

COLORADO'S CLIMATE GOALS:

Untangling Colorado's path to reducing carbon pollution



**WESTERN
RESOURCE
ADVOCATES**

PROTECTING THE WEST'S LAND, AIR, AND WATER

EDF
ENVIRONMENTAL
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Finding the ways that work



Conservation Colorado

The future is worth the fight

Reminders



Time

Questions

Recording

ABOUT OUR PRESENTERS



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2019 MAJOR CLIMATE LEGISLATION



House Bill 1261

Set Economy-Wide Goals to Reduce Carbon Emissions

Directed the Air Quality Control Commission to develop enforceable rules consistent with those goals

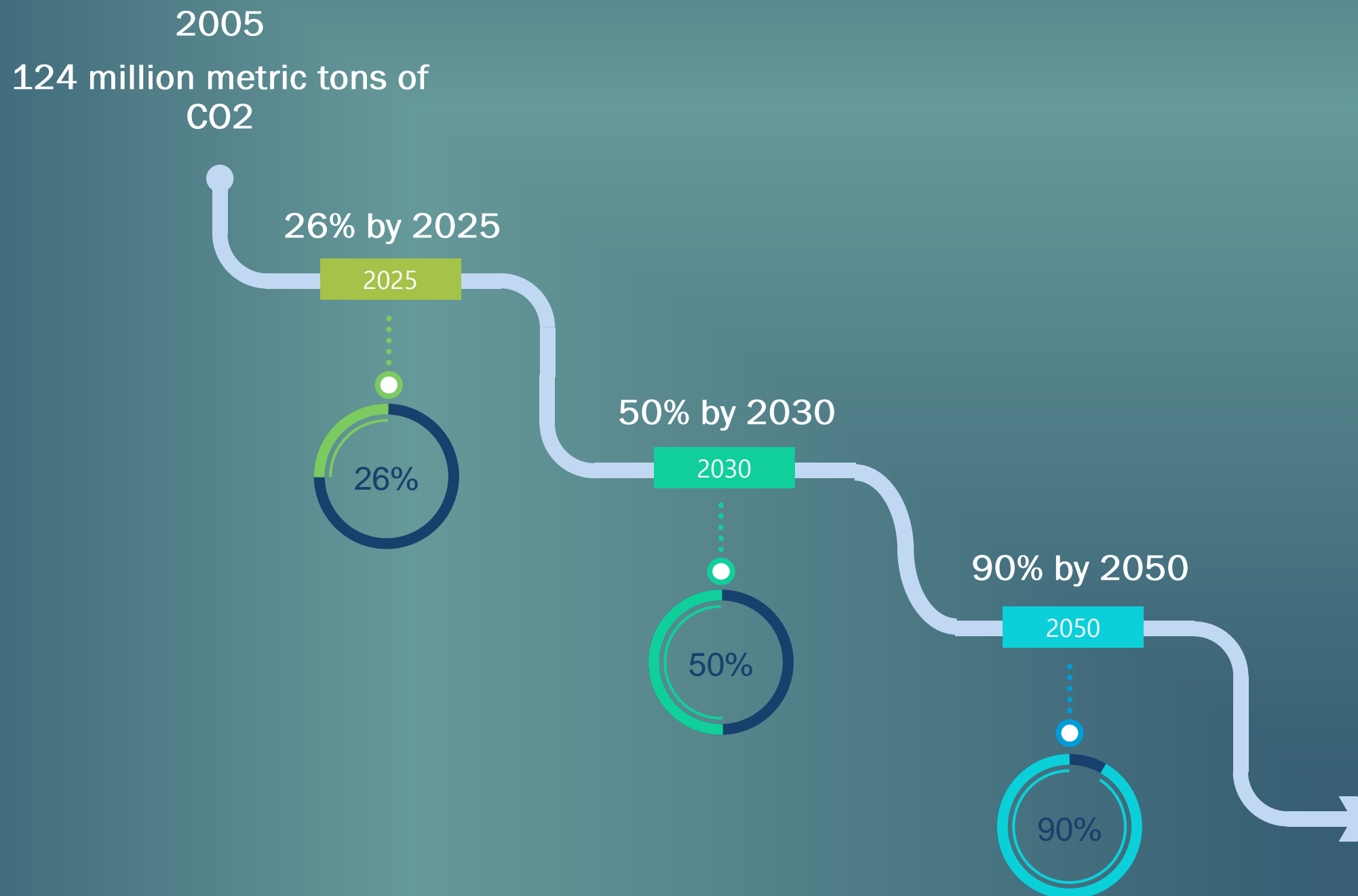


Senate Bill 96

Recognized the need for a robust GHG inventory to enact programs that meet the GHG reduction goals

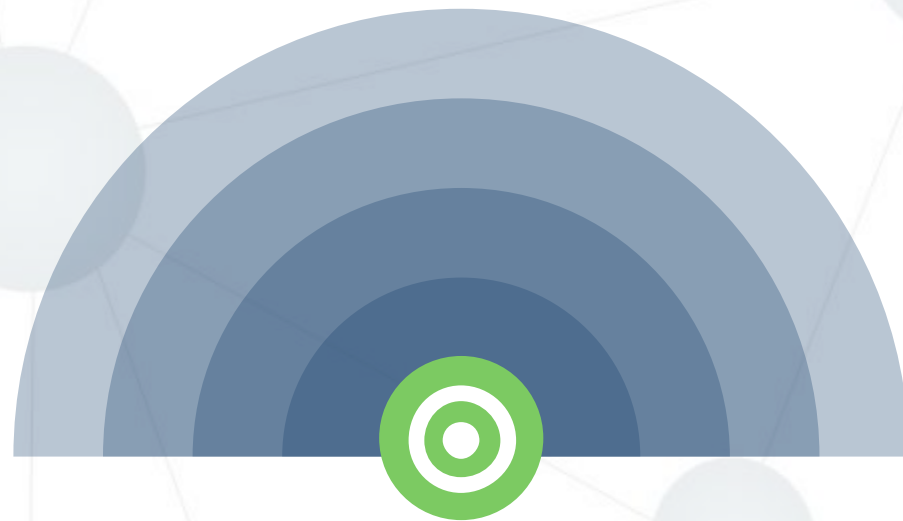
Established a timeframe for the AQCC to propose GHG regulations – July, 2020

House Bill 19-1261 Set Economy-Wide Goals for Reducing Carbon Emissions in Colorado



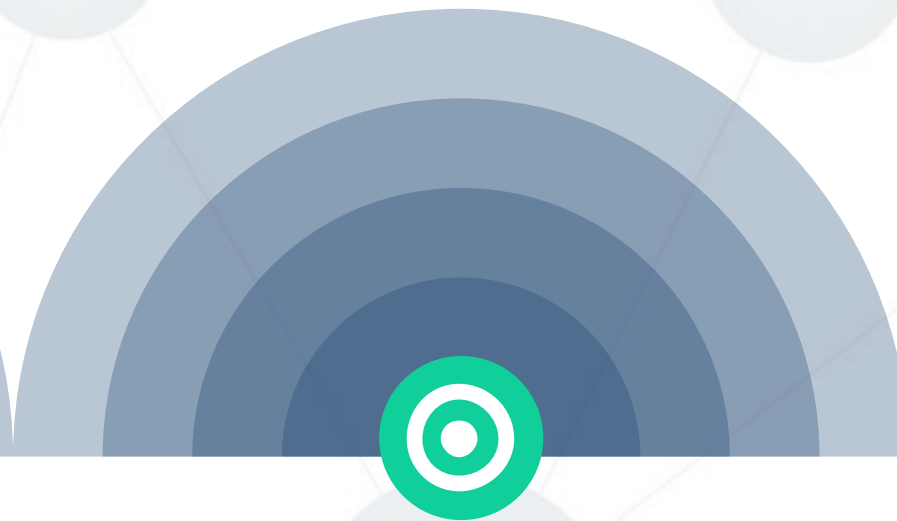
* Goals are all measured against a 2005 baseline.

THE AIR COMMISSION SHOULD ADOPT REGULATIONS THAT ARE...



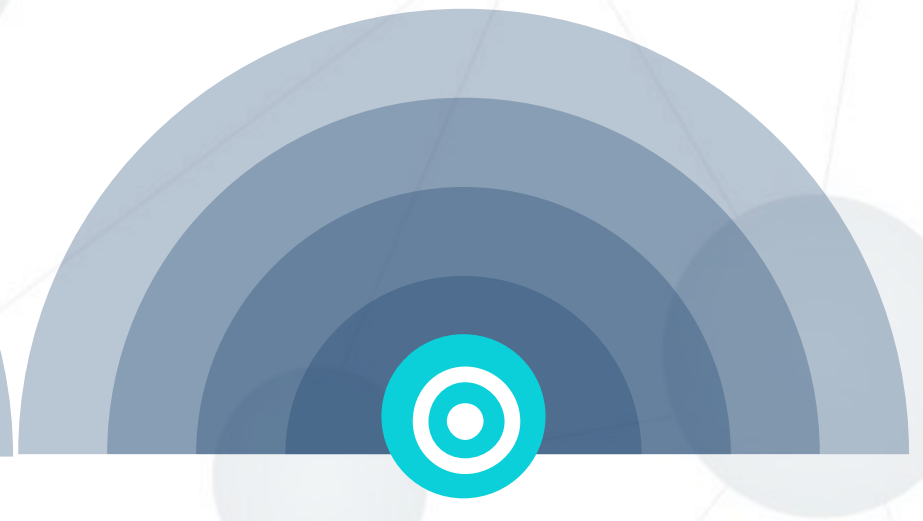
QUANTIFIABLE

Capable of meeting Colorado's science-based goals



ENFORCEABLE

Provide certainty – a “backstop” – to incentives or voluntary policies

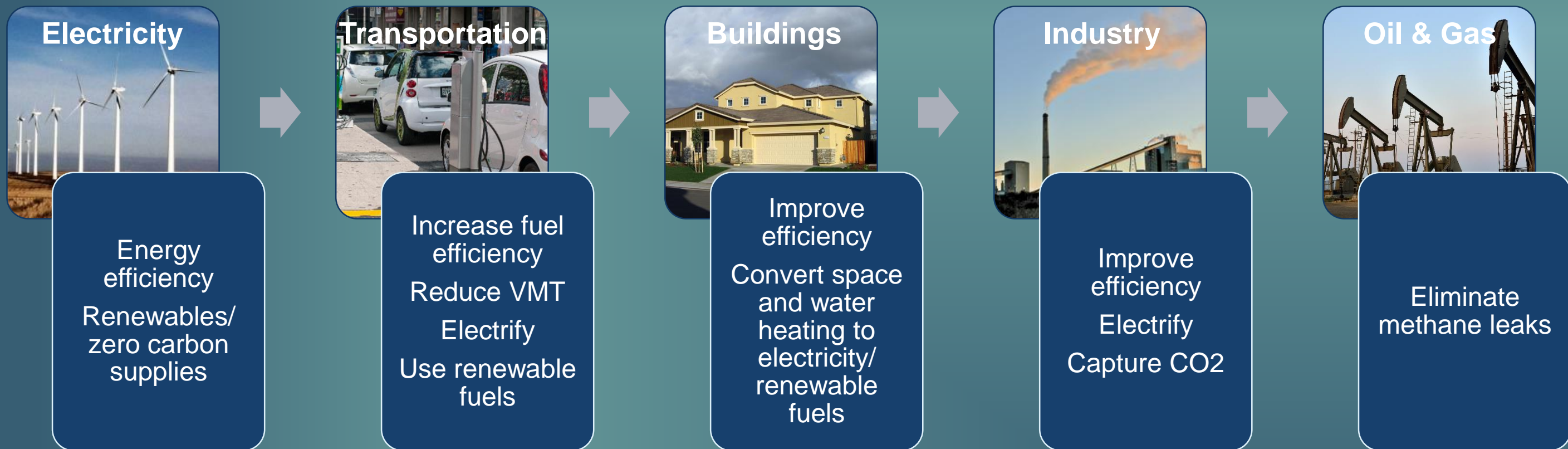


EQUITABLE

Ensure that the benefits of climate action are shared across communities

QUANTIFIABLE

Addressing climate will require key changes in our economy :

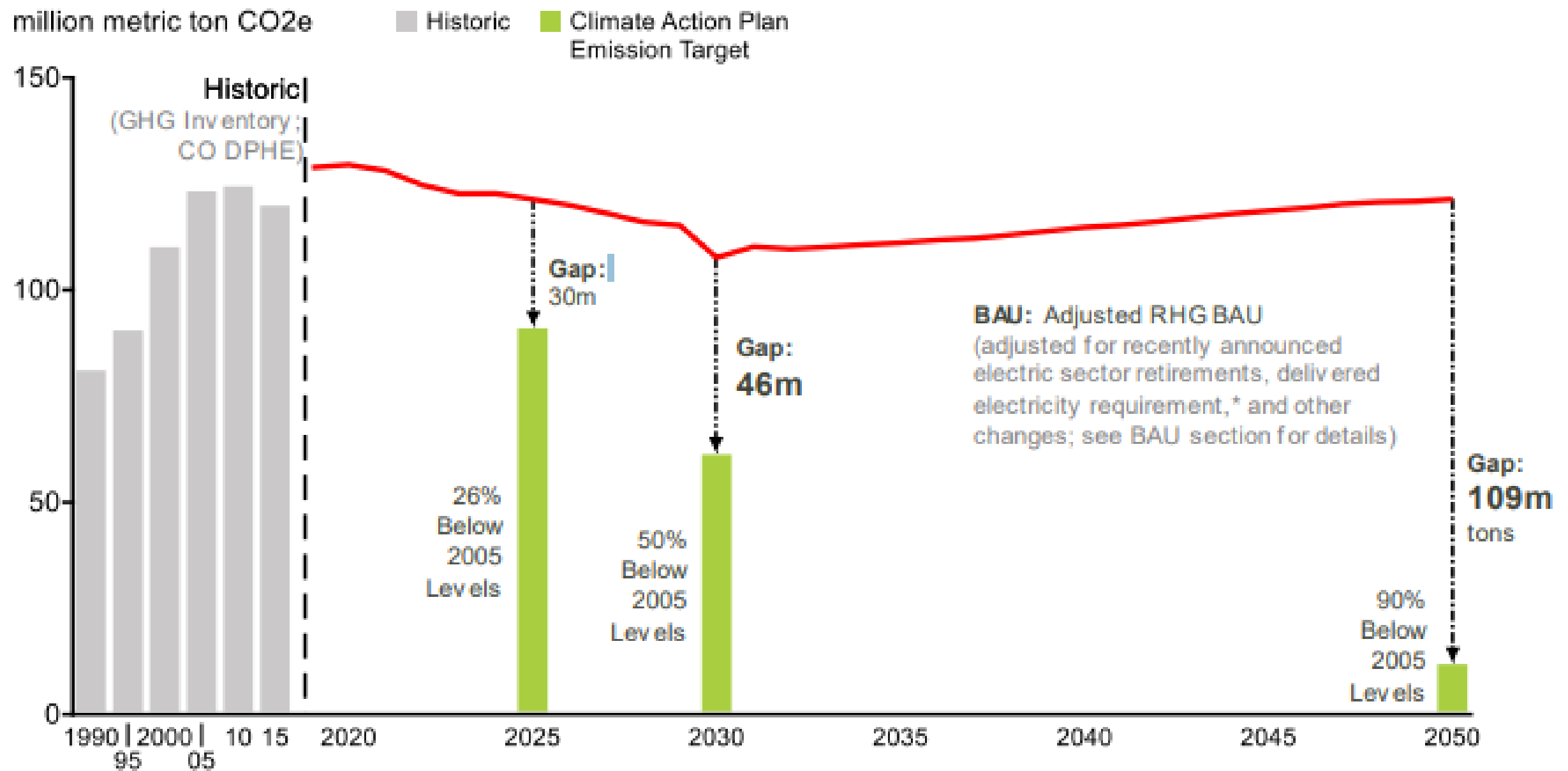


How do we ensure these changes occur on the timeline and at the scale that is necessary?

What is our current trajectory?

The Gap

Figure 3: Projected Economy-wide Emissions Reductions Required



*Illustrative estimates for Colorado's delivered electricity emission reduction requirement assume that emission reductions come from reduced output at in-state coal-fired power plants with zero-emitting resources replacing lost output for the most part. It is beyond the scope of this paper to estimate with any degree of accuracy the actual sources of abatement that a utility may use for compliance, which would depend on regional electricity grid dynamics.

Existing Emission Reduction Strategies

Existing Regulations (reductions in Million Metric Tons of CO₂e in 2030)

2014 Methane Rules

1.6

Comanche Coal Plant Closures: Units 1 & 2

4.2

Low & Zero Emissions Vehicle Standards

2.7

Recently-Adopted Regulations (reductions in MMTCO₂e in 2030)

2019 Oil & Gas Methane Rules

<1

HFC Phase Out (Reg 22)

1.15

Future Potential Emission Reduction Strategies

The GHG Abatement Report evaluated additional policies and strategies to reduce emissions.

Electricity

Replace coal
with zero
carbon
resources

Transportation

940,000 EVs
Low Carbon
Fuel Standard

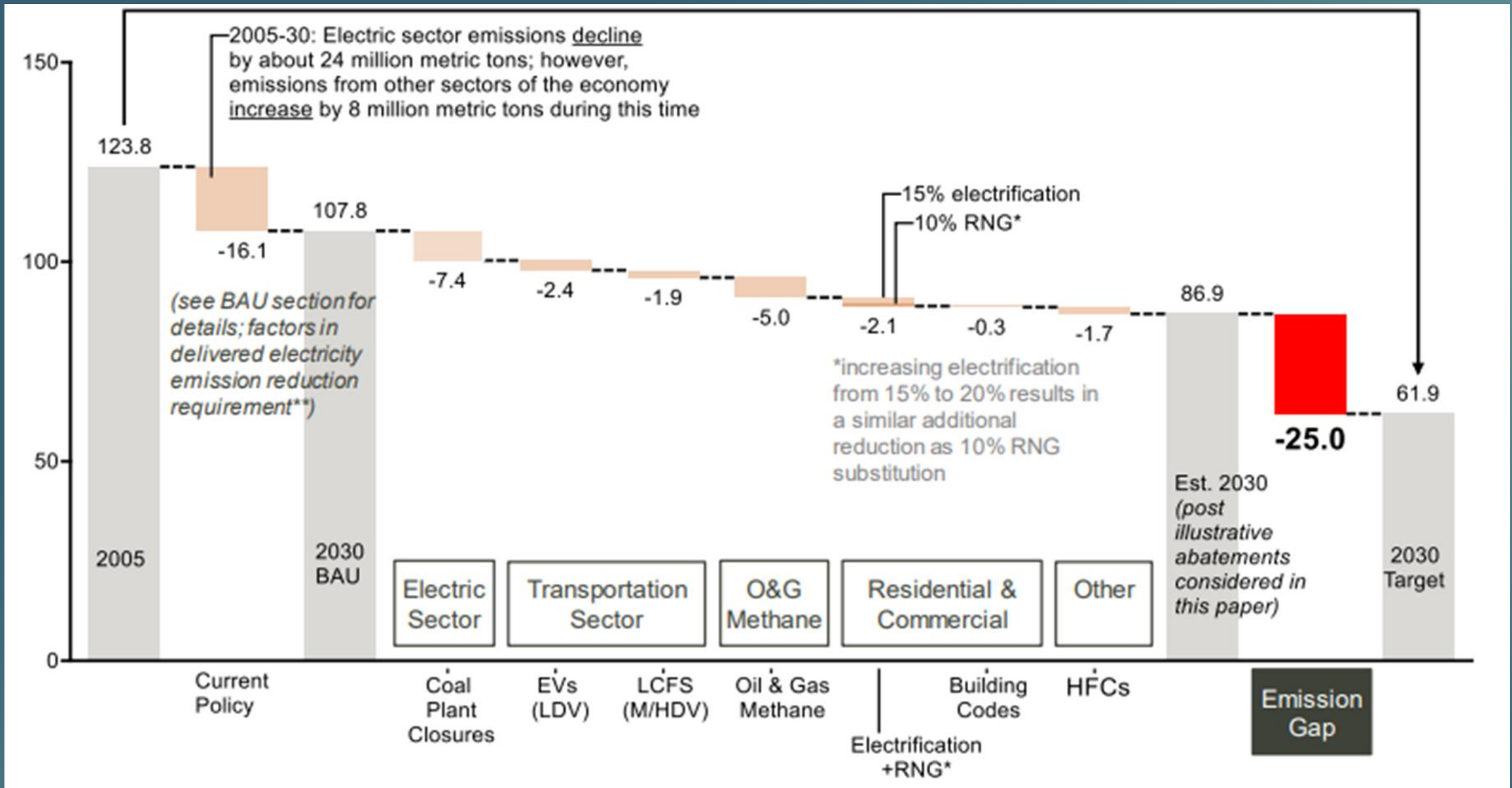
Buildings

Efficient
building codes
Electrify/use alt
fuels in homes
and
businesses

Oil & Gas

Continuous
monitoring &
stringent
pollution
controls

Must Increase Scale of Ambition: Next-Generation Policies leave Significant Gap

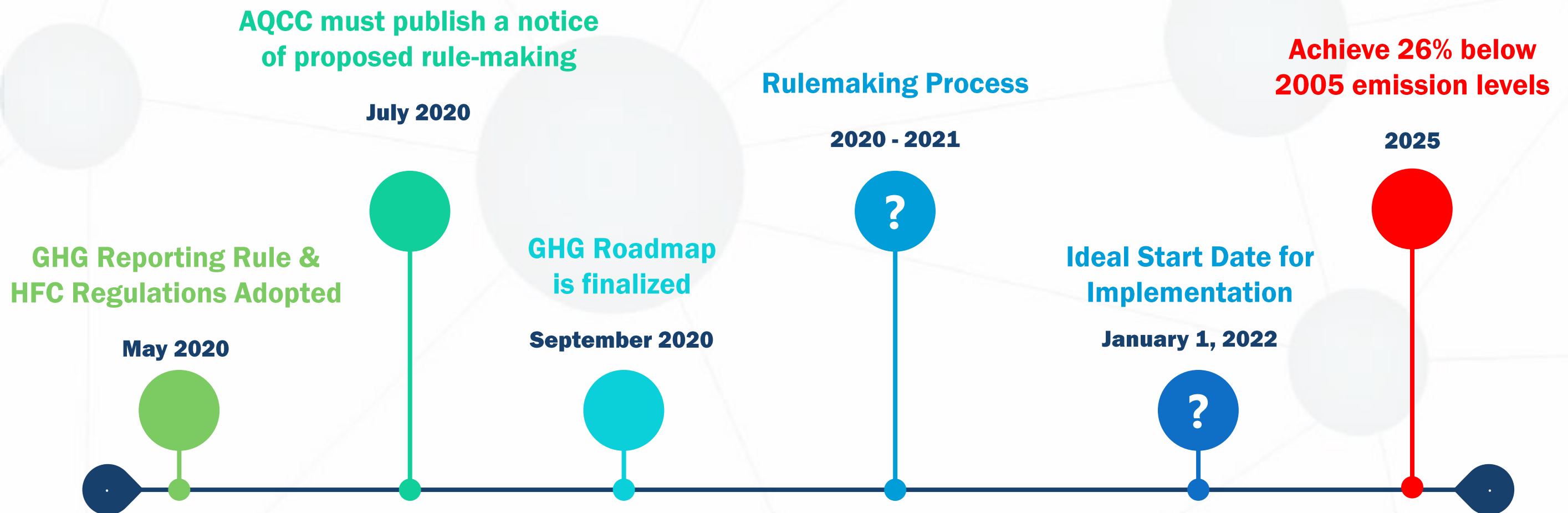


ENFORCEABLE

Optimal Approach: Backstop + complementary policies

Emission Limits	Performance Standards	Technology & System Change
<p>= Guarantee overall level of pollution</p> <ul style="list-style-type: none">Declining limits/budgets<ul style="list-style-type: none">Source limits (i.e. SB236)Sector limitsMulti-sector limitsCap & Invest/dividendComprehensive Mandate<ul style="list-style-type: none">Ban all ICE by 20XXEliminate new and existing NG hookups for home heating	<p>= Require reductions, though overall emission outcomes are uncertain</p> <ul style="list-style-type: none">Performance Standards<ul style="list-style-type: none">HFC requirementsLEV requirementsLCFSBuilding CodesEmission control widgets<ul style="list-style-type: none">(such as no bleed pneumatic devices, CCS requirements, BACT)	<p>= Require/incentivize tech deployment, targeted investment, etc.</p> <ul style="list-style-type: none">Technology mandates<ul style="list-style-type: none">ZEV requirementsRES/CES requirementsEV infrastructure investmentsIncentives/pricing<ul style="list-style-type: none">Carbon TaxElectrification incentivesLCFS

PROCESS FORWARD



EQUITABLE

Climate Change + Environmental Racism

“I need you to understand that our racial inequality crisis is intertwined with our climate crisis. If we don’t work on both, we will succeed at neither.”

— Dr. Ayana Elizabeth Johnson, Ocean Collective,

[Washington Post op-ed](#)

June 3, 2020

EQUITABLE

Climate Change + Environmental Racism

- “...**ongoing tracking of emission sources** that adversely affect disproportionately impacted communities...”
- “The commission will **identify disproportionately impacted communities.**”
- “...**specifically soliciting input** from those most impacted by climate change, including disproportionately impacted communities.”
- “...and must **include strategies designed to achieve reductions** in harmful air pollution affecting those communities.”

EQUITABLE

What do equitable climate policies look like?

1. Invest in equitable community infrastructure
2. Center and invest in community driven approaches/solutions
3. Minimize — better yet, avoid — burdens
4. Create economic opportunities
5. Ensure equitable access to beneficial technologies

Source: Climate Action Equity Working Group

MAKE YOUR VOICE HEARD

Submit comments to the AQCC by emailing

cdphe.aqcc-comments@state.co.us

**Learn more about the Colorado Energy Office's GHG Roadmap
and submit comments through**

<https://energyoffice.colorado.gov/climate-energy/ghg-pollution-reduction-roadmap>

To learn more, visit

<https://westernresourceadvocates.org/action/ensure-colorado-meets-its-climate-goals/>

QUESTIONS?