

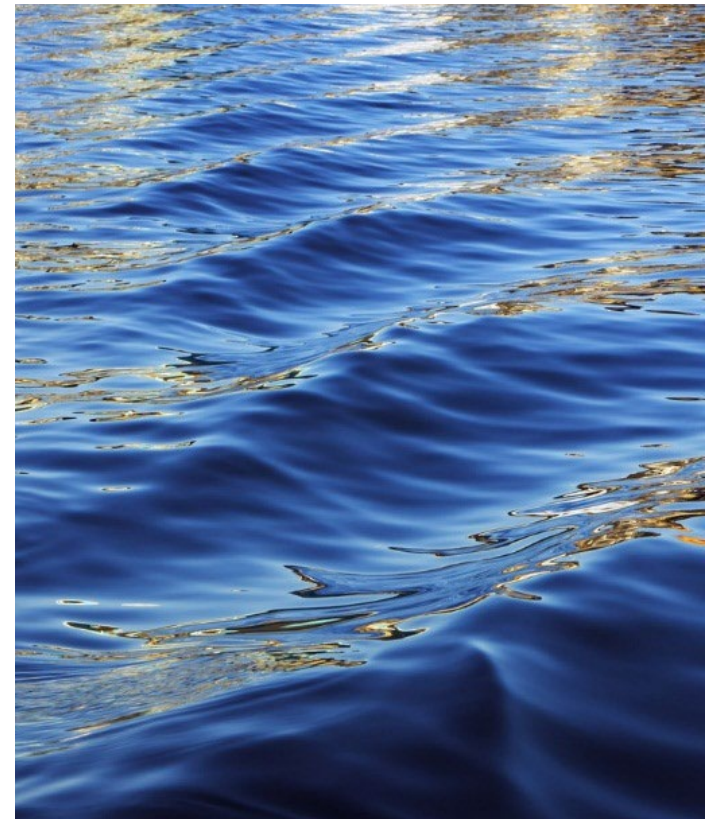


Rising to Our Climate Challenge: New Mexico Climate and Air Quality Initiatives

September 21, 2022

Four Corners Air Quality Group Meeting

*New Mexico Environment Department -
New Mexico Climate Change Task Force*



Today's Presentation



Governor's Executive Order 2019-003



2018 Greenhouse Gas Emissions Profile



Emission Reduction Achievements



Where Are We Headed?



Questions

Governor Lujan Grisham's [Executive Order 2019-003](#)

- **Join the US Climate Alliance**
- **Achieve emission reductions of at least 45% below 2005 levels by 2030**
- **Establish the Climate Change Task Force**
- **Specific Policy Initiatives:**
 - ✓ Increase the renewable portfolio standard and energy efficiency standards for electric utilities
 - ✓ Secure reductions in oil and gas methane emissions
 - ✓ Adopt zero and low emission vehicle standards
 - ✓ Adopt energy efficient building codes
- **Adopt market mechanisms**



New Mexico State Agency Climate Change Task Force



Task Force composed of cabinet secretary or designate from each agency



Climate Action Teams (CATs) recommend sector-specific actions and policies



Task Force to integrate climate adaptation and mitigation practices into agency policies

Climate Change Task Force: Climate Action Teams (CATs)



Clean Electricity and Grid Modernization



Transportation Decarbonization



Clean and Efficient Buildings



Oil and Gas/ Industry



State Leadership



Economic Transition



Natural and Working Lands



Emergency Management, Health, and Resilience



Sustainable Infrastructure and Planning



Cultural Heritage

MITIGATION: Reducing Greenhouse Gas Levels

ADAPTATION / RESILIENCE: Ability to rebound and thrive given climate impacts

New Mexico's 2018 Greenhouse Gas Emission Study

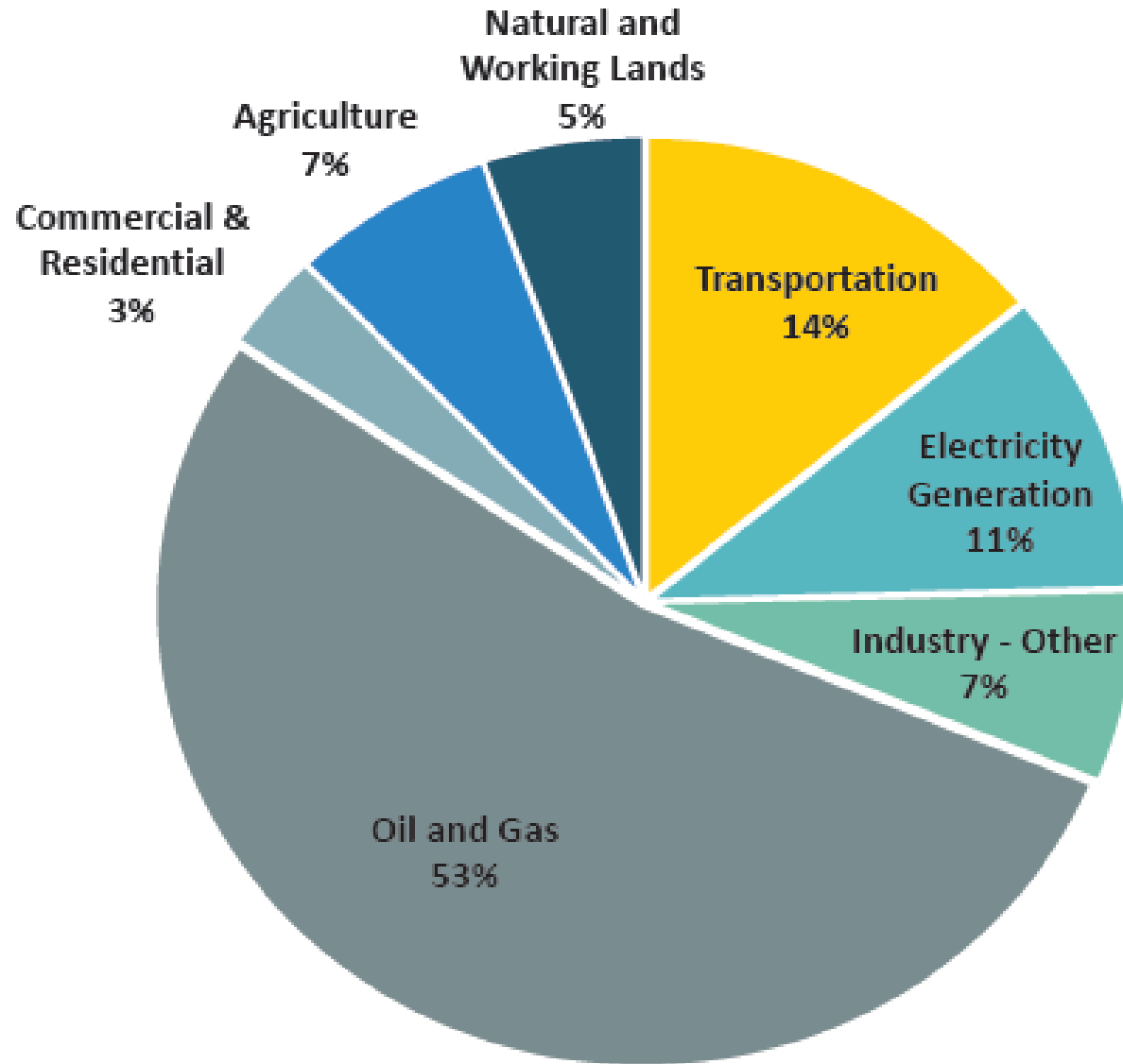
Industrial and Oil & Gas

Transportation

Electricity

Natural and Working Lands

Built Environment



This Study

- Inventoried all 2005 and 2018 greenhouse gas emissions in NM
- Projects future state emissions based on current, proposed, and possible policies
- Helps us:
 - Know our baseline and target emissions levels (45% below 2005 by 2030)
 - Understand where emissions come from in our state, now and in the future
 - Prioritize where we can increase our efforts to reduce emissions

New Mexico's Emission Reduction Achievements

2019

- [Energy Transition Act](#) (addresses electricity emissions)
- [Efficient Use of Energy Act](#)
- [Electric Utility Transportation Electrification Planning](#)

2020

- [2018 New Mexico Greenhouse Gas Inventory](#)
- [Solar Market Development Tax Credit](#)
- [VW Settlement Funds Awarded to Alternately-fueled Vehicles and Infrastructure](#)

2021

- [Natural Gas Waste Rule](#) (addresses oil and gas emissions)
- [New Building Energy Code](#)
- [Grid Modernization Road Map](#)
- [Executive Order \(2021-052\) on 30 x 30 Land Conservation Framework](#)
- [Sustainable Building Tax Credit](#)
- [Community Solar Act](#)

2022

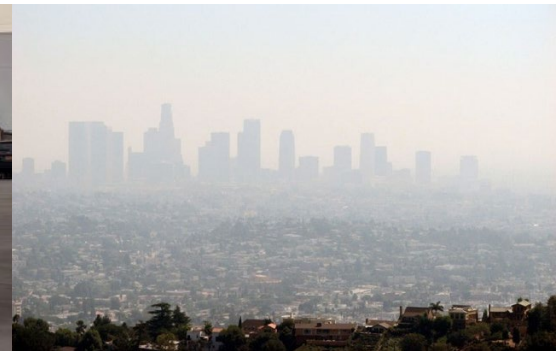
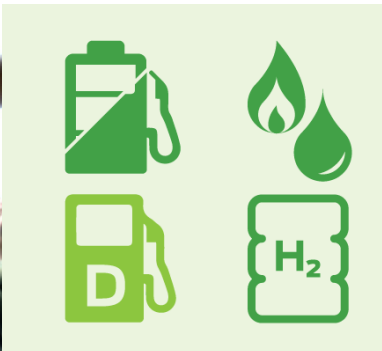
- [Community Energy Efficiency Development Block Grant](#)
- [Ozone Precursor Rule](#) (addresses oil and gas emissions)
- [Clean Car Rule](#) (low and zero-emissions for new passenger cars and trucks)
- [Executive Order 2022-013 Establishing the Clean Hydrogen Development Initiative](#)
- [National Electric Vehicle Infrastructure Program](#) and [Plan](#)
- [Funding for Climate Change Bureau](#) within NMED



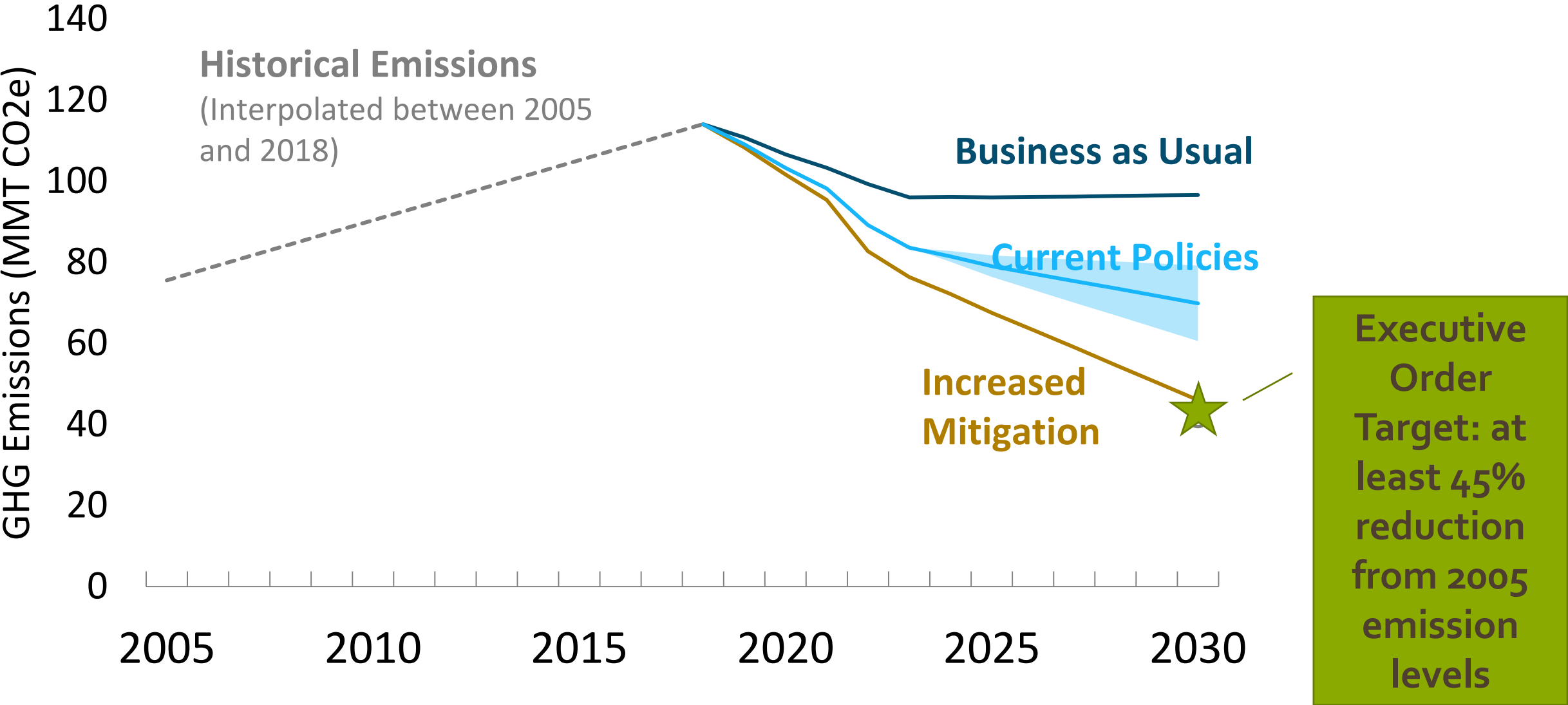
Learn more at <https://www.climateaction.nm.gov/>

NM Environment Department Ongoing Initiatives

- Implementing the Ozone Precursor Rule
- Implementing the Clean Car Rule
- Regional Haze Revised State Implementation Plan
- Ozone Attainment Initiatives / Ozone Advance
- CO₂ Emission Standards for Coal-fired Power Plants per Energy Transition Act
- Reduction of Transportation Emissions
- Standing up the Climate Change Bureau
- Establishing a New Mexico Clean Fuel Standard
- Supporting Communities with Bipartisan Infrastructure Law and Inflation Reduction Act Funding
- Continued Integration of Equity Principles



Anticipated Reductions from Executive Order Climate Actions



New Mexico Energy Policy Simulator

Identifies what policies are needed to meet climate goals



A real-time model of emissions/economic impacts

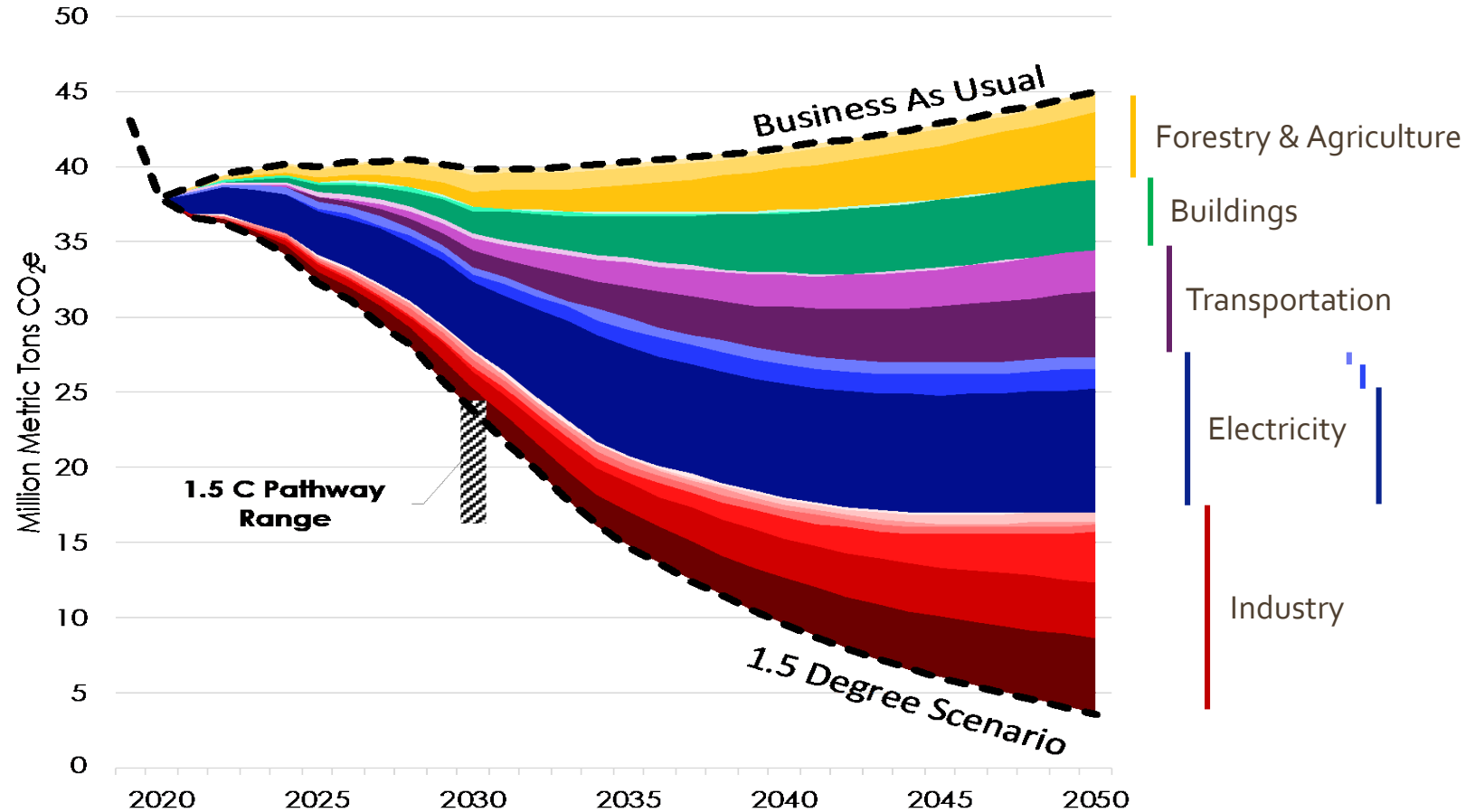
- Unparalleled interactivity for use in a variety of settings
- Users can build scenarios by combining policies
- Measures the impact of individual policies and *policy interactions*



Free, public, open-source, and easy to use

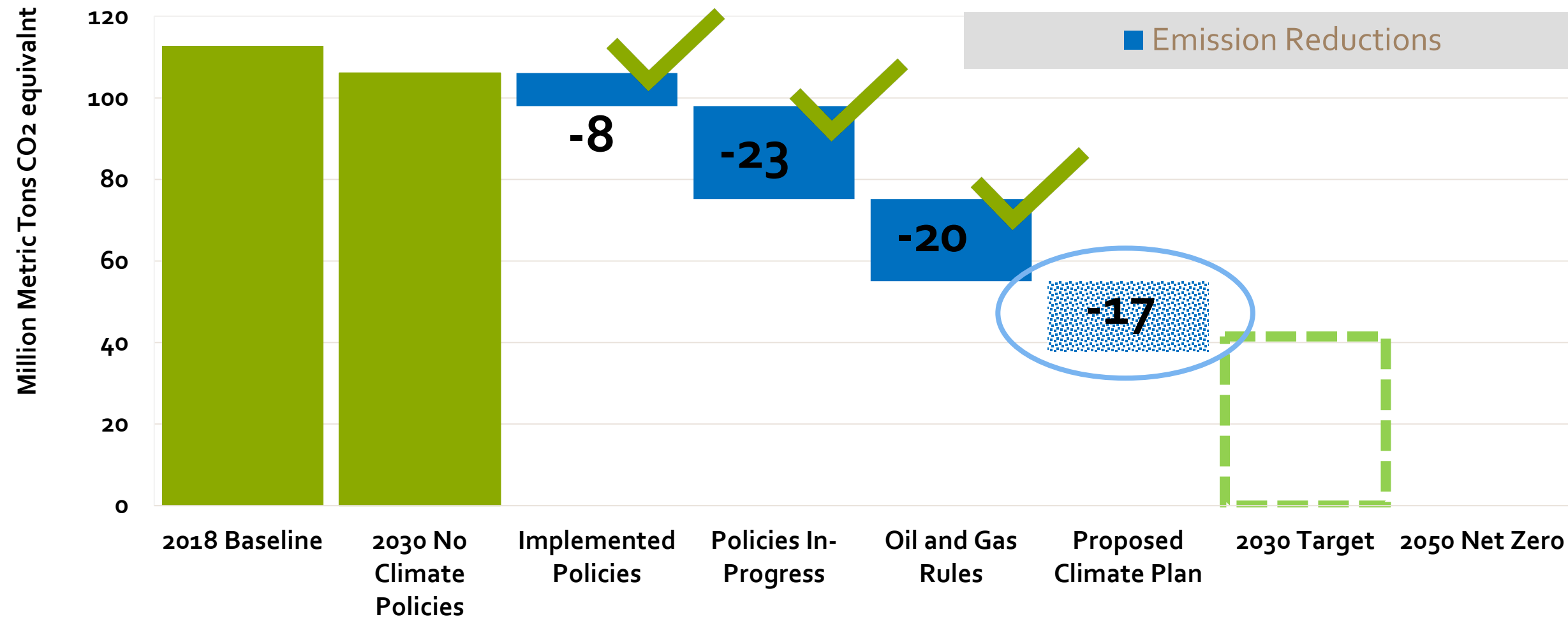
- Based on publicly available data
- Peer-reviewed and transparent methodologies

GHG Reductions by Policy

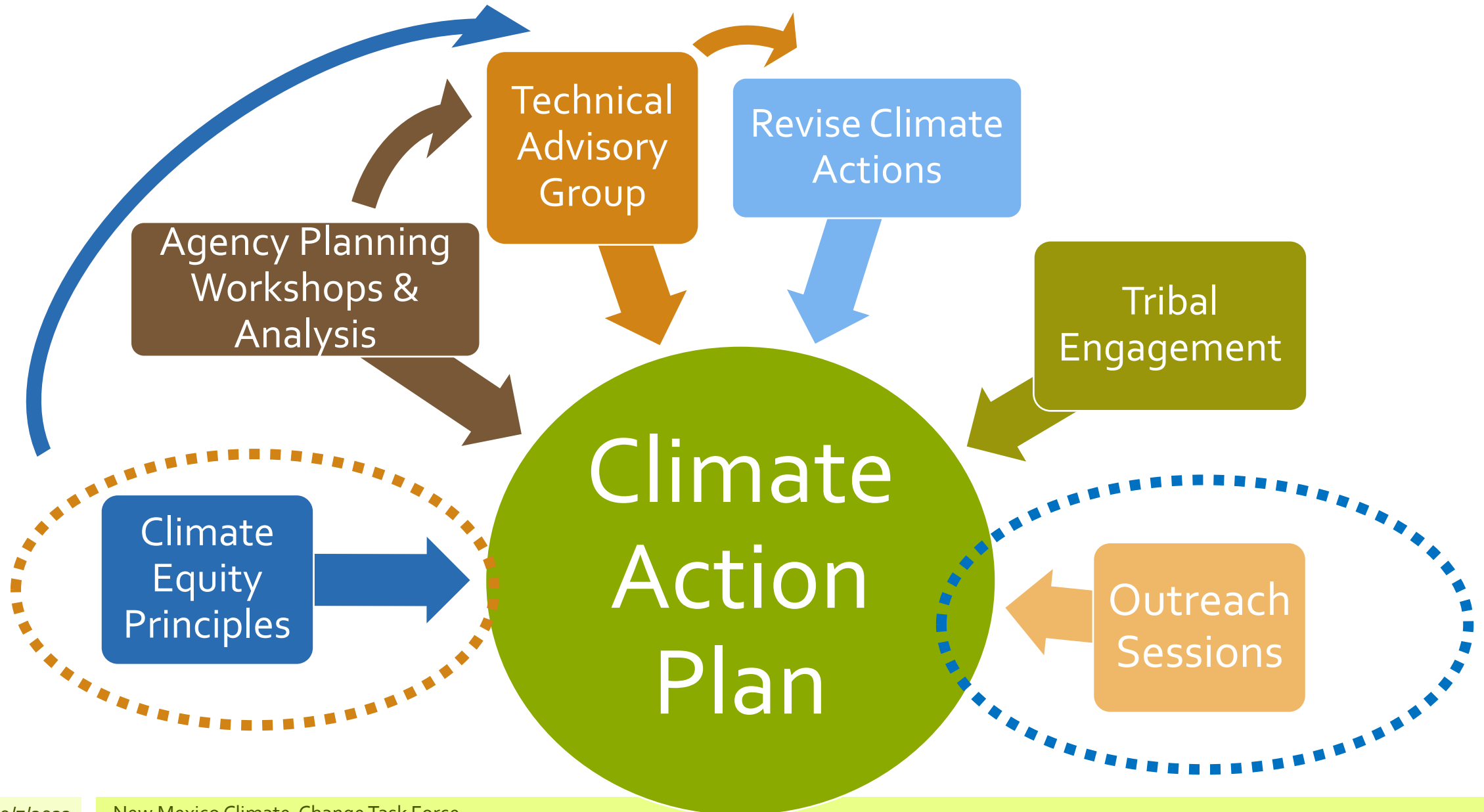


Combined Climate Actions Projected to Reach 2030 Target

Projected 2030 Emission Reductions from Climate Actions



Developing New Mexico's 2023-2027 Climate Action Plan



Possible Transportation-Related Climate Actions





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Thank you!

