



BUILDING
DECARBONIZATION
COALITION

DECARBONIZING BUILDINGS

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An aerial photograph of a dense urban skyline, likely New York City, featuring numerous skyscrapers and mid-rise buildings. The image is dimly lit, with a dark, hazy sky. The text "WHY BUILDINGS?" is centered in a bold, orange, sans-serif font. A small circular logo is visible in the bottom right corner.

WHY BUILDINGS?



Carbon Dioxide Emissions Hit a Record in 2019, Even as Coal Fades



A pump jack in Stanton, Tex. The United States generates 14 percent of global carbon dioxide emissions.
Brandon Thibodeaux for The New York Times



By Brad Plumer

Dec. 3, 2019



"The new data shows that natural gas, which is less polluting than coal but still a fossil fuel, has become the biggest driver of emissions growth globally in recent years "



Sections 

The Washington Post
Democracy Dies in Darkness

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Business

Methane leaks offset much of the climate change benefits of natural gas, study says

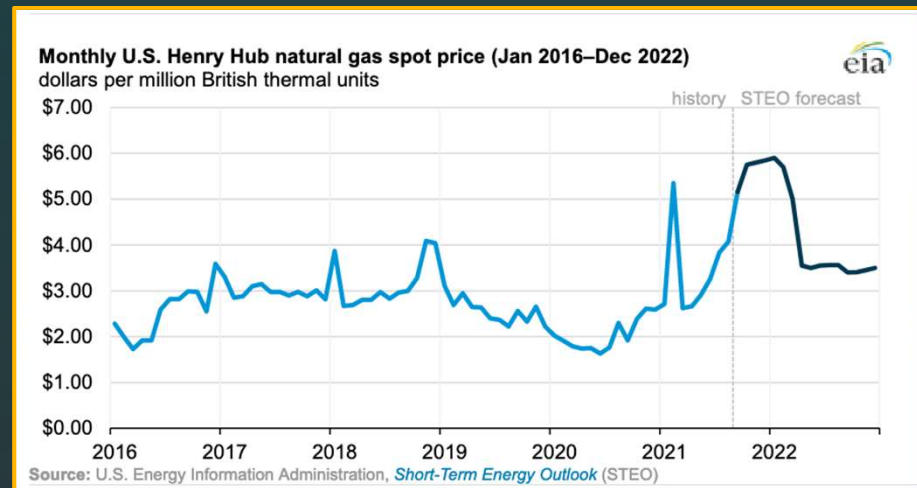
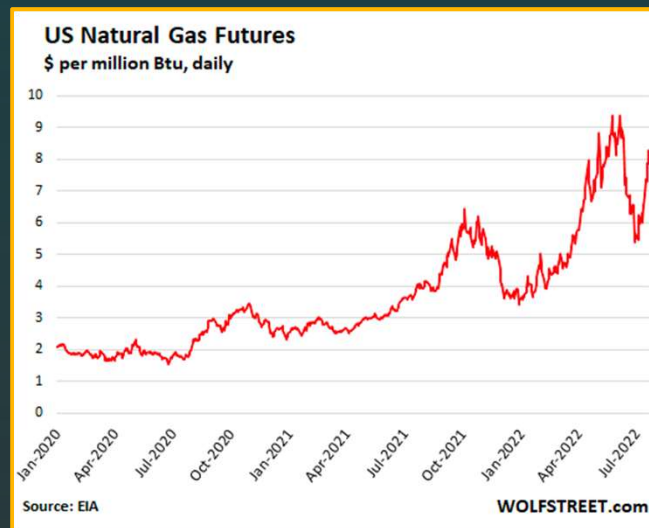


Natural gas burn off near oil pumps in Watford City, N.D. (Charles Rex Arbogast/AP)

By **Steven Mufson**

June 24, 2018 at 3:00 p.m. PDT

Fossil Fuel Costs Will Hit Consumers Hard this Winter

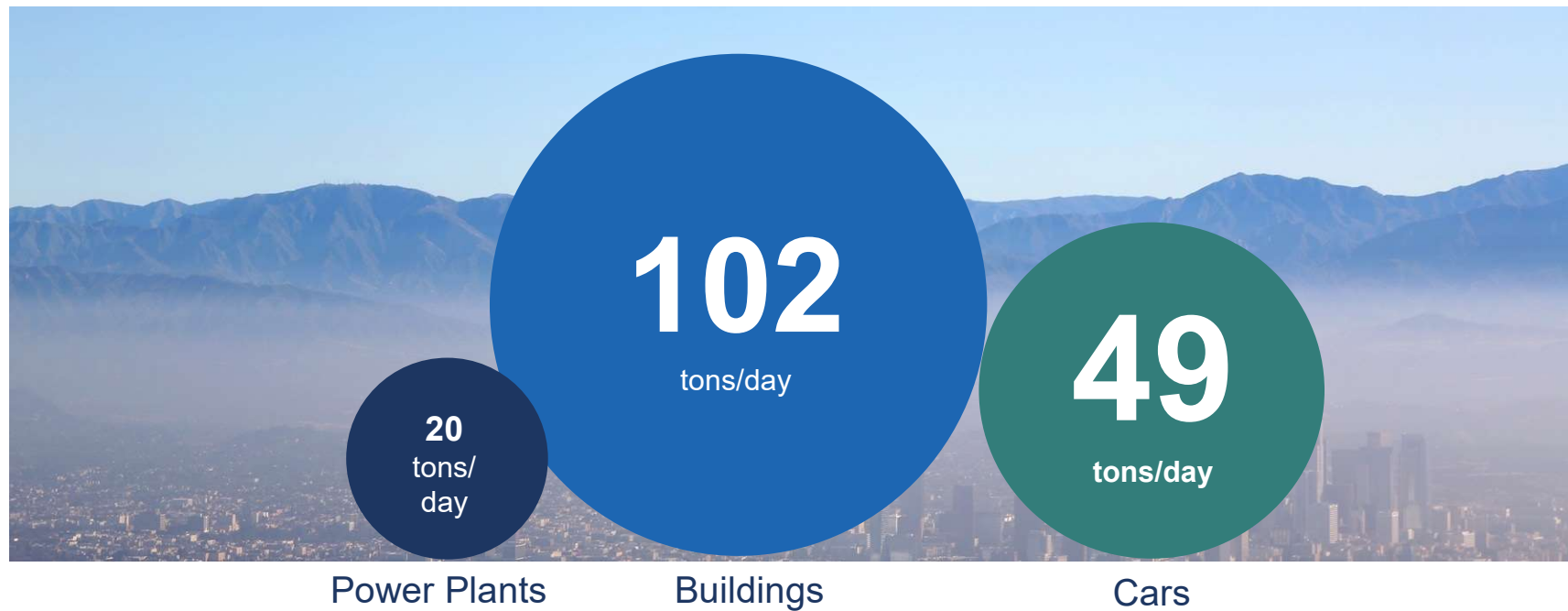


“Compared with last winter’s heating costs, EIA forecasts U.S. households will spend 54% more for propane, 43% more for heating oil, 30% more for natural gas, and 6% more for electric heating. U.S. households will spend even more if the weather is colder than expected.” (U.S. Energy Information Administration (EIA))



Outdoor Air Quality: Burning Fossil Fuels in Buildings is a Big Part of California's Ozone/PM2.5 Problem

Nitrogen Oxides (NO_x) in California, 2020 forecast



Source: CARB's [Standard Emission Tool Emissions Projections](#), 2020 forecasted data





**BURNING GAS IN HOMES
RELEASES MORE NITROGEN
DIOXIDE (NO₂) AND CARBON
MONOXIDE (CO) THAN EPA
ALLOWS OUTDOORS**

Source: Lawrence Berkeley National Labs

Momentum for Electric is Growing

How the New Climate Law Can Save You Thousands of Dollars

Rebates and tax credits can lower the cost of solar panels, energy-efficient appliances and electric vehicles.

Opinion | Want to phase out fossil fuels? We must fundamentally change our buildings.

By Joseph G. Allen, Parichehr Salimifard and Jonathan Buonocore

Chicago passes updated building energy code to support decarbonization

Saturday Soapbox: Shutting off the gas would cool down health risks

California moves to ban natural gas furnaces and heaters by 2030

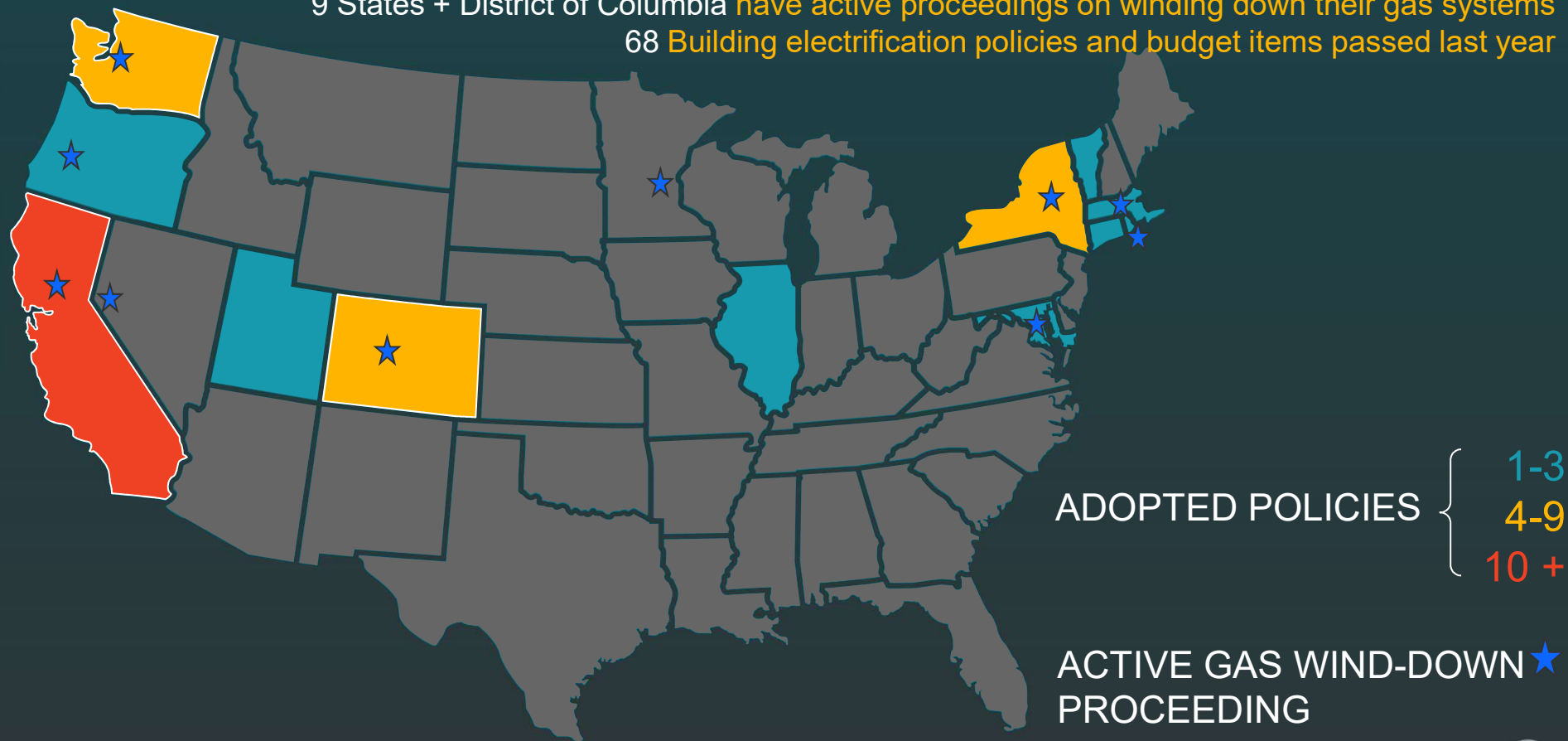
The next frontier for climate action is the great indoors

Americans run "mini fossil fuel plants" in their homes. It's time for change.

By Rebecca Leber | @rebleber | rebecca.leber@vox.com | Oct 1, 2022 9:50am EDT



86 State and local governments have adopted electric-only building codes
9 States + District of Columbia have active proceedings on winding down their gas systems
68 Building electrification policies and budget items passed last year



As of Oct. 17, 2022

Source: <https://www.buildingdecarb.org/zeb-ordinances.html>



Consumer Reports Prefers Induction Stoves

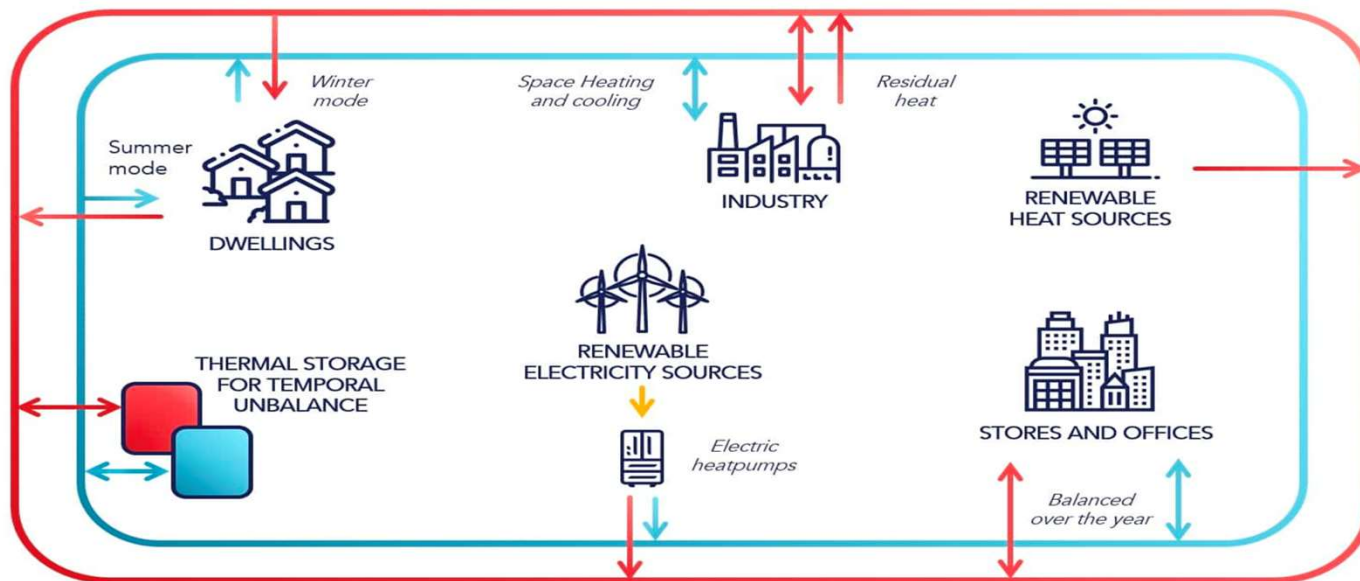
Top 6 of 8 ranges for 2020 were induction



Thermal Energy Networks



Floating warm and cold water temperatures





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THANK YOU

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