

Electric Vehicle Charging in New Mexico

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wra Western
Resource
Advocates®

About Western Resource Advocates

We're tackling the largest sources of carbon pollution, improving air quality for nature and people, protecting and restoring our rivers and water supply, and connecting the West's unparalleled landscapes.



Our Work

WRA fights climate change and its impacts to sustain the environment, economy, and people of the West.



Our Approach

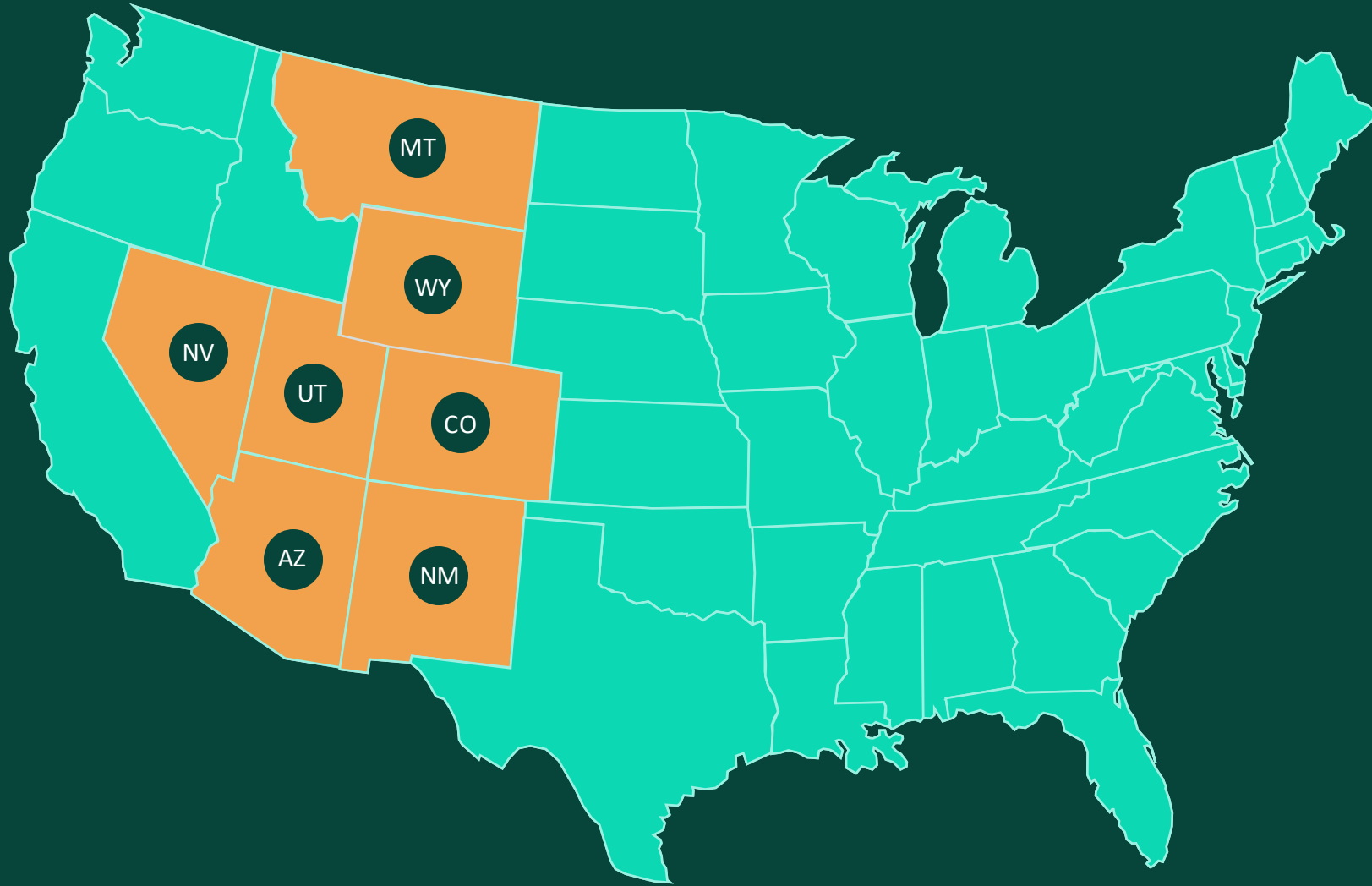
Working where decisions are made, sweating the details, and creating evidence-based solutions.



Our Strength

We create transformational change by driving action at the state level and achieve measurable results.





Where We Work

- Federal & Regional Collaboration
- State Legislatures
- State Agencies & Commissions
- Local Governments
- Electric Utilities
- Diverse Coalitions & Communities

WRA works across seven states in the **Interior West** to **protect our climate, land, air, and water.**



Agenda

Definitions

Charging 101

Federal Policy

State Policy

Looking Forward

Acronym Guide

EV – electric vehicle

BEV – battery electric vehicle

PHEV – plug-in hybrid electric vehicle

DCFC – direct current fast charging

L1 – Level 1

L2 – Level 2

kWh – kilowatt hour

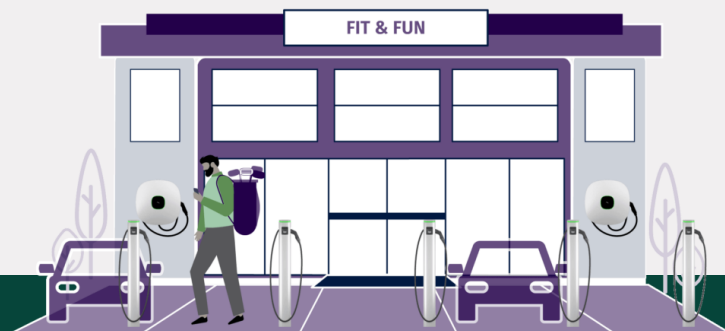
kW – kilowatt



EV Charging Methods



EV charging isn't identical to the gas station model – there are many different places to charge





Charging Speeds

Level 1 – plug into a regular 120 volt outlet, delivers 3-5 miles per hour

Level 2 – plug into a 240 volt outlet (dryer plug), usually 7-20 kW, delivers 15-50 miles per hour

Level 3 – 480+ volts, 50-350 kW

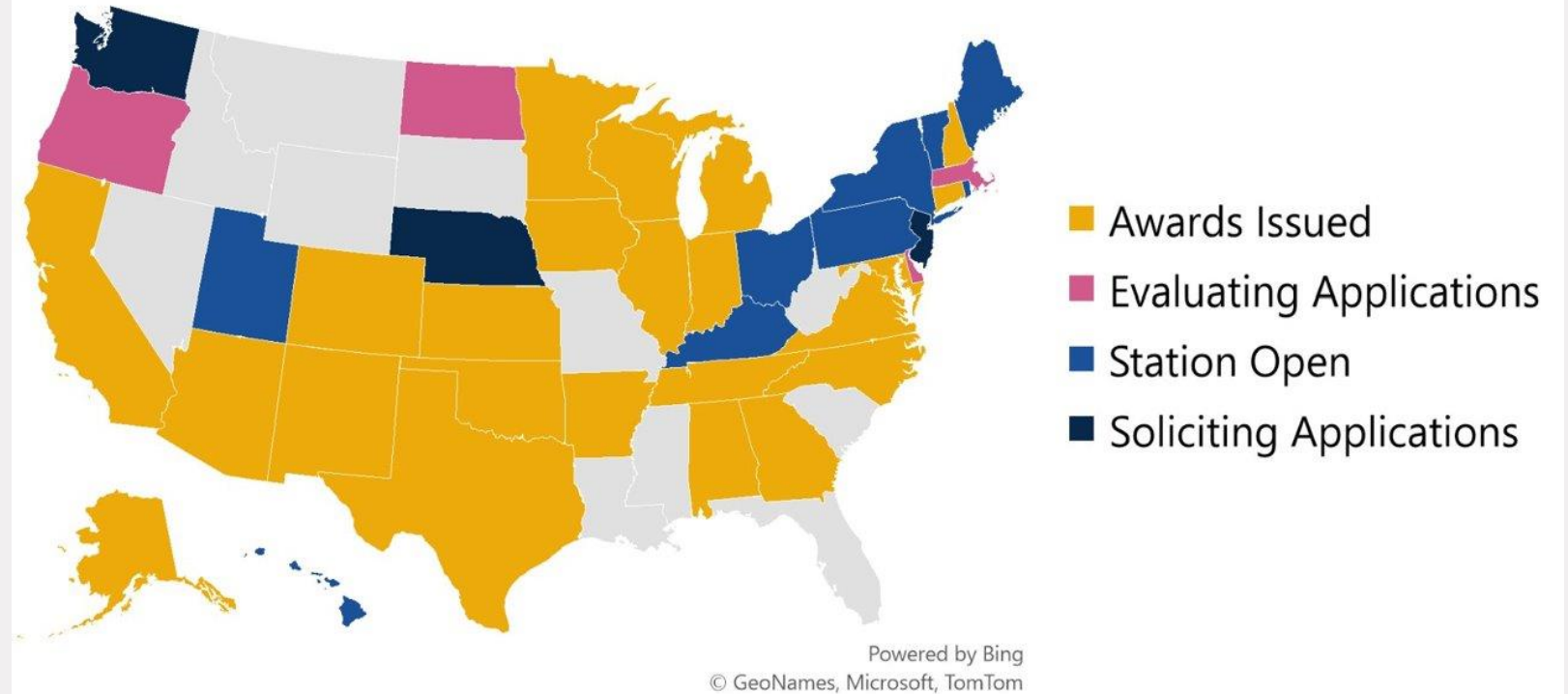
Charging speed varies based on vehicle capacity and charger capacity

- 50kW – up to 90 miles on a 30-minute charge
- 150kW– up to 200 miles on a 30-minute charge
- 350kW – over 200 miles in just 20 minutes (although few cars are capable of this yet)

National Electric Vehicle Infrastructure Program

- New Mexico allocated 38.4 million dollars
- Minimum of four 150kW chargers with 24/7/365 public access
- Privately owned stations with reliability requirements
- Up to 80% federal funding, minimum private contribution of 20% of total cost
- Must be located every 50 miles within one mile of designated route (exceptions can be made)

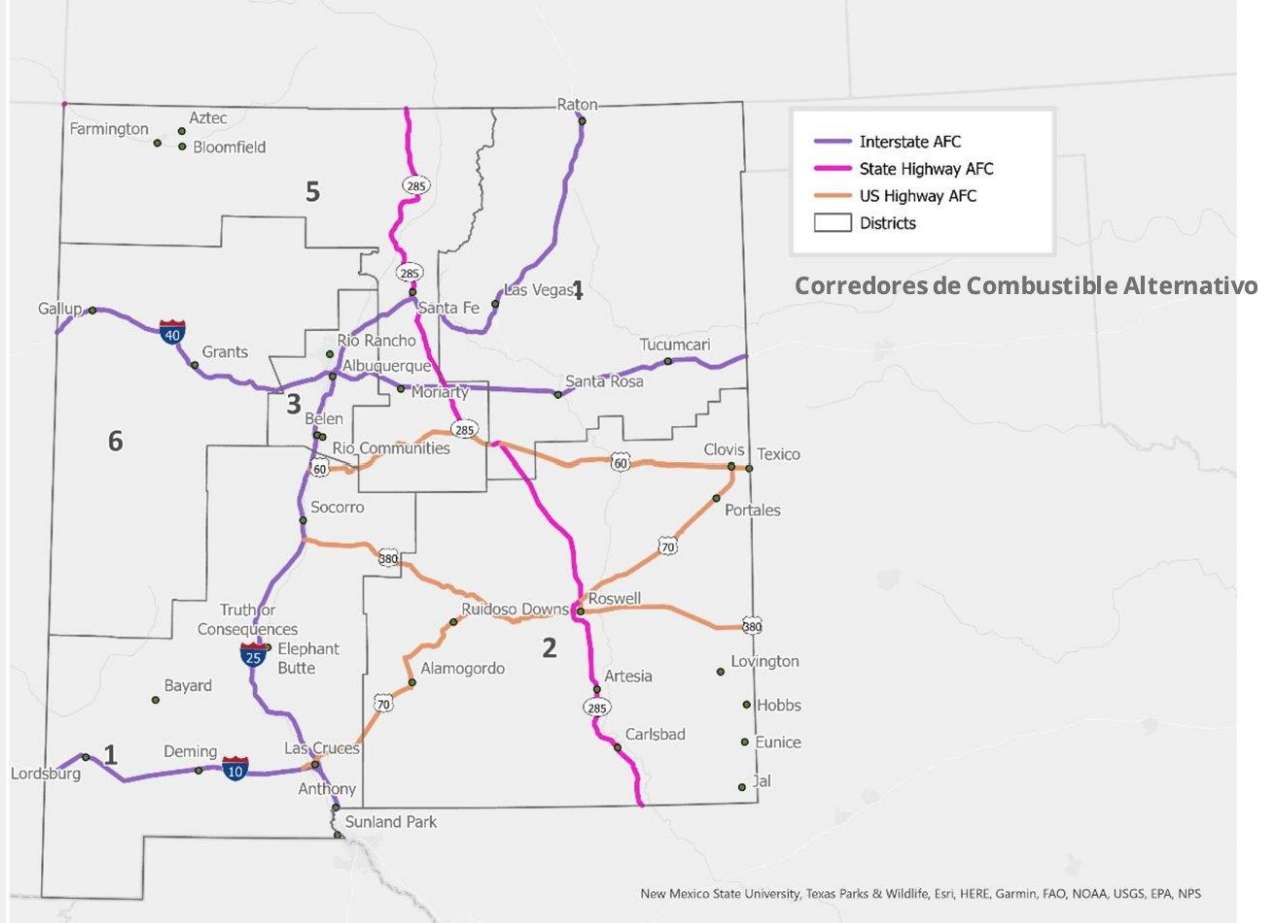
NEVI Grant Status



National Electric Vehicle Infrastructure Program

Progress

New Mexico awarded 11.9 million dollars to build



Grantee	NEVI Awarded Applications				
	Interstate	# of Locations	# Chargers	Locations	City
EvGateway	I-25	1	6	Dick's Sporting Goods 200 N. Telshor Blvd.	Las Cruces
Francis Energy	I-25 Exit 451	4	2	Arby's #5776 415 Clayton Rd.	Raton
	I-25 Exit 147		2	Arby's #5152 1010 S Hwy 85	Socorro
	I-25 at Exit		2	Los Lunas Pavilions Shopping Center	Los Lunas
	I-25 Exit 79		2	Comfort Inn & Suites 2205 N. Date St.	Truth or Consequence
Pilot	I-40 - Exit 39	2	2	Flying J #305 1 Giant Crossing	Jamestown
	I-40 - Exit 196		2	Pilot Travel Center #475 305 W. Abrahames Rd.	Moriarty
Red E Charging LLC	I-25 Exit 276	5	4	Allsups off I-25 2 Vista Del Monte	Santa Fe
	I-40 Exit 155		4	Fast Market #4619 2721 Coors Blvd. NW	Albuquerque
	I-40 Exit 85		4	Allsups 103 W. Santa Fe Ave.	Grants
	I-25 Exit 426		4	Maxwell Station 215 3rd. St.	Maxwell
	I-25 Exit 345		4	Allsups 712 S Camino Del	Bernalillo
SkyChargers LLC	I-10	1	4	Bowlin Travel Centers 21535 Frontage Rd. SE	Deming
Tesla, Inc.	I-10 Exit 22	7	7	Circle K, Inc. 1316 Main Street	Lordsburg
	I-40 Exit 234		10	Bowlin's Flying C Ranch	Encino
	I-40 Exit 20		5	Gallup Capital, LLC 700 US-491	Gallup
	I-25 Exit 387		5	LJM's Travel Center LLC 504	Wagon Mound
	I-25 Exit 347		5	Comfort Inn 2500 N. Grand Ave.	Las Vegas
	I-40 Exit 277		5	Holiday Inn Express 2516 US Rt. 66	Santa Rosa
	I-40 Exit 332		5	Holiday Inn Express 2624 S Adams St.	Tucumcari
Total					



Other Federal Programs

- 30C tax credit provides 30% of infrastructure cost for certain areas
 - o Up to \$1,000 for homes, up to \$100,000 for commercial
- Competitive federal grant program for installing EV charging in communities and along travel corridors, many rounds of funding

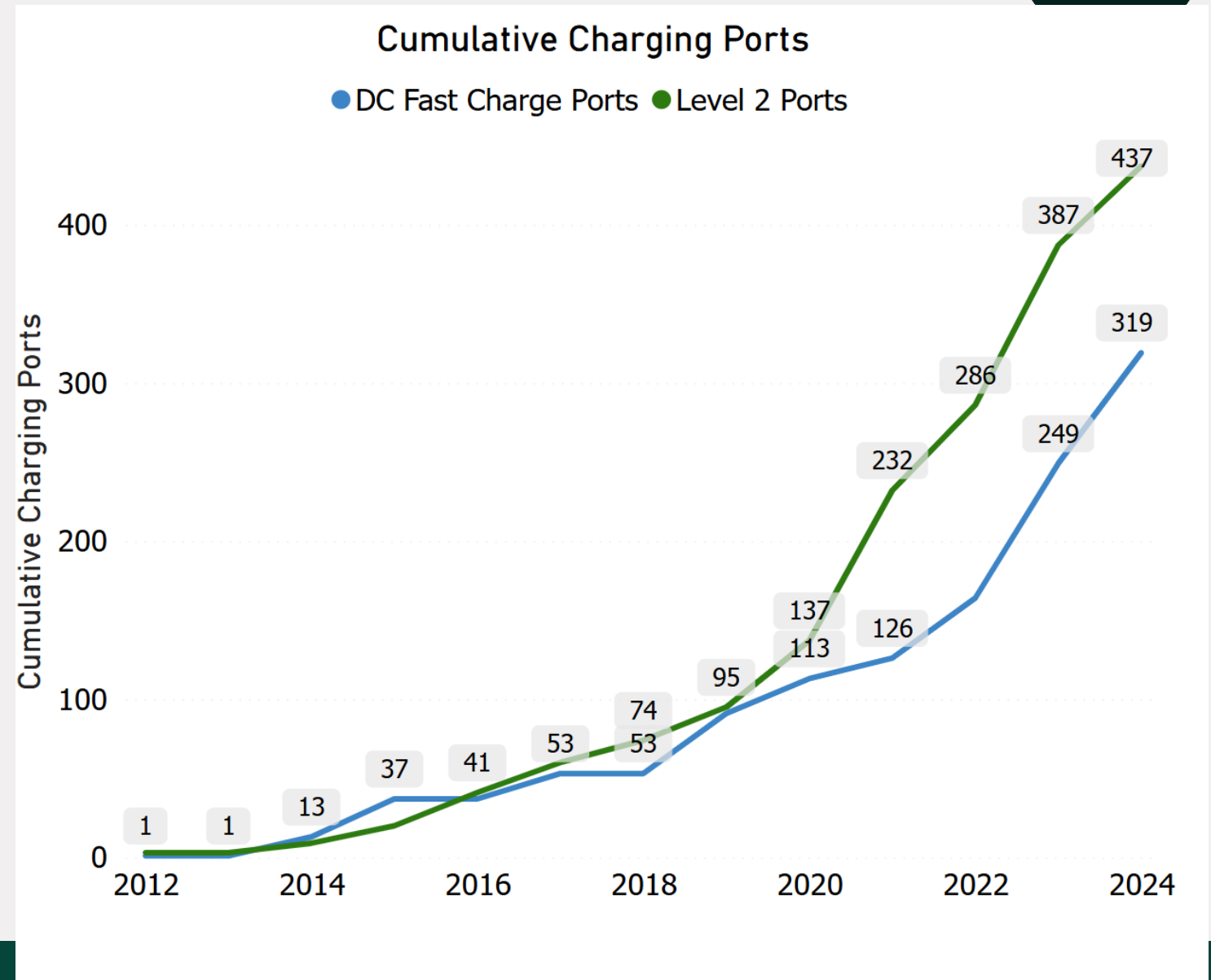
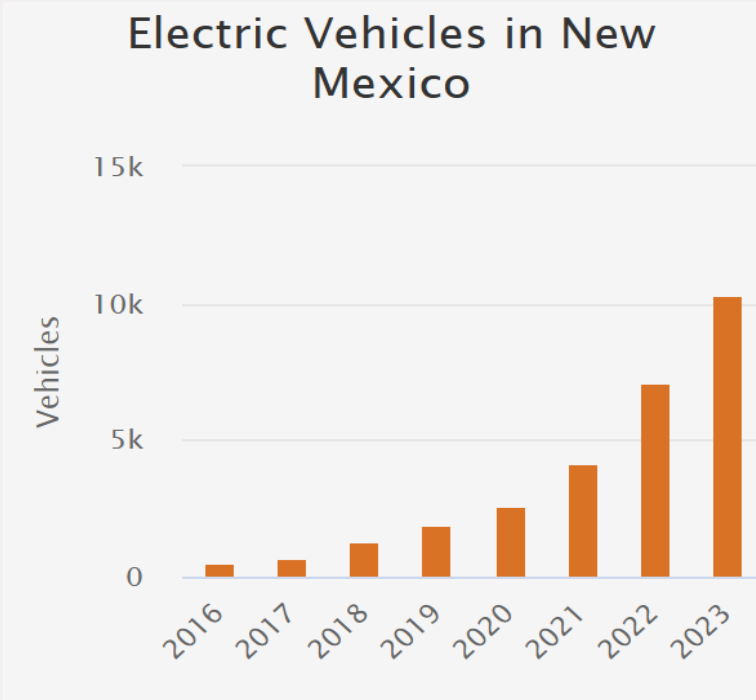
NM	Santa Fe County Community EV Charging Project	County of Santa Fe	Countywide	Community	The County of Santa Fe will receive \$3.3 million to build an EV charging network of 33 fast chargers and Level 2 charging stations at 13 sites that include underserved communities, multi-family affordable housing and county transportation hubs.	\$3,371,200
NM	The Town of Taos - Fostering the expansion of electric vehicle charging to help grow an environmentally responsible community.	Town of Taos	Town of Taos	Community	The Town of Taos will receive \$500,000 to install the first six publicly available fast EV chargers in the parking lots of three community buildings. One of the locations is the Taos Visitor Center which serves the Taos Pueblo, designated as a World Heritage Site by UNESCO and a National Historic Landmark.	\$500,000



State Policies

- EV charger tax credits, refundable and transferable
 - o \$25,000 for Level 3 charger
 - o \$400 for Level 2 charger
- Utility Transportation Electrification Plans
 - o Cover segments including multifamily, workplace, public, residential and have tailored offerings

Looking Forward



Metric		2030	2040
In-Use Charge Ports	Home L1	1,719	24,350
	Home L2	61,733	874,385
	Public L2	352	4,986
	Public DCFC	222	3,144

Questions?



Thank You!



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WEBSITE: [WESTERNRESOURCEADVOCATES.ORG](https://www.westernresourceadvocates.org)