THE COLORADO ENERGY POLICY LANDSCAPE

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Colorado Net Electricity Generation by Source (Feb 2020)

- **Natural Gas**: 35.5%
- **Coal**: 37.7%
- **Hydroelectric**: 3.2%
- **Non-hydro Renewables**: 23.5%

*Source: U.S. Department of Energy, Energy Information Administration*
Colorado’s Greenhouse Gas Emissions vs. Climate Action Plan Targets

Millions of Metric Tons of CO₂-Equivalent (MMTCO₂e)

- Historical Estimate
- Current Projection

- 2025 Target
- 2030 Target
- 2050 Target
**SUSTAINABLE ENERGY FUTURE - ROADMAP**

- **Set goals**
  - HB 1261: Climate Action Plan To Reduce Pollution
    - Reduce 2025 GHG emissions by 26%
    - Reduce 2030 GHG emissions by 50%
    - Reduce 2050 GHG emissions by 90%
  - SB 236: Sunset Public Utilities Commission
  - SB 181: Protect Public Welfare Oil And Gas Operations
  - HB 1314: Just Transition From Coal-based Electrical Energy Economy
  - SB 236: Sunset Public Utilities Commission
- **Integrate goals into ERP Process**
  - SB 236: Sunset Public Utilities Commission
- **Provide tools to transition away from fossil fuels**
  - SB 181: Protect Public Welfare Oil And Gas Operations
  - HB 1314: Just Transition From Coal-based Electrical Energy Economy
  - SB 236: Sunset Public Utilities Commission
- **Incentivize widespread adoption of renewables**
  - HB 1003: Community Solar Gardens Modernization Act
  - SB 077: Electric Motor Vehicles Public Utility Services
Sustainable Energy Future – 2020 Roadmap

**Tools for consumers to reduce emissions**
- SB20-167: Electric Motor Vehicle Manufacturer And Dealer
- HB20-1155: Higher Efficiency New Construction Residence
- (Not introduced) Energy Assistance Opt-out Round-up Program

**Fiscal policies to reduce emissions**
- SB20-168: Sustainable Severance & Property Tax Policies

**Oil & gas sector decarbonization**
- SB20-038: Statewide Biodiesel Blend Requirement Diesel Fuel Sales
- SB20-150: Adopt Renewable Natural Gas Standard

**Electric grid modernization**
- SB20-190: Boost Renewable Energy Transmission Investment
- (Not introduced) Gas Utilities Update Demand-side Mgmt Metrics
WHAT’S NEXT?

- Beneficial Electrification
- Renewable Natural Gas Standard
- Embedded Carbon in Construction Materials
- Carbon price in gas distribution planning
- Social cost of methane
- Regional transmission planning and integration
- Accelerate electrification of the transportation sector
THE FUTURE OF TRANSPORTATION

Time

VMT

2028

2035

AV/EV

EV

Gas
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