

# OVERVIEW

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# CLIMATE CHANGE IN NEW MEXICO

## WHAT CAUSES CLIMATE CHANGE?

Human activities, such as burning fossil fuels, emit greenhouse gases that warm the planet and drive climate change. New Mexicans feel the effects of climate change every day. Climate change impacts our:

## HOW DOES IT IMPACT OUR COMMUNITIES?



### HEALTH

- Heat illness
- Respiratory illness
- Expanded infectious diseases
- Mental health



### SECURITY

- Wildfires
- Drought
- Floods
- Home insurance availability



### WALLETS

- Higher food prices
- Higher home insurance premiums
- Higher utility bills
- More health care bills



# WHERE DO OUR EMISSIONS COME FROM?

## 2023 GHG Emissions Inventory Results

### WHAT IS A GHG EMISSIONS INVENTORY?

- Greenhouse gas emissions inventories (GHG EIs) provide a best estimate of greenhouse gas emissions for a time and place.
- GHG EIs enable us to evaluate progress toward our climate goals.

### TOP NM GHG EMISSIONS SOURCES



**45%** OIL & GAS INDUSTRY



**23%** TRANSPORTATION

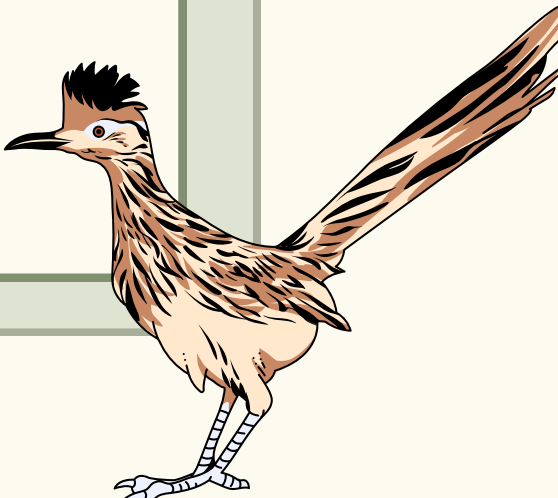
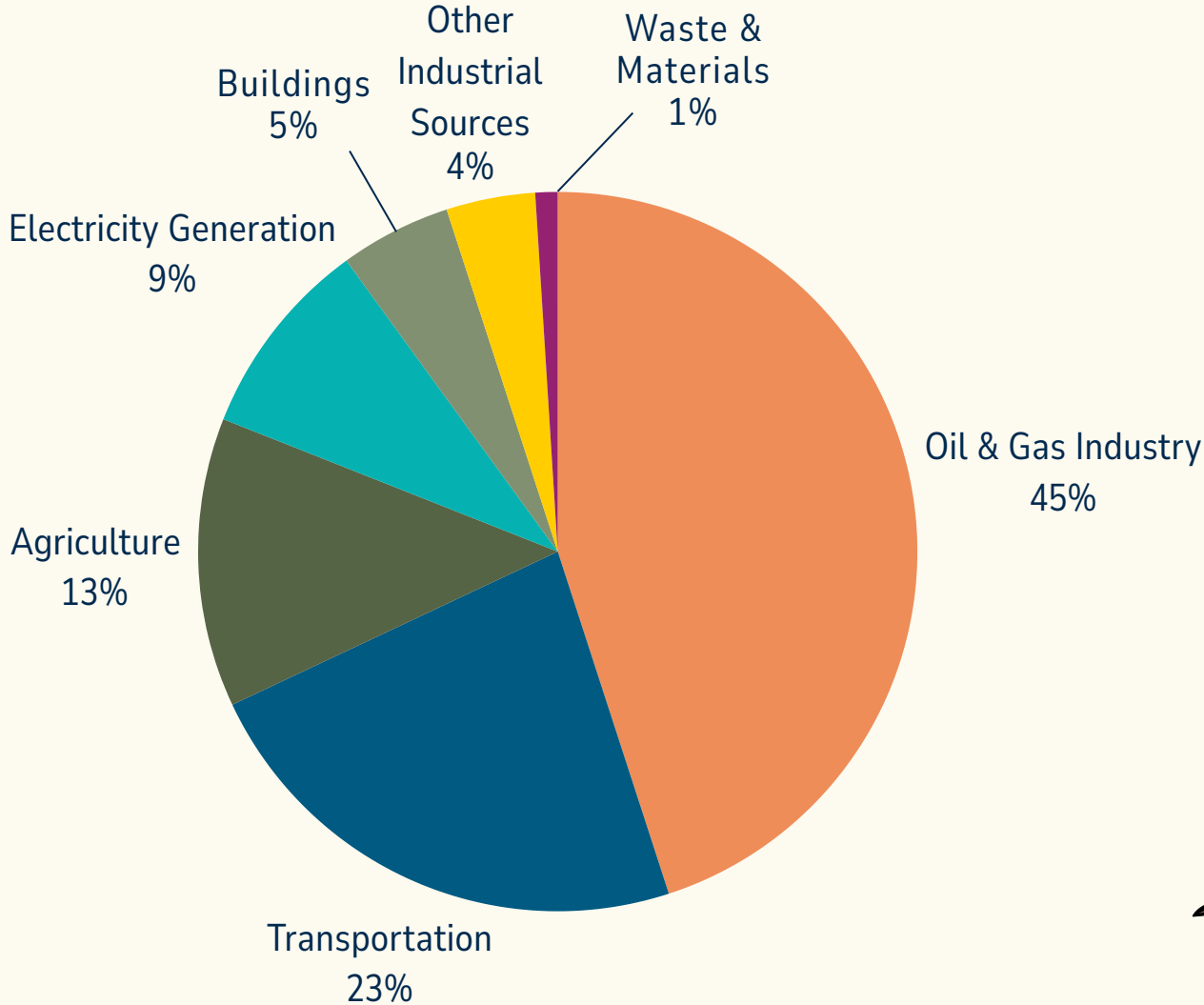


**15%** AGRICULTURE



**9%** ELECTRICITY GENERATION

### 2023 NM GREENHOUSE GAS EMISSIONS BY SECTOR



# OUR PROGRESS

## 2005, 2021, and 2023 GHG Emissions Inventories

### NM GHG Emissions Over Time



#### 2005 - 2021

GHG emissions decreased by 14%.



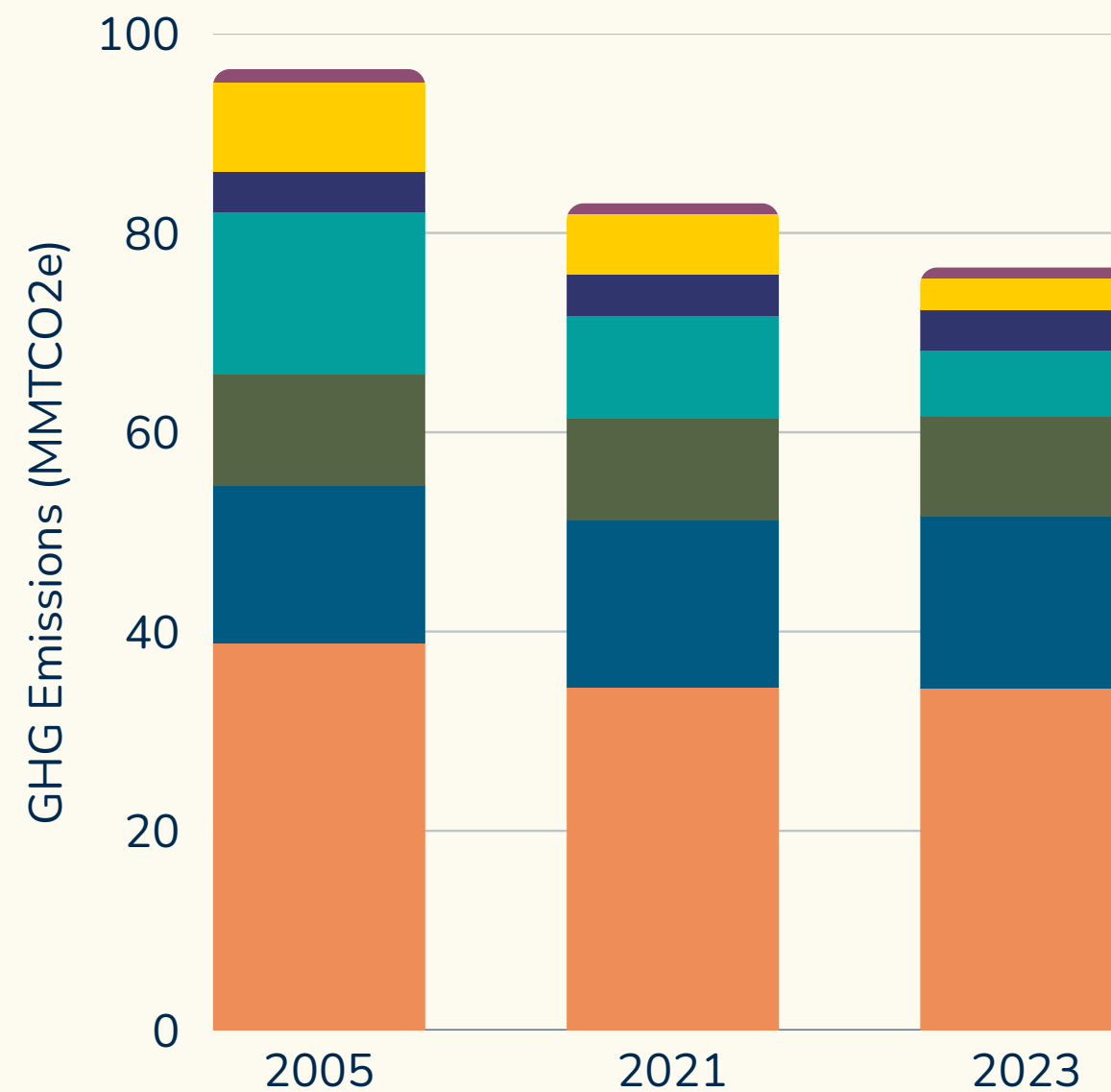
#### 2021 - 2023

GHG emissions further decreased by 8%.

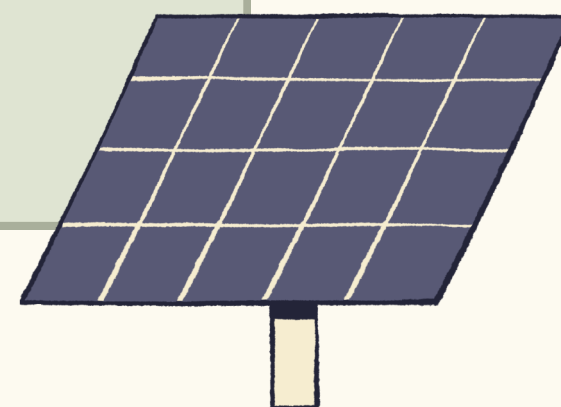


#### Moving Forward

Great progress! Is it enough to reach our emissions reduction targets?



- Oil & Gas Industry
- Transportation
- Agriculture
- Electricity Generation
- Buildings
- Other Industrial Sources
- Waste & Materials



# WHERE ARE WE GOING?

## Targets, Projections, and the NMCAP

### THE GOAL

New Mexico greenhouse gas emissions targets:



**45% by 2030**

Compared to 2005 levels.

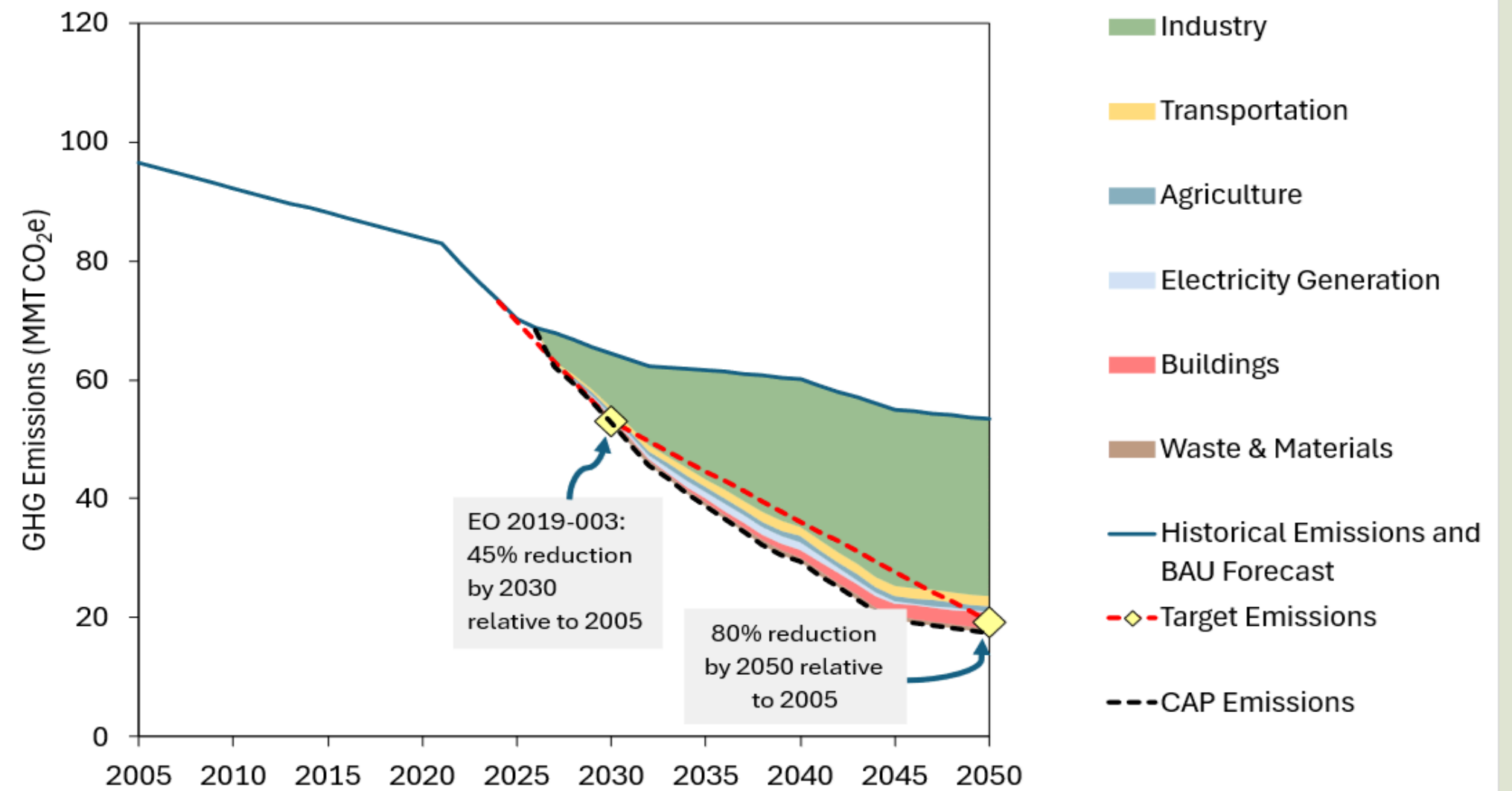


**Net-Zero by 2050**

CAP Target: 80% reduction by 2050 relative to 2005, with no more than 20% reliance on carbon offsets

### THE PLAN

NM GHG Emissions and Projected Reductions by Sector Relative to BAU



# NMCAP DEVELOPMENT PROCESS

The development of the CAP was guided by two key methodologies: **scientific research** and **iterative, community-responsive engagement**.

## MEASURE SELECTION CRITERIA



**FEASIBILITY OF IMPLEMENTATION**



**COST AND AVAILABILITY OF FUNDING**



**IMPACT OF CLIMATE POLLUTION REDUCTIONS**



**TRANSFORMATIVE IMPACT**



**COMMUNITY VALUES**

## COORDINATION + OUTREACH



### COMMUNITIES

12 public meetings:

- 7 in-person statewide meetings
- 5 virtual sector-based meetings



### STATE GOVERNMENT

Climate Action Teams, Climate Change Task Force workshop, legislator briefing, 1-on-1 meetings



### TRIBAL GOVERNMENTS

Inter-Tribal Resource Advisory Council meetings, CPRG-recipient monthly calls, 1-on-1 meetings



### MUNICIPALITIES

Meetings with interested cities, counties, councils of government, economic development boards



### WORKFORCE STAKEHOLDERS

Universities, Community Colleges, Labor Unions, Training Entities, Businesses

# ANATOMY OF A MEASURE



## WHAT'S INVOLVED AND HOW DO WE GET STARTED?

- Measure Title + Description

- Implementation Authority + Responsibilities
- Implementation Timeline + Milestones
- Metrics for Tracking Progress



Where lead agencies step in and take ownership.

- Quantified Emissions Reductions
- Measure Costs

- Intersection with Other Funding Availability



How do we fill the gaps?

- Benefits (Economic, Environmental, Public Health)
- Low-Income and Disadvantaged Communities (LIDAC) Analysis (Benefits + Disbenefits)

# RESULTS THAT MATTER

When fully implemented, the NMCAP will:



Prevent **\$294 billion** in health care costs, property damage, and other air and climate impacts caused by pollutants.



Create opportunities that are good for workers, good for families, and good for paychecks.

Reduce greenhouse gas emissions:



**11.7**  
MMTCO<sub>2</sub>e  
BY 2030



**36.2**  
MMTCO<sub>2</sub>e  
BY 2050

MMTCO<sub>2</sub>e = million metric tons of carbon dioxide equivalent

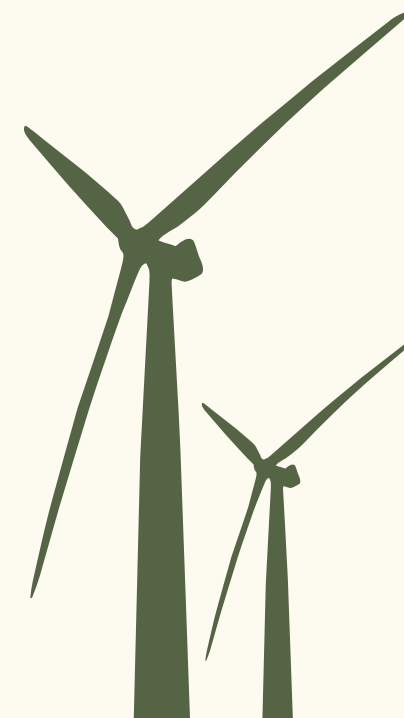
Combined with current policy, the NMCAP puts us on track to meet our targets:



45.4% REDUCTION IN EMISSIONS BY 2030 FROM 2005 LEVELS



82.2% REDUCTION BY 2050, WITH CARBON OFFSETS USED TO ACHIEVE NET-ZERO.



# CLIMATE PROGRESS IS COMMUNITY PROGRESS

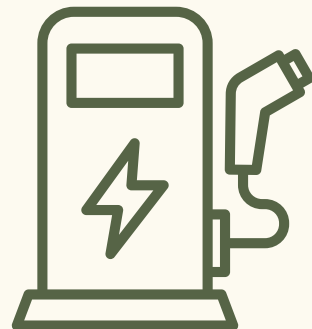
## HOW WILL THE PLAN BENEFIT MY COMMUNITY?

### INDUSTRY

- Improve air quality and visibility through cleaner oil & gas production practices.
- Increase revenue and productivity by keeping methane in the pipeline.
- Create cutting edge jobs in New Mexico communities.



### TRANSPORTATION



- Expand electric vehicle tax credits and rebates for improved affordability.
- Expand safe, healthy, and effective transit, walking, and biking options.
- Deliver cleaner air with less vehicle exhaust.

### AGRICULTURE, FORESTS, & WILDERNESS

- Protect natural resources and reduce wildfire risk.
- Incentivize smart land use practices.
- Increase local food systems and food sovereignty.



# CLIMATE PROGRESS IS COMMUNITY PROGRESS

## HOW WILL THE PLAN BENEFIT MY COMMUNITY?

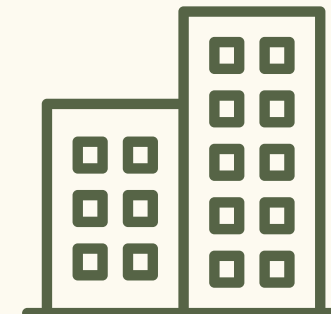


### ELECTRICITY

- Diversify electricity generation to ensure energy security.
- Expand community clean energy access via financing, grants, and rebates.
- Lower utility costs through grid independence and sell-back incentives.

### BUILDINGS

- Reduce building costs through efficiency and electric vehicle charging integration.
- Improve indoor air quality through electric appliance incentives.
- Lower utility bills using weatherization rebates and tax credits.

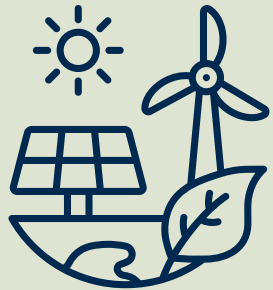


### WASTE AND MATERIALS

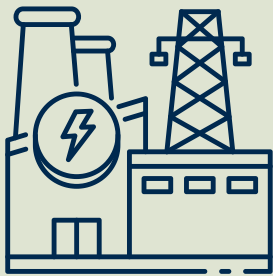
- Recover and redirect precious resources through landfill diversion.
- Increase food access through self-reliance and mutual aid.
- Recover methane from waste for potential clean fuel credit opportunities.

# NEW MEXICO CAN DO THIS!

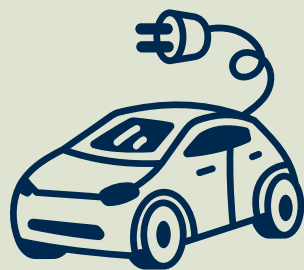
## BEYOND PLANS, INTO ACTION



NUMBER ONE IN THE NATION: OUR CLEAN ENERGY ADVANTAGE



OUR STATE'S ENERGY TRANSITION ACT BROUGHT IN  
\$10 BILLION IN PRIVATE INVESTMENT



CLEAN TRANSPORTATION FOR A CLEANER NEW MEXICO

# NEXT STEPS

## BEYOND PLANS, INTO ACTION



NMED AND EMNRD MEASURE PRIORITIZATION AND IMPLEMENTATION



EXTERNAL AGENCY COORDINATION AND IMPLEMENTATION TRACKING



STATUS UPDATE REPORT

# HOW TO GET INVOLVED

WE CAN'T DO THIS WITHOUT YOU!



STAY INFORMED



INVITE US TO YOUR NEXT EVENT



ADVOCATE FOR THE FUTURE YOU WANT TO SEE



[nm.cprg@env.nm.gov](mailto:nm.cprg@env.nm.gov)



[www.climateaction.nm.gov/CAP](http://www.climateaction.nm.gov/CAP)



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