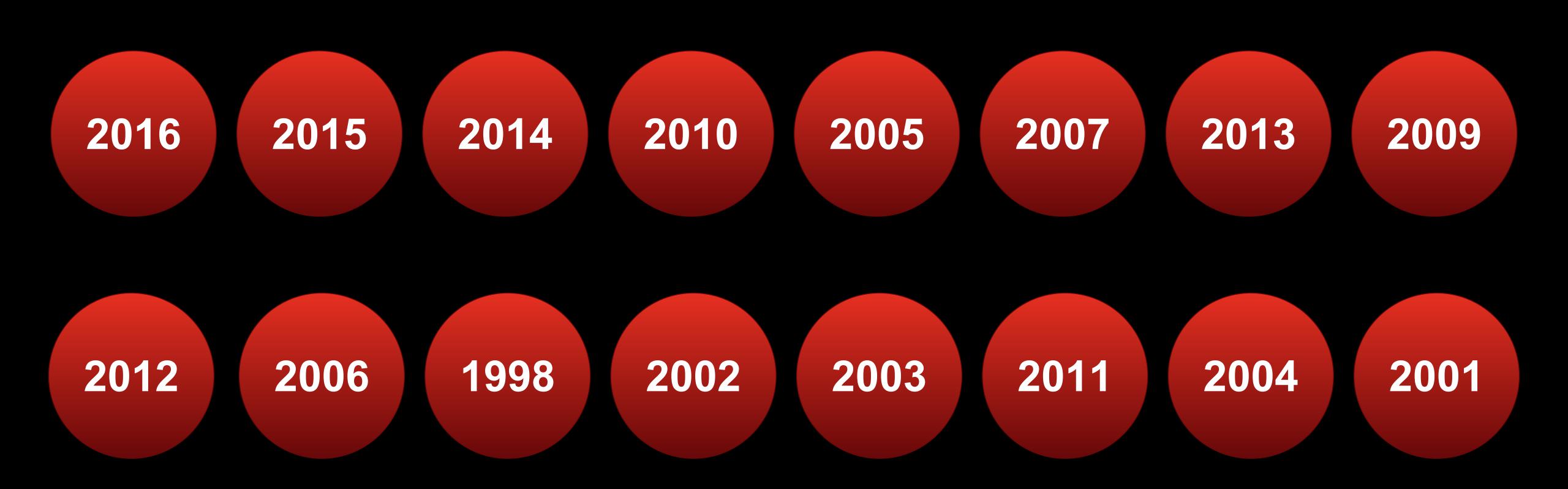


The Largest Source of Global Warming Pollution is the Burning of Fossil Fuels

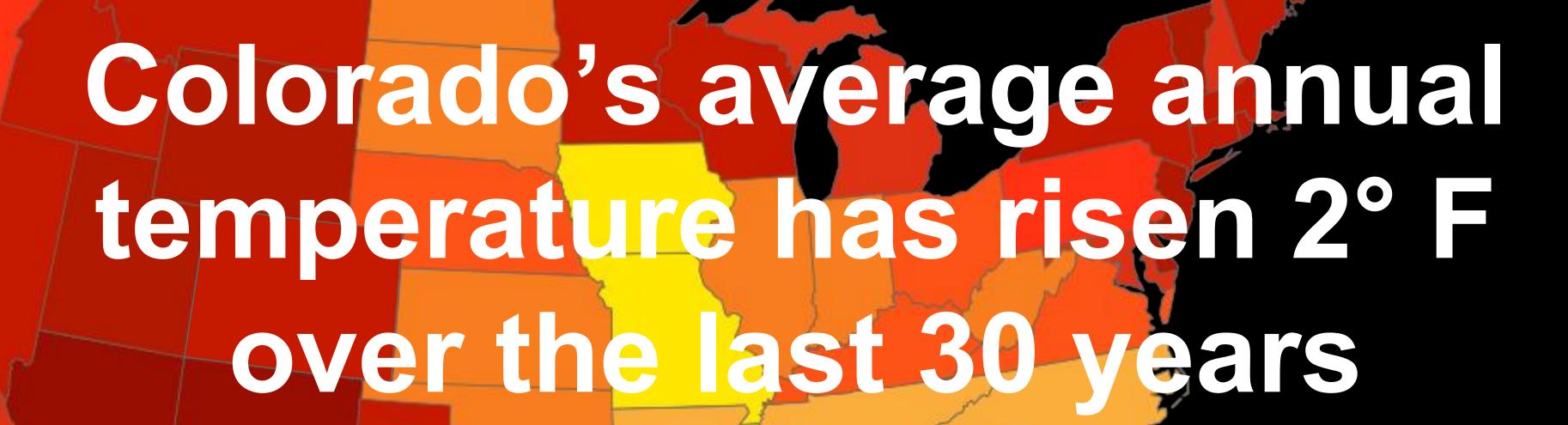




16 of blee-libitide of the area We are 2001 Occurred Since the Year 2001



Average Annual Temperature Increase by State



Temperature Change Since 1970 (°F per Decade)

0.3

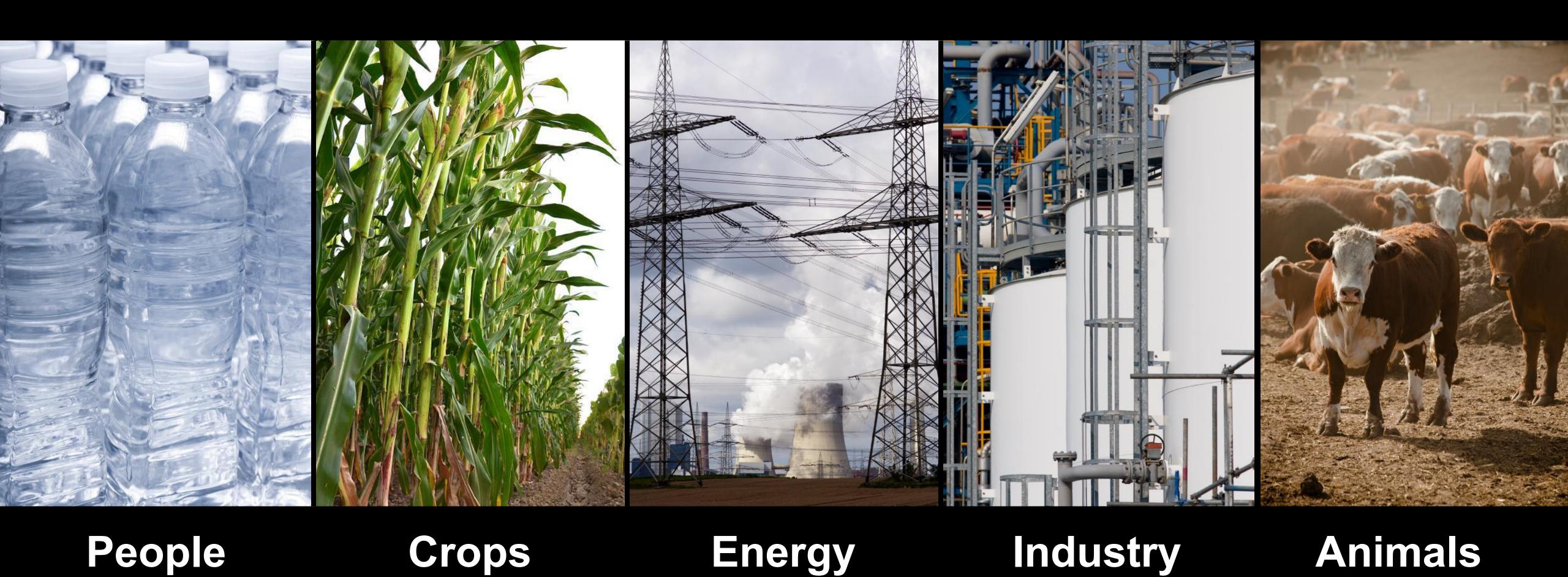
0.5

0.7

Sata: Climate Central

Additional Data: Colorado Climate Change Vulnerability Study, University of Colorado, Boulder and Colorado State University

As Temperatures Rise, So Does Water Use



iStockphoto: © tazytazl; © PhotographyPerspectives; © acilo; © Olivier Lantzendörffer; © 25StockMedia

In addition to heat waves & droughts, wildfires in Colorado are projected to increase in frequency and severity by 2050

The average fire season in the American west is now 105 days longer than in the 1970s.

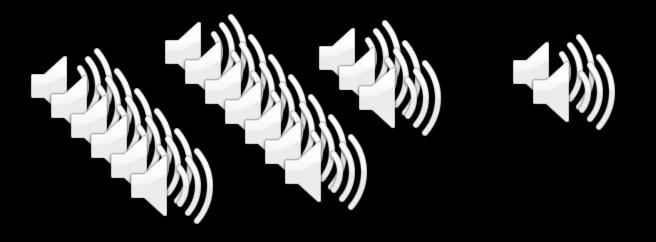
In Colorado, the average year in the 2010s saw 30 times more acres burned by large wildfires as the average year in the 1970s.











The Cost of Carbon

- \$ Political Instability
- \$ Floods & Mudslides
- \$ Wildfires
- \$ Drought
- \$ Storm Damage
- \$ Ocean Acidification
- *\$ Infrastructure Loss*
- \$ Climate Refugees



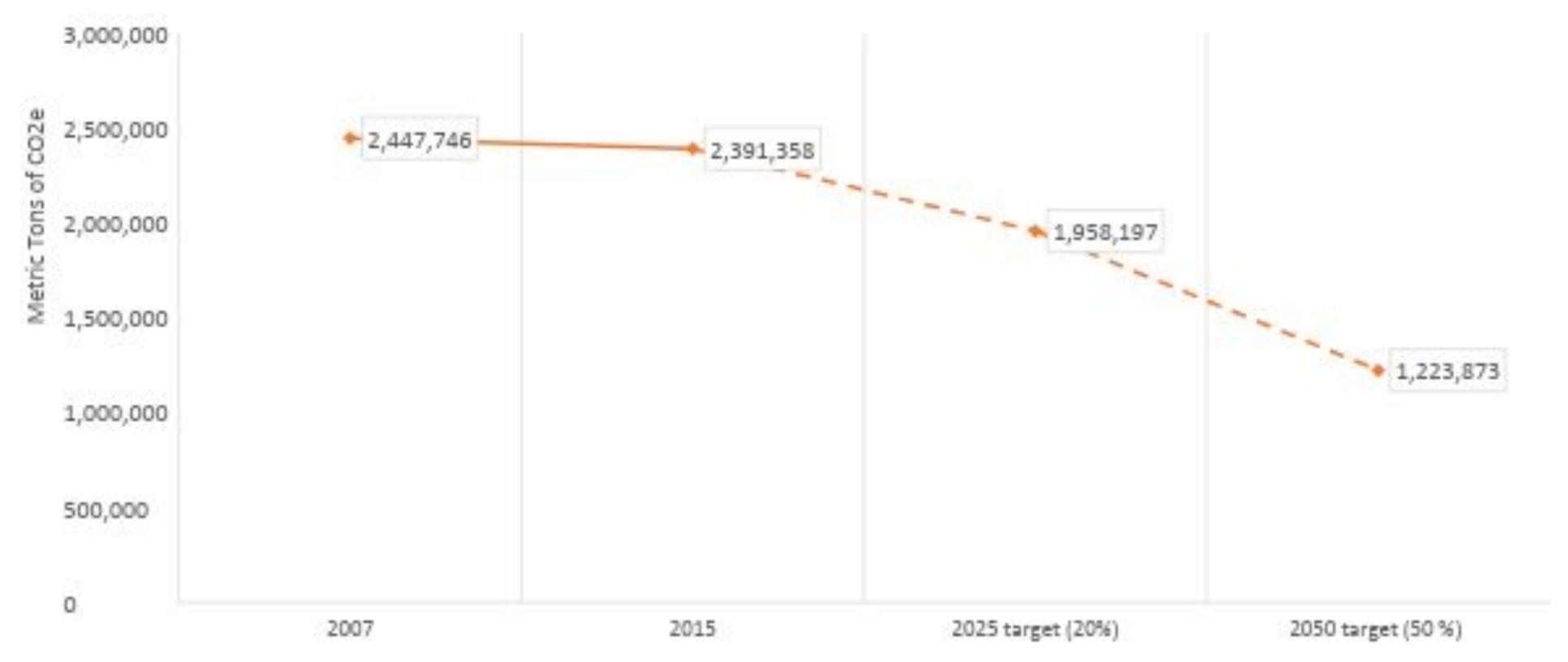
- **\$ Species Extinction**
- **\$ Melting Glaciers**
- \$ Famine
- **\$ Water Scarcity**
- \$ Ecosystem Loss
- \$ Our Way of Life
- \$ Infectious Diseases
- \$ Sea Level Rise

... And much; more Global Economy"

Lakewood and Denver

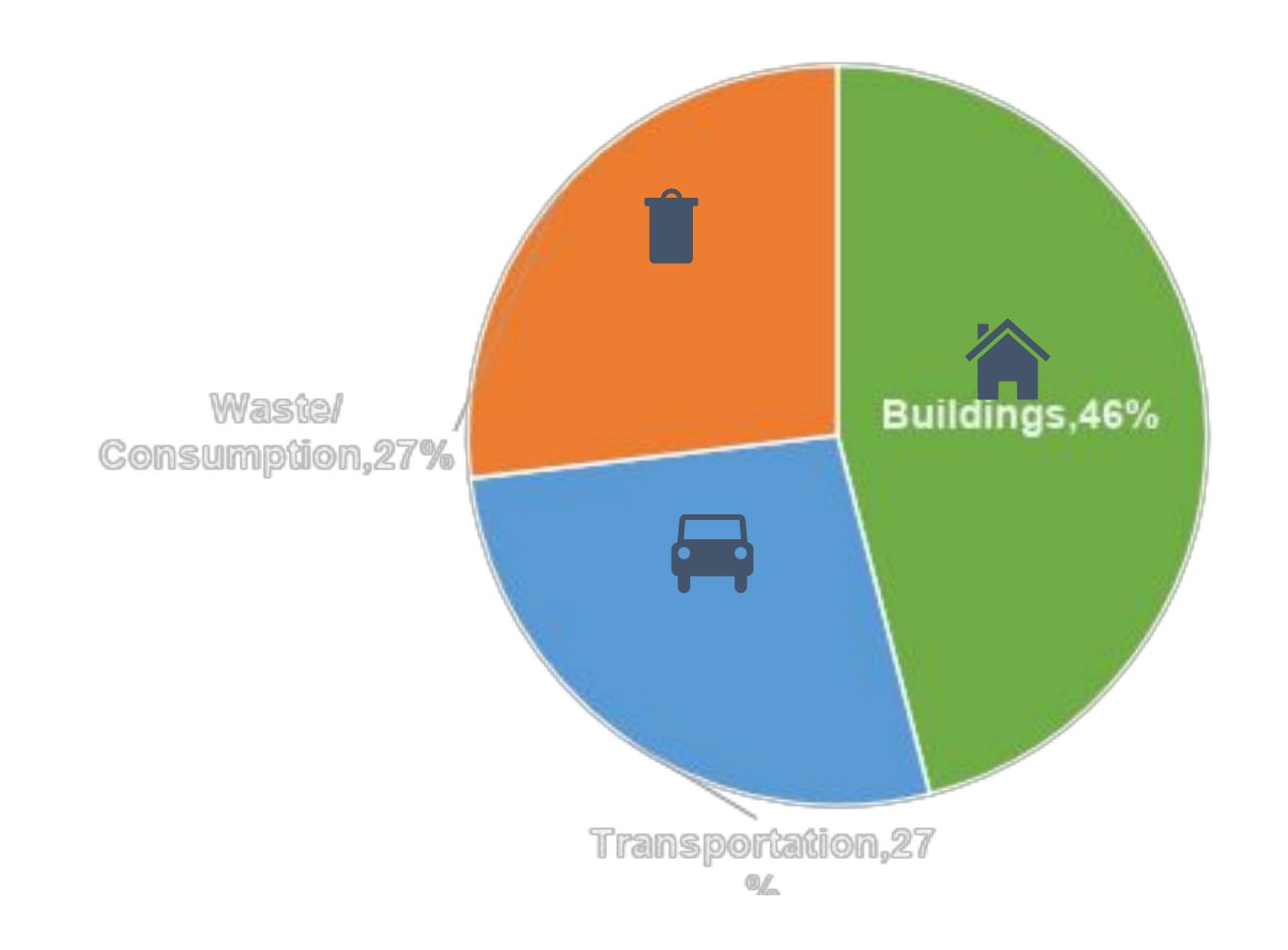
City perspectives from Lynn Coppedge and Taylor Moellers







2015 Emissions by Sector





What have we done so far? 2007 - 2015

Buildings Sector



Why?
Increasing amounts from renewable energy sources

Transportation Sector



Why?
W Line opening
Fuel efficiency standards
Efficiency in airplanes

Waste/Consumption Sector



Why?
Population increase
Minimal change in behavior



How do we reduce 433,161

MtCO₂e?

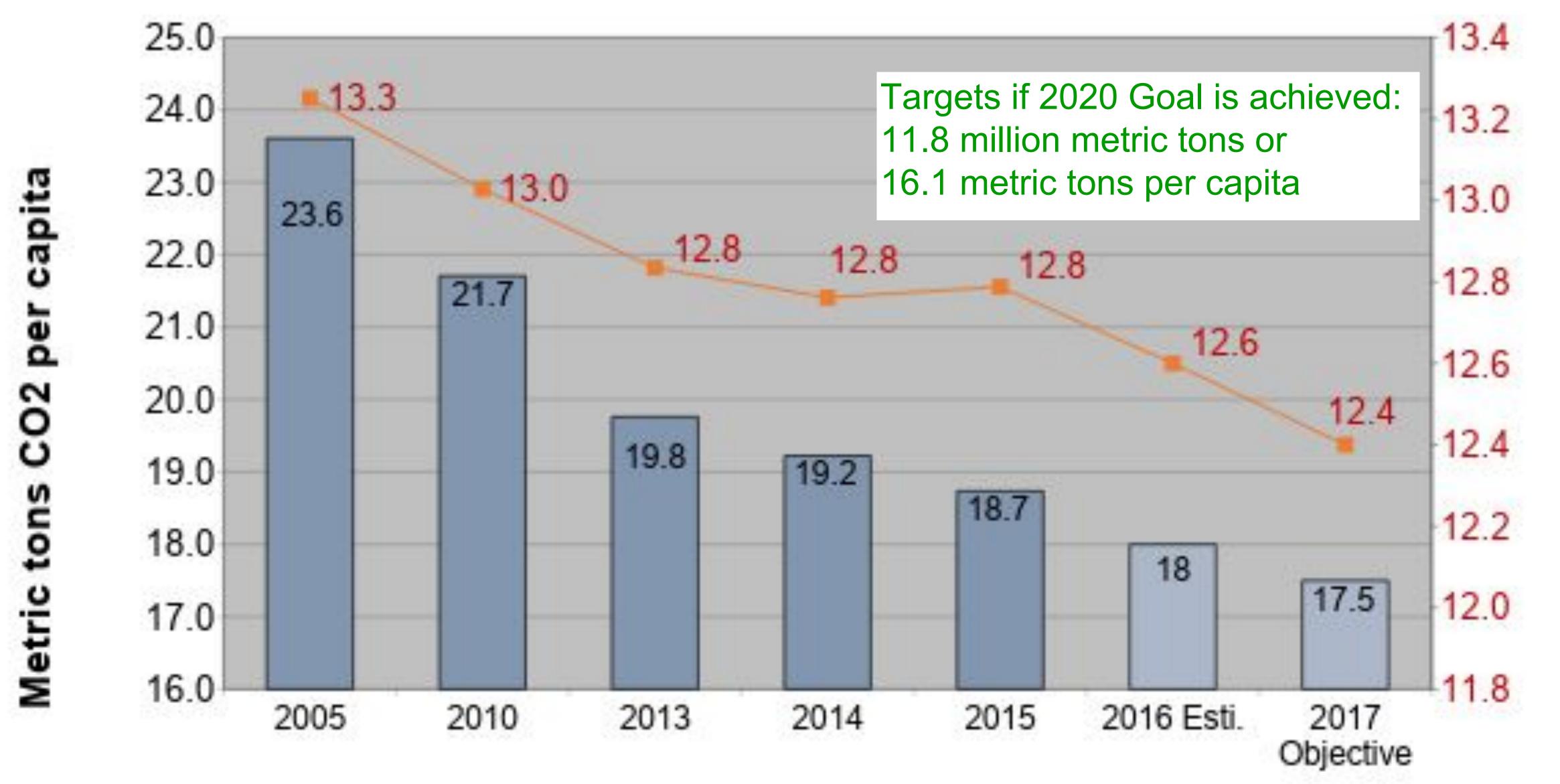
	Citywide Strategy	MtCO ₂ e	YOU!
	Renewable Energy Generation	139,268	Install solar Subscribe to renewables
	Energy Efficiency	94,026	Energy audit Waterwise landscaping
	Commercial Waste Diversion	41,805	Talk to local businesses
	Curbside Recycling	40,425	Recycle more, toss less!



Denver

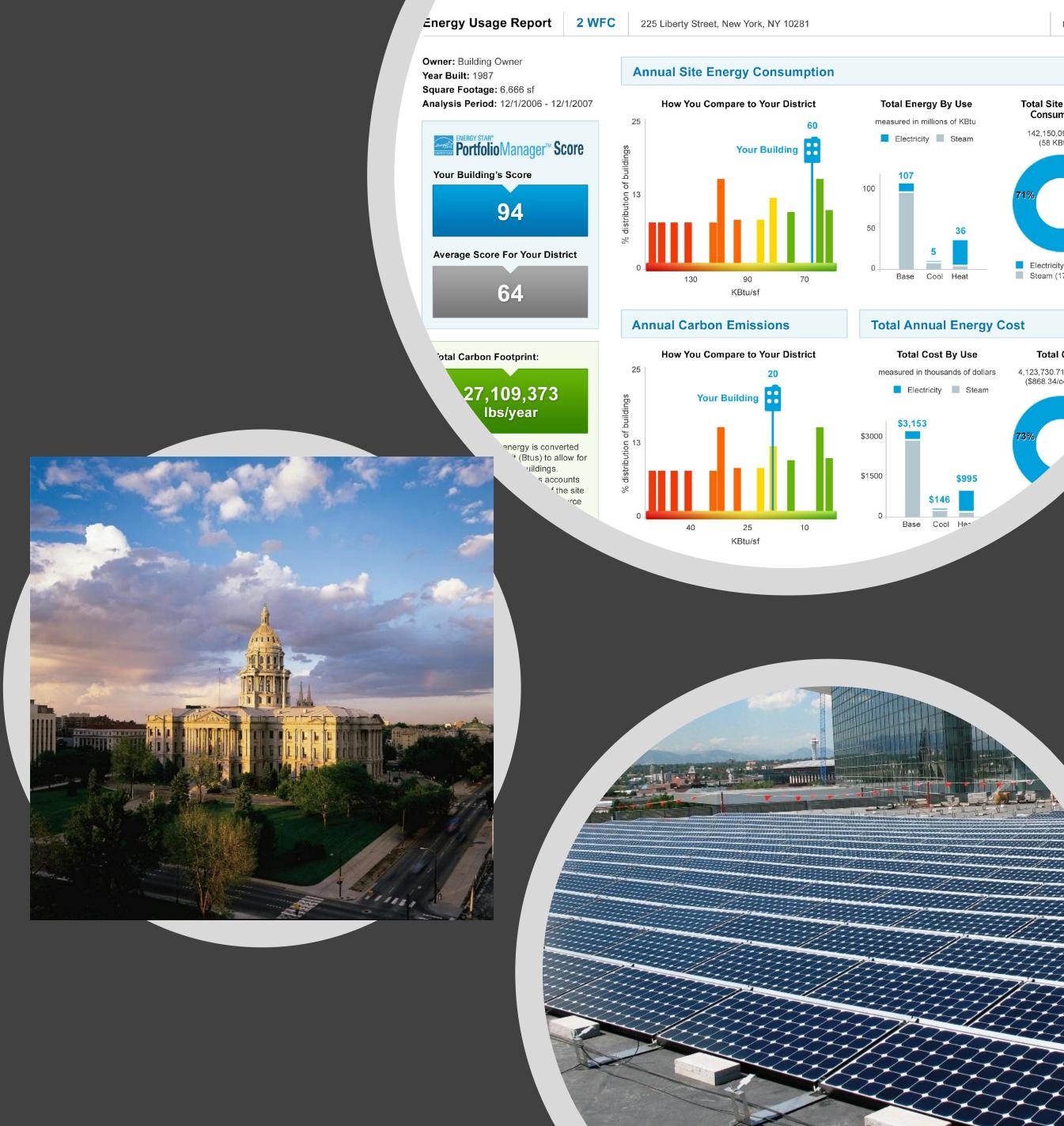


2005-2017 Greenhouse Gas Emissions in Denver (Total and Per Capita)



How did Denver reduce emissions with a growing economy and population?

- Policies at the Federal, State, and Local level have a big impact.
 - Federal CAFE standards improved efficiency in vehicles
 - State Renewable Portfolio Standard required more renewables on the electric grid
 - Denver's Benchmarking Ordinance requires measuring building energy use
- Programs help move innovation into mainstream



How did Denver reduce emissions with a growing economy and population?

- Programs help move innovation into mainstream
 - Energy Efficiency Rebates
 - Direct buy down of LEDs
 - Pass Gas program and state and federal rebates for EVs





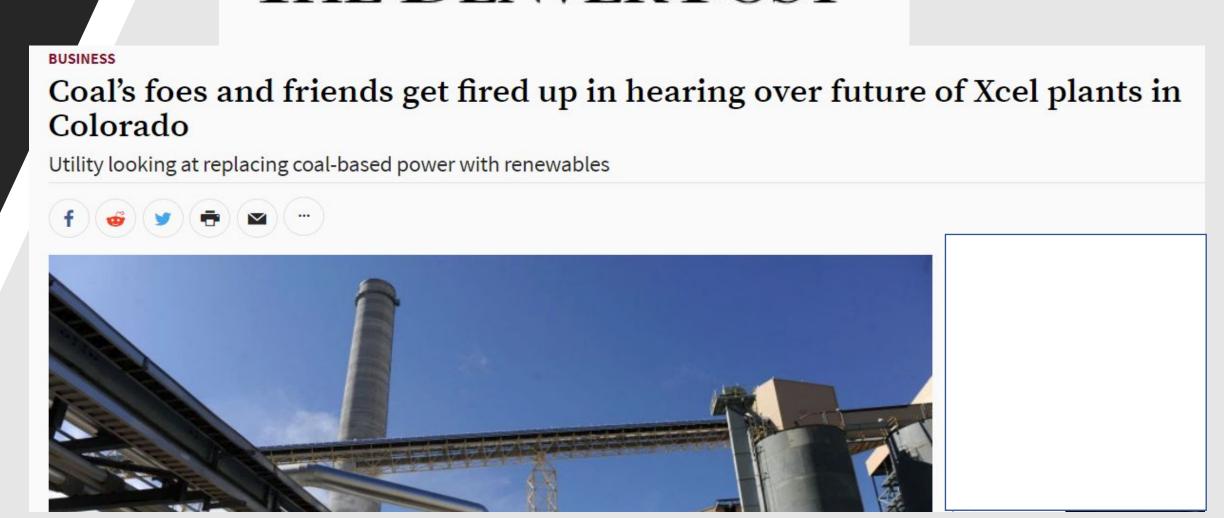


How did Denver reduce emissions with a growing economy and population?

- Individual Actions
 - Getting involved at all levels of government
 - Participating in the democratic process
 - Becoming leaders in neighborhoods and communities

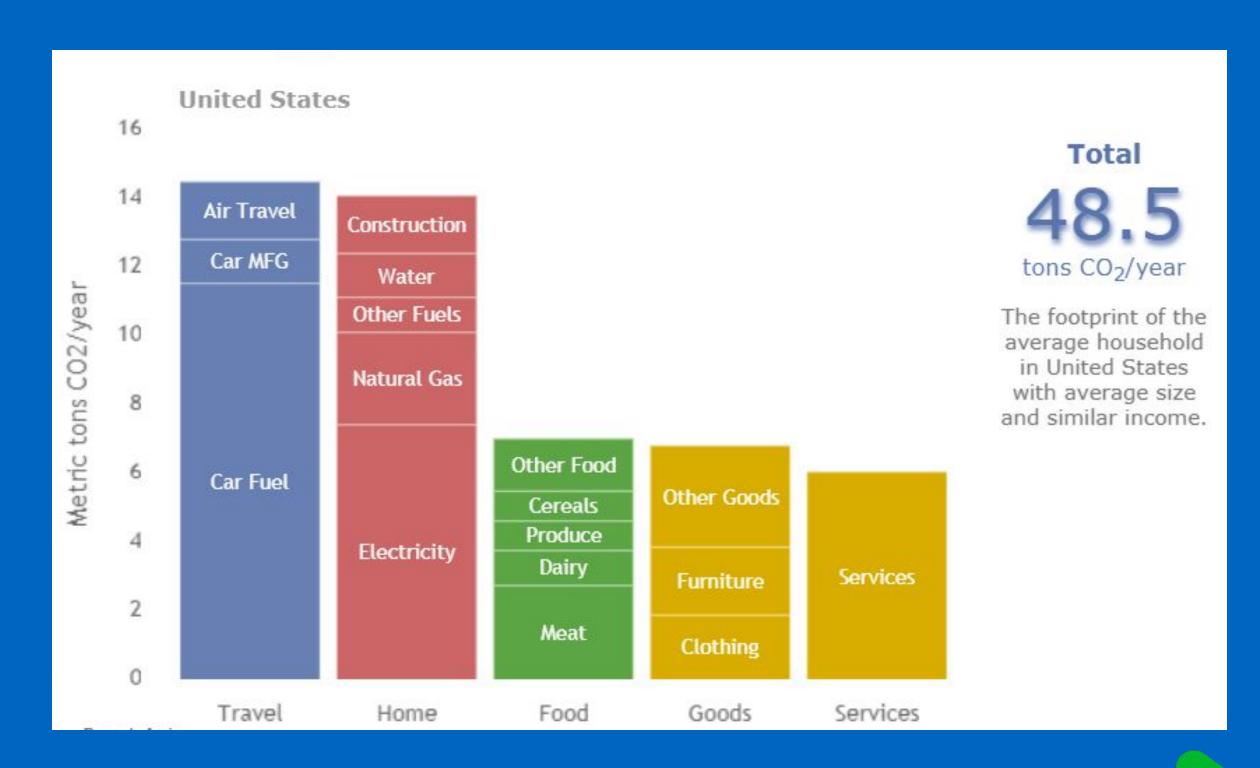


THE DENVER POST



Relative Impacts of Personal Choices

- 1. How we get around
- 2. How we use materials in our homes
- 3. The foods we eat (and waste)
- 4. The goods we buy
- 5. The services we use





Visioning

What does it look like to take climate action?



Conclusion

Take-aways from this session



Want to learn more?

- Chat with us at lunch!
- Visit AccelerateClimateAction.org
- Host your own Forum! (& earn SN credits!)
 - Denver folks talk to Taylor
 - Lakewood folks talk to Alyssa



