



COLORADO

Department of Transportation

Incorporating Greenhouse Gas Emissions Reductions into Transportation Planning Regional Meetings - February, 2021



Today's Focus

1. Overview of Colorado's climate legislation/policy framework
2. Proposed rules and policy for transportation sector
3. Stakeholder Input



Colorado's Efforts To Address Climate Change

HB-1261

- In 2019, the Colorado General Assembly passed House Bill-1261, the *Climate Action Plan to Reduce Pollution*.
- HB 1261 established the following GHG reduction targets:
 - 26% by 2025, 50% by 2030, and 90% by 2050 from 2005 levels

GHG Roadmap

- Lays out near/long term actions in every sector to meet the established targets
- To ensure that Colorado continues to reduce emissions to meet greenhouse gas targets, reduce local air pollution, and realize the full economic benefits of the transition to a clean energy economy.
- Draft document released in Sept 2020; final in Jan 2021.
- <https://energyoffice.colorado.gov/climate-energy/ghg-pollution-reduction-roadmap>



Largest GHG Emissions Sources

2005 Largest Emission Source:

1. Electric power
2. Transportation
3. Oil & Gas
4. Buildings

2020 Largest Emissions Sources

1. Transportation
2. Electric power
3. Oil & Gas
4. Buildings

2020 CO GHG Emissions (MMT CO₂e, AR5 100-yr GWP)

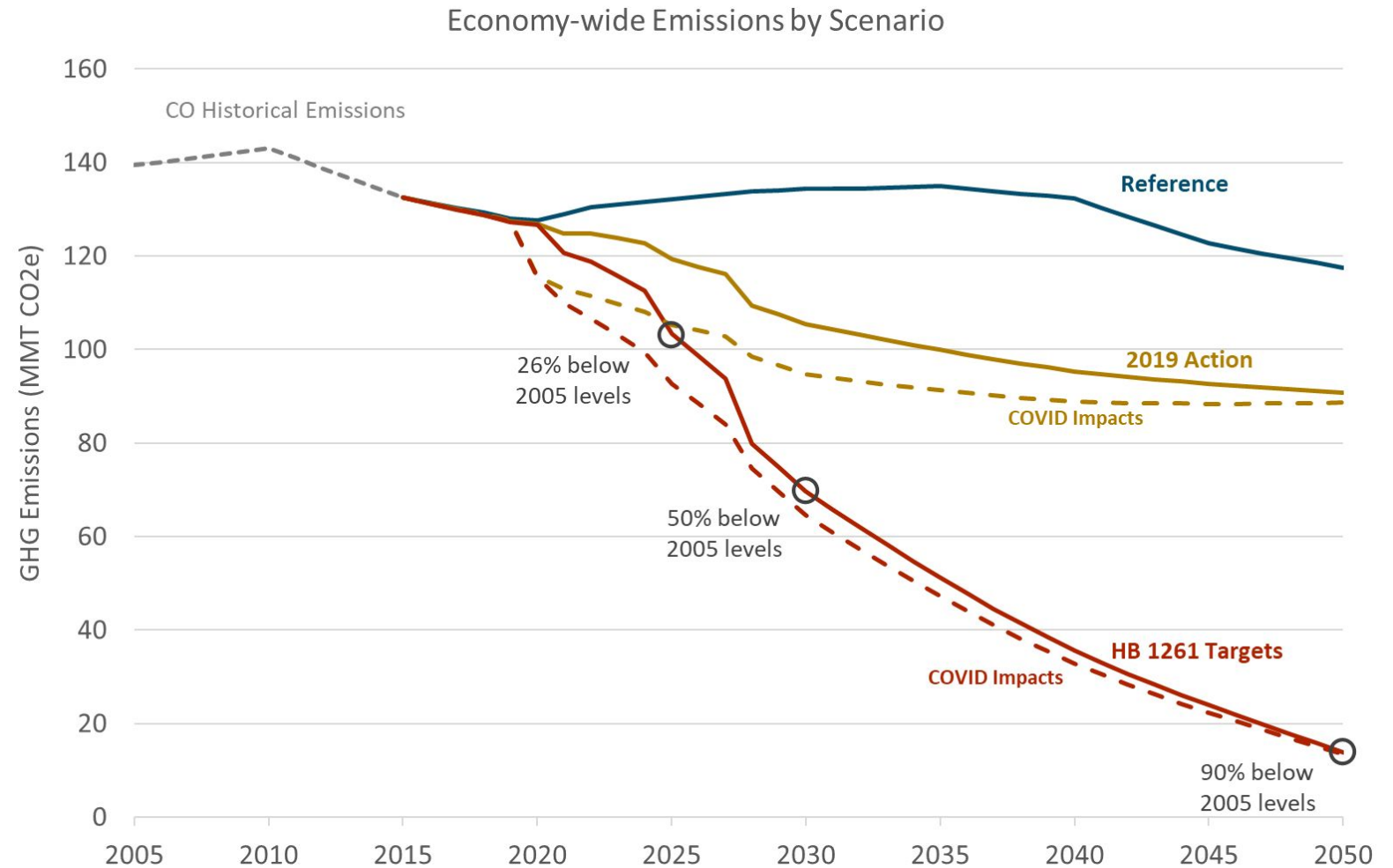




Colorado GHG Pollution Over Time

SIGNIFICANT PROGRESS UNDERWAY & MORE ACTION NECESSARY

- As a result of the state's actions to date, we are on a trajectory to achieving approximately half the level of emission reductions to meet the 2025 and 2030 goals.
- Additional strategies can advance co-benefits such as reducing local air pollution, generating economic growth, advancing environmental justice and equity.





Near-Term Transportation Actions included in the CO GHG Roadmap

Infrastructure (Planning & Projects)

- GHG pollution standards for transportation plans [FOCUS of MTG]

Human Factors (Behavior Change)

- Indirect source standards for some types of new development.
- Trip reduction/TDM requirements and encouraging telecommuting for large employers [Separate process]
- Expansion of public transit, including setting the stage for Front Range Rail
- Incentives for land use decisions by local governments that reduce pollution and support greater access to housing near jobs.

Mobile Sources (Vehicles)

- Clean trucking strategy including evaluation of Advanced Clean Truck ZEV standards
- New revenue mechanism to fund infrastructure and incentives to transition to low and zero emissions cars, trucks and buses



Regulatory Approach

- The Colorado Air Quality Control Commission (AQCC) is appointed by the governor and authorized by the Colorado General Assembly. The AQCC develops air pollution control policy and regulates pollution sources.
- The AQCC is taking up a series of rulemakings across all sectors to address GHG emissions and implement recommendations in the Roadmap. One of these rulemakings will focus on the transportation sector.
- The Colorado Department of Transportation, and its Governor-appointed Transportation Commission has statutory authority over the transportation planning process. This process is guided by a series of Policy Directives issued by the Transportation Commission.
- The GHG Pollution Standard will therefore include actions by both bodies.



Proposed Transportation Rule & Policy Directive

AQCC Rulemaking

- Integrate GHG pollution standards and analysis in regional and statewide transportation plans: GHG Pollution Standard
- Reduce SOV commuter trips: Large Employer Trip Reduction
- Both included in single rulemaking via the CDPHE/Air Quality Control Commission process
 - May draft; August final

CDOT Policy

- In parallel, CDOT will develop implementation guidance via a policy directive specific to GHG Pollution Standard

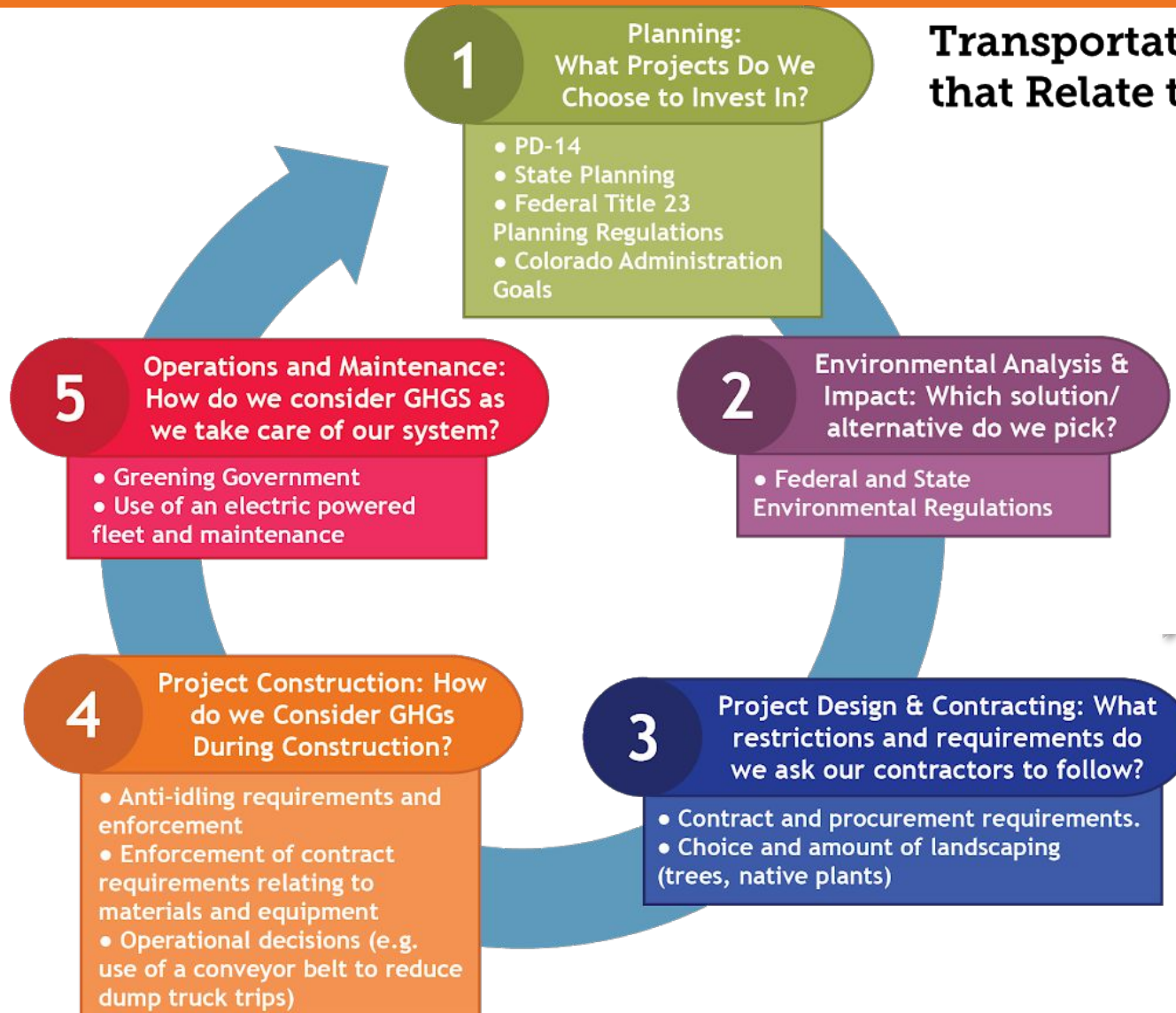


GHG Pollution Standard (GPS) Rule Approach

Initial Thinking

- Set a numeric GHG “budget” for transportation plans (statewide and regional).
- Phased implementation with initial focus on state and certain MPO plans.
- Focus on projects that increase capacity
- CDOT guidance will focus on the practicalities of how the policy translates into specific project-based requirements.
- Inclusion of other measures to meet budget.

Transportation Guidance and Regulations that Relate to Greenhouse Gas Emissions





Air Quality Control Commission Rulemaking in 2021

Transportation Rule

Transportation GHG Pollution Standard

- What are your questions?
- What concerns do you have?
- What challenges do you see as important to address when developing these rules and policies?
- Who else should we reach out to for future regional discussions?



Regional Meetings

- Feb 16 10:30-11:30 (Region 1 - Denver Metro Area)
- Feb 16 1-2pm (Region 4 - Northeast)
- Feb 18 3-4pm (Region 2 - South/SouthEast)
- Feb 19, 9-10am (Region 3 - Northwest)
- Feb 22, 1:30-2:30 (Region 5 - Southwest)

CDOT Advisory Group

Feb 25 - CDPHE Listening Session

April - another opportunity to hear from Regional Stakeholders

Other ideas?



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