ENT DEPE

Interpretation | Interpretación

Computers

- 1. Find the interpretation channel located on the bottom left of your screen (looks like a globe).
- 2. Click on the globe and then select a language channel by clicking on "My Interpretation Language". Select "English" or "Spanish" on the drop-down menu.
- 3. You may move the slider bar in the selection area to adjust the volume of either the Spanish interpreter or the English interpreter.

Cell Phones, Tablets

- 1. In the meeting controls, tap ... "More"
- Select "Language Interpretation." Tap "English"



- Encontrar el canal de interpretación ubicado en la parte inferior izquierda de su pantalla (parece un globo terráqueo).
- Haga clic en el globo terráqueo y después seleccione un canal de idiomas haciendo clic en "Mi idioma de interpretación". Seleccione "Inglés" o "Español" en el menú desplegable.
- Puede mover la barra deslizante en el área de selección para ajustar el volumen del intérprete de español o del intérprete de inglés.

Celular, Tableta (Móvil)

- En los controles de la reunión, haga clic en ...
 <u>"More</u>" (Más)
- Seleccione "Language Interpretation." Haga clic en "Spanish"







New Mexico Climate Action Plan



Sectors: Buildings & Waste and Materials

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June 3, 2025

New Mexico Greenhouse Gas Emissions



- Greenhouse gas emissions inventories provide a science-based best estimate of greenhouse gas emissions for a particular time and place
 - NM's inventory uses NMED-led analysis of oil & gas industry with EPA and EIA data for other industries
 - New Mexico's latest greenhouse gas emissions inventory is for 2021, and it shows that greenhouse gas emissions *decreased* by 14% from 2005 to 2021
 - New Mexico's greenhouse gas emissions inventory also provides *future projections* of the state's emissions
 - To achieve 45% reduction by 2030 (Executive Order 2019-003), additional climate policy measures need to be developed and implemented
 - NM's Climate Action Plan will provide a roadmap for these policies





New Mexico 2021 GHG Emissions



- The four top GHG-emitting sectors in New Mexico are:
 - Oil & gas 42%
 - Transportation 20%
 - Electricity Generation 13%
 - Agriculture 12%
- Collectively, these sectors are responsible for ~87% of NM's GHG emissions
- NM's Climate Action Plan will prioritize emissions reduction potential, cost, and feasibility while also accounting for cobenefits, community priorities, and LIDAC benefits

2021 NM Relative GHG Emissions By Sector

Oil & Gas		Transportation	
	Agriculture	Industrial	Buildings

Climate Action Planning



NM Climate Action Plan





[1] To reduce climate pollution 45% by 2030 (compared to 2005).
 [2] To lead New Mexico to net zero climate pollution by 2050.



PROGRAMS, POLICIES AND PROJECTS THAT FOSTER COMMUNITY HEALTH, WORKFORCE OPPORTUNITIES & ECONOMIC DEVELOPMENT.

DUE DECEMBER 2025



What Will the CAP Give NM?









- 1.) 2023 GHG Inventory
- 2.) GHG Emissions Projections
- 3.) Quantified Emissions Reductions by Measure
- 4.) Community & LIDAC Benefits Analysis
- 5.) Review of Authority and Timeline to Implement
- 6.) Cost Estimates and Funding Options
- 7.) Workforce Planning Analysis
- 8.) Stakeholder and Community Engagement
- 9.) Tribal Government Engagement
- 10.) Plan to Meet New Mexico's Emissions Targets



Climate Action Planning Timeline





December 2025 – July 2027: Status Update Phase



Measure Selection Criteria



Measures will be selected using 5 main criteria.

IMPACT OF CLIMATE POLLUTION REDUCTIONS COST AND AVAILABILITY OF FUNDING

FEASIBILITY OF IMPLEMENTATION

TRANSFORMATIVE IMPACT

COMMUNITY VALUES





Successful climate action planning looks different in different parts of the state. We sought to hear what participants would like it to look like in their community and statewide.













Priorities



Round 1 Engagement



2/20 - Gallup



3/13 – Silver City

4/3 – Statewide Virtual Meeting

2/27 - Hobbs



3/20 – Las Vegas



3/6 - Tucumcari



3/27 - Albuquerque



4/10 – Legislator Briefing





Building Sector Emissions



 Emissions from the building sector primarily come from the on-site use of fossil fuels for heating commercial and residential buildings





Energy Efficiency in New Mexico





New Mexico has adopted the **2021 International Energy Conservation Code**, which addresses energy efficiency and energy usage of buildings. By adopting the 2021 IECC, New Mexico will reduce statewide greenhouse gas emissions by over **20,000 metric tons** in the first year and by **11 million metric tons** over 30 years.



EMNRD's *Energy Conservation and Management Division* offers three grant programs to train workers on the newest building codes, certify contractors for residential energy projects, and conduct energy audits of commercial and residential buildings.



The *Energy Conservation and Management Division* also offers a range of tax incentives and rebates for energy-efficient products, including solar panels, windows & doors, insulation, appliances, and heat pumps. More information can be found at *clean.energy.nm.gov*





GOAL		
Building Energy	STRATEGY	
Efficiency Energy Code	Update building codes to improve energy performance, reduce emissions, and support grid reliability.	 POTENTIAL MEASURES Ensure that New Mexico's building and energy codes are among the nation's leading and will remain so as energy efficiency technologies evolve. EV-Ready Standards for New Buildings: EV-ready infrastructure must be installed during the construction of single-family detached houses, duplexes, townhouses, and multifamily buildings.



Building

Electrification

Proposed Building Sector Measures



GOAL STRATEGY **Building Energy** POTENTIAL MEASURES Efficiency Reduce greenhouse gas emissions by Electrify 1/3 of the space and replacing fossil fuel • water heating in both commercial appliances with electric alternatives. and residential (single & multifamily) buildings, for all New Mexicans by 2035 Establish legislation that requires • an equitable decarbonization of New Mexico's natural gas infrastructure system

 Empower local governments to electrify their buildings, supporting decarbonization and resilience goals like cooling centers





GOAL STRATEGY Building Energy POTENTIAL MEASURES Efficiency Improve energy affordability and reliability in Tribal communities, Ensure that all building-related ٠ especially in remote energy projects are available to areas and easily accessible by Tribal citizens.

Tribal Energy Efficiency





GOAL

Electric Vehicle Supply Equipment (EVSE) Accessibility

Promote transportation equity by ensuring all income levels and housing types can participate in the EV transition

STRATEGY

POTENTIAL MEASURES

 Incentivize EVSE in multifamily housing. Incentives could include density bonuses, expedited or streamlined permitting, tax abatements, or similar mechanisms. Ensure coordination with workforce development.

EVSE Incentive



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GOAL

Building Energy Efficiency

Prepare homes for full weatherization by addressing structural, health, or safety issues that would otherwise disqualify them from weatherization programs.

STRATEGY

Pre-Weatherization

POTENTIAL MEASURES

Pre-weatherization for lowincome New Mexicans scales up an incentive program to preweatherize residential buildings by conducting structural repairs and home health remediation.
This enables previously deferred or ineligible low-income homes to access weatherization, energy efficiency, electrification, and renewables incentives.





GOAL

Building Energy Efficiency

Incentivize the adoption of energyefficient technologies (e.g., HVAC, insulation, doors). Encourage retrofitting and upgrading older buildings.

STRATEGY

Electrification Ready Homes

POTENTIAL MEASURES

Build upon the success of the
Sustainable Building Tax Credit
to ensure that New Mexicans
have access to programs that
facilitate whole-home
electrification. Develop a
targeted incentive program for
low-income & disadvantaged
communities.





GOAL

STRATEGY

Reduce Construction Waste

Reduce construction and demolition waste, preserve embodied energy, and lower the carbon footprint by avoiding new construction

Reuse & Conversion

POTENTIAL MEASURE

Incentivize the reuse and
conversion of whole buildings to
affordable or workforce housing.
The projects funded through this
program will serve as
demonstration projects.
Outcomes from the
demonstration projects will inform
future conversion projects and
help guide state and local policy
that could continue to support
conversions.





GOAL

Building Emissions

STRATEGY

Reduce reliance on fossil-fuel sources of heating, and develop interconnected community-scale geothermal networks

POTENTIAL MEASURES

 Pilot new replicable and scalable models of standalone or interconnected community-scale geothermal networks in the public right-of-way that enable residents and businesses to opt in to connect to a shared geothermal ground loop to heat and cool their buildings.

Geothermal





Energy Codes

Building Electrification

Energy Consumption

EVSE Incentive

Pre-

Weatherization

Electrification Ready Homes

Reuse & Conversion

Geothermal

Waste and Materials Sector



Waste Sector: Emissions



Waste is a small sliver on the inventory shown here, but every action that we take contributes to meeting our emissions reduction goal!

Table 1. New Mexico GHG emissions in MMT CO2e by Sector

Sector	2005	2021
Electricity Generation	16.3	10.3
Transportation	15.9	16.8
Buildings (residential & commercial)	4.1	4.2
Industry (non-combustion incl.)	7.2	5.1
Agriculture	11.2	10.3
Coal Mining	1.7	.9
Waste and Materials	1.3	1.1
Natural & Working Lands	9.6	3
Oil & Gas	38.8	34.4
TOTAL	106.1	86.11





Waste and Materials Proposed Climate Strategies







Reducing Landfill Emissions



When we're talking about decreasing greenhouse gas emissions from waste, what do we mean?





Potential Measures to Reduce Landfill Emissions



GOAL		
Landfill	STRATEGY	
Management	Waste Prevention and Diversion	 POTENTIAL MEASURES Develop a statewide waste
		prevention and recycling standardization toolkit for all waste streams, including domestic, commercial, agricultural, industrial, and construction/demolition waste.
		Waste reduction curriculum in K- 12 schools.
Note: PFAS regulations w potentially impact recycling and compos operations.	rill : ting	Develop Extended Producer Responsibility (EPR) frameworks for products to hold manufacturers and retailers responsible for recycling them at end-of-life.



Potential Measures to Reduce Landfill Emissions



GOAL

Landfill Management

STRATEGY

Organic Waste Prevention and Diversion

Note:

PFAS regulations will potentially impact recycling and composting operations.

POTENTIAL MEASURES

Develop an organic and food waste prevention, composting, and edible food recovery program to prevent food waste, reduce food waste in landfills, and recover edible food for human consumption.

- Promote food donation through offering tax incentives and providing food donation safety guidance. Consider implementing Food Donation Requirements and Mandatory Reporting Laws.
- Encourage organic waste processing infrastructure development at all scales through providing education, resources and funding.



Managing Methane Emissions



When we're talking about managing methane emissions, what do we mean?









Potential Measures to Manage Methane Emissions



GOAL	_		
Landfill and	STRATEGY		
Wastewater	Methane Recovery	POTENTIAL MEASURES	
Management		 Support the development of landfill and wastewater methane recovery projects for recovered 	
		methane procurement	



Potential Measures to Reduce Embodied Carbon of Materials



GOAL			
Materials	STRATEGY	STRATEGY	
	Low-Embodied Carbon	POTENTIAL MEASURES	
	Construction Materials	 Support and provide guidance on the use of low-embodied carbon construction materials. 	





We'd like to hear more from you if you're interested:

NMED & EMNRD joint climate action planning resources: Website: <u>https://www.climateaction.nm.gov/cap/</u> Email: <u>nm.cprg@env.nm.gov</u>