

ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

Transportation Infrastructure Revenue Subcommittee
September 29th, 2023

Office of Special Projects

Jerry P. Valdez
Executive Director

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Electric Vehicle Infrastructure Funding



- 2021 Regular Session
 - \$1.2M appropriation (transfer)
- 2021 Special Session
 - \$10M ARPA programmed by Governor/Legislature
- 2022 Session
 - \$387K appropriation (transfer)
- Bipartisan Infrastructure Law (BIL)
 - \$38.387M in formulaic funding is apportioned to New Mexico under the new National Electric Vehicle Infrastructure (NEVI) Formula program
 - \$2.5 billion in competitive grant funding is made available over five years to award eligible entities funding for Charging and Fueling Infrastructure (CFI) Discretionary Grant Program for Community and Corridor Grant Program

Key Targets



Public
Engagement

Condition
Analysis

Designated
Alternative
Fuel
Corridors

Equity
Considerations
Rural/Justice
40

NMDOT

Current Projects

ARPA & CAPITAL OUTLAY

NMDOT



NMDOT Districts including
General Office
(6 Projects/24 Charging
stations)



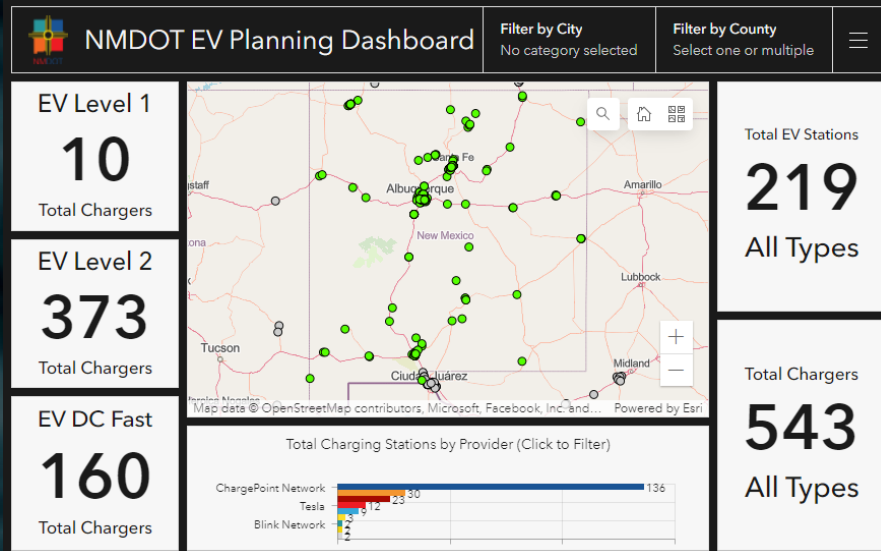
Level Three Direct Current
Electric Vehicle Charging
Station Grant Program
(30 Locations/60 Charging
stations)



Public Partnerships with
Des Moines, Picuris Pueblo,
Socorro, Dona Ana (Las
Cruces, Hatch, Anthony)
(6 Locations/ 10 charging
stations)

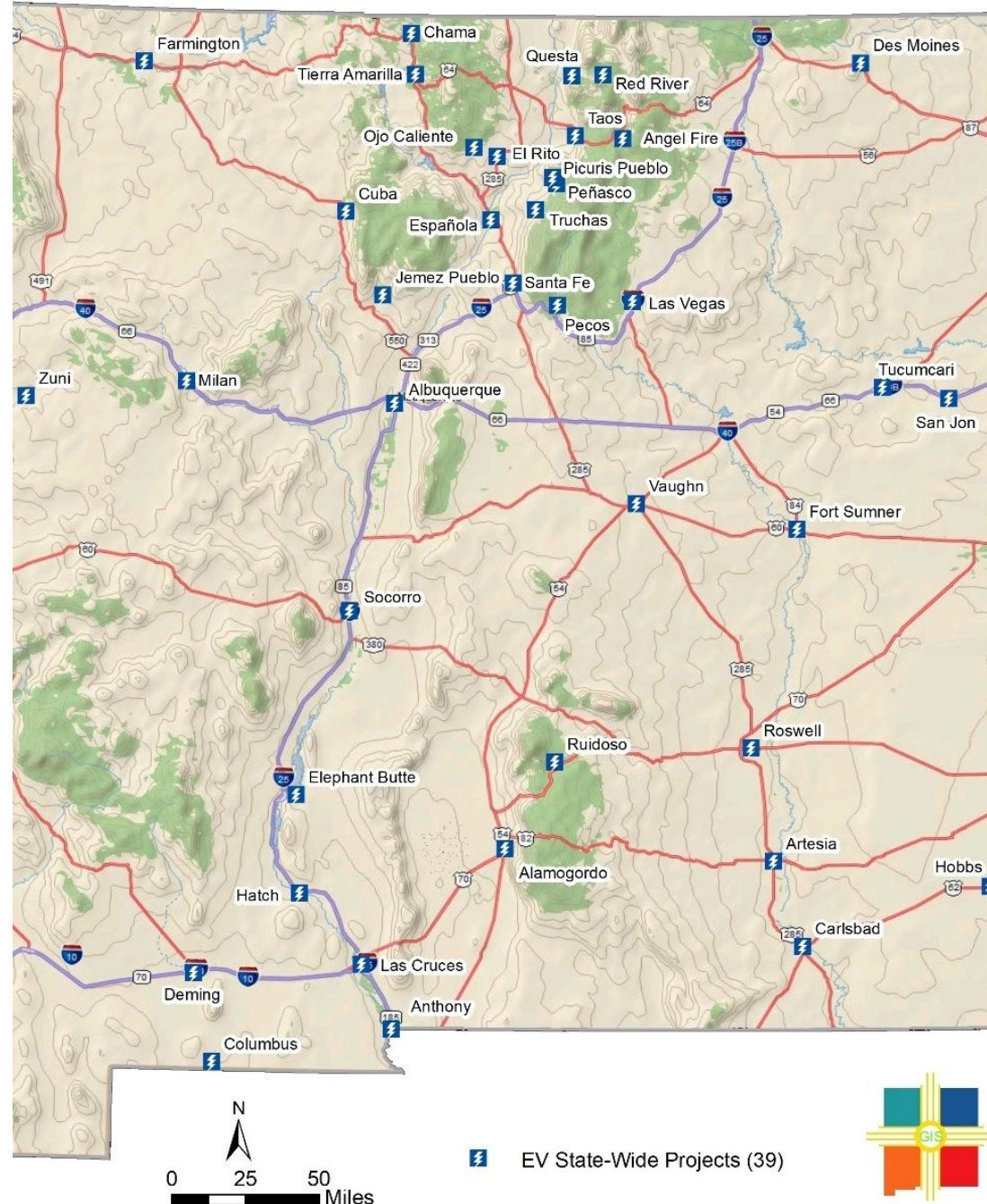


EV State-Wide Projects



<https://nmdot.maps.arcgis.com/apps/dashboards/ac19013bc5b44bc99d3a8f73e3c84019>

EV State-Wide Projects; ARPA/CAPITAL OUTLAY



NMDOT



2912 E. Pine St., Deming, NM

28 B D Industrial Drive, Las Vegas, NM

4505 W. Second Street, Roswell, NM

7500 Pan American Fwy., Albuquerque, NM

1919 Pinon Drive, Milan, NM

1120 Cerrillos Rd, Santa Fe, NM

Historic Plaza, City of Socorro, NM

Des Moines Village Complex, Des Moines, NM

Picuris Travel Center, Picuris Pueblo, NM

Dona Ana Gov Complex, Las Cruces, NM

Hatch Village Hall, Hatch, NM

Anthony Main St., Anthony, NM

District & GO Projects

Public Partnership

12 S. Main St., Pecos, NM

1254 NM-53, Zuni, NM

17342 US-84, Tierra Amarilla, NM

3401 30th St. Suite B, Farmington, NM

500 South Terrace Ave., Chama, NM

60 County Rd. 75, Truchas, NM

7413 Hwy. 4, Jemez Pueblo, NM

#71 Hwy 126, Cuba, NM

5500 N. Main Street, Roswell, NM

4412 National Parks, Carlsbad, NM

106 Rock Canyon Rd., Elephant Butte, NM

160 8th Street, Vaughn, NM

1600 N. 1st Street, Artesia, NM

2301 S. 1st Street, Tucumcari, NM

203 Missouri St., Columbus, NM

LEVEL III GRANT PROGRAM

2369 NM-469, San Jon, NM

2515 W. 2nd Street, Roswell, NM

26195 US-70, Ruidoso, NM

327 Sumner Ave., Ft. Sumner, NM

2810 N. Lovington Hwy., Hobbs, NM

6 Sierra Rd., Des Moines, NM

820 US 70 W., Alamogordo, NM

10 Miller Ln., Angel Fire, NM

101 W. River St., Red River, NM

1190 NM 554, El Rito, NM

201 A Pueblo View Rd., Peñasco, NM

2500 Old State Rd. 3, Questa, NM

50 Los Banos Drive, Ojo Caliente, NM

N Plaza, Taos, NM

618 Riverside Dr., Espanola, NM

LEVEL III GRANT PROGRAM

National Electric Vehicle Infrastructure Formula Program



The New Mexico Department of Transportation (NMDOT) received \$38 million in NEVI Formula funding for the years 2022 through 2026.

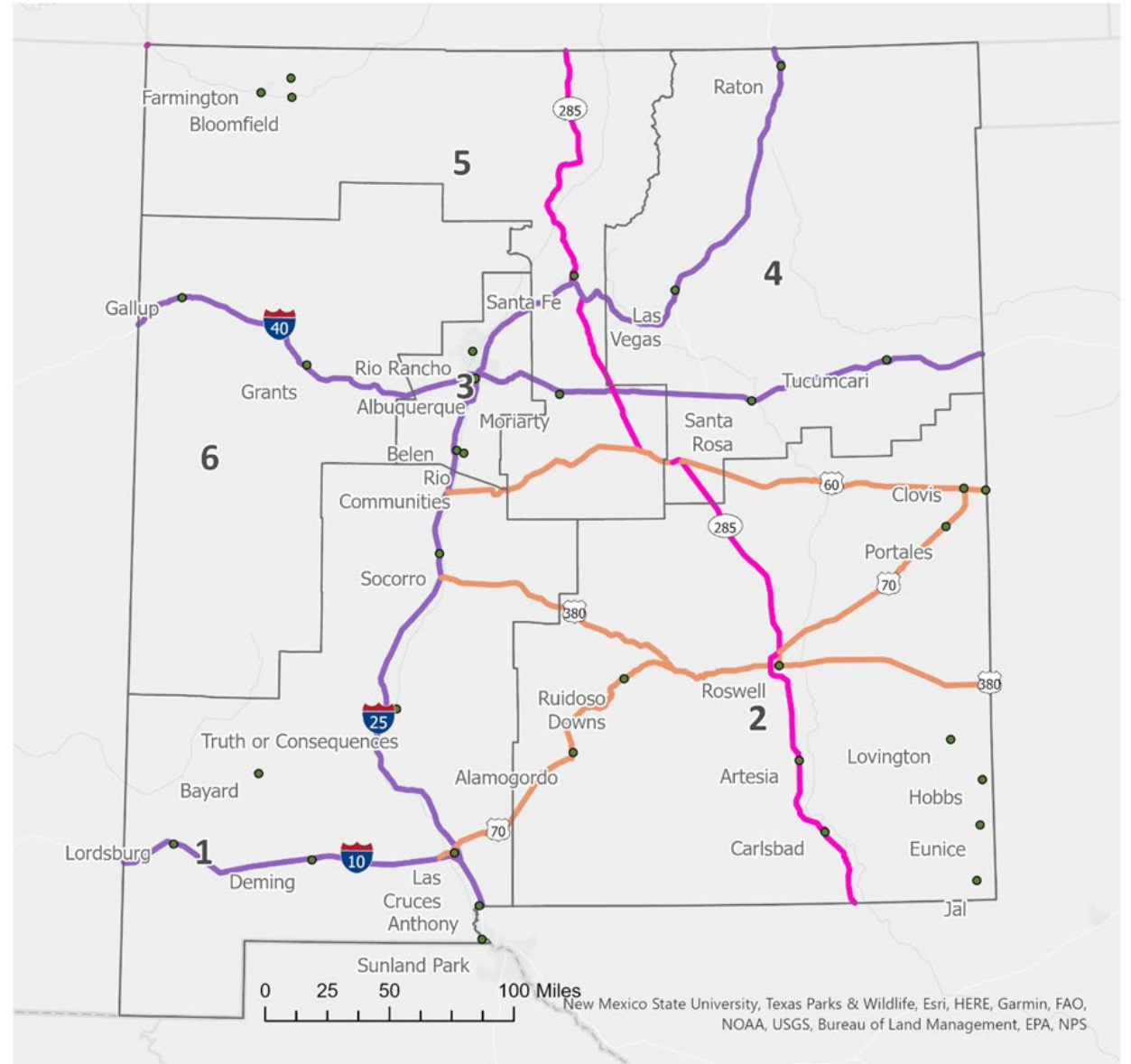
These funds will be used for the expansion of a national EV charging infrastructure network on the State of New Mexico's primary interstates and Alternative Fuel Corridors (AFCs) as described in the State of New Mexico EV Infrastructure Deployment Plan (The NEVI Plan). The AFCs provide for travel within, to and throughout the State of New Mexico; including Interstate 25 (I-25); Interstate 40 (I-40); and Interstate 10 (I-10). The other AFCs cover other essential areas of the State of New Mexico, providing enhanced connectivity to rural areas. In Rounds 1-6 of the AFC designation process, New Mexico designated eight AFCs including the state's three Interstates: I-10, I-40, and I-25; and five additional US highways: US-60, US-70, US-160, US-285, and US-380 totaling almost 2,200 center lane miles.

Bipartisan Infrastructure Law (BIL) provides New Mexico \$38.387M under the National Electric Vehicle Infrastructure (NEVI) Formula program:

- FY 2022	\$5,681,414
- FY 2023	\$8,176,429
- FY 2024	\$8,176,486
- FY 2025	\$8,176,493
- FY 2026	\$8,176,510



Alternative Fuel Corridors (AFC)



NEVI Formula Program- Build Out Certification

Minimum Standards 23 CFR 680 Details:

<https://www.federalregister.gov/documents/2023/02/28/2023-03500/national-electric-vehicle-infrastructure-standards-and-requirements>

- 23 CFR 680.104: Definitions
- 23 CFR 106(b): Number of Charging Ports
- 23 CFR 680.106(c): Connector Type
- 23 CFR 680.106(d): Power Level
- 23 CFR 680.106(e): Availability
- 23 CFR 680.106(f): Payment Methods
- 23 CFR 680.106(g): Equipment Certification
- 23 CFR 680.106(h): Security
- 23 CFR 680.106(i): Long-Term Stewardship
- 23 CFR 680.106(k): Customer Service
- 23 CFR 680.106(l): Customer Data Privacy
- 23 CFR 680.108: Interoperability of electric vehicle charging infrastructure
- 23 CFR 680.110: Traffic control devices or on-premises signs acquired, installed, or operated
- 23 CFR 680.114: Charging network connectivity of electric vehicle charging infrastructure
- 23 CFR 680.116: Information on publicly available electric vehicle charging infrastructure locations, pricing, real time availability, and accessibility through mapping

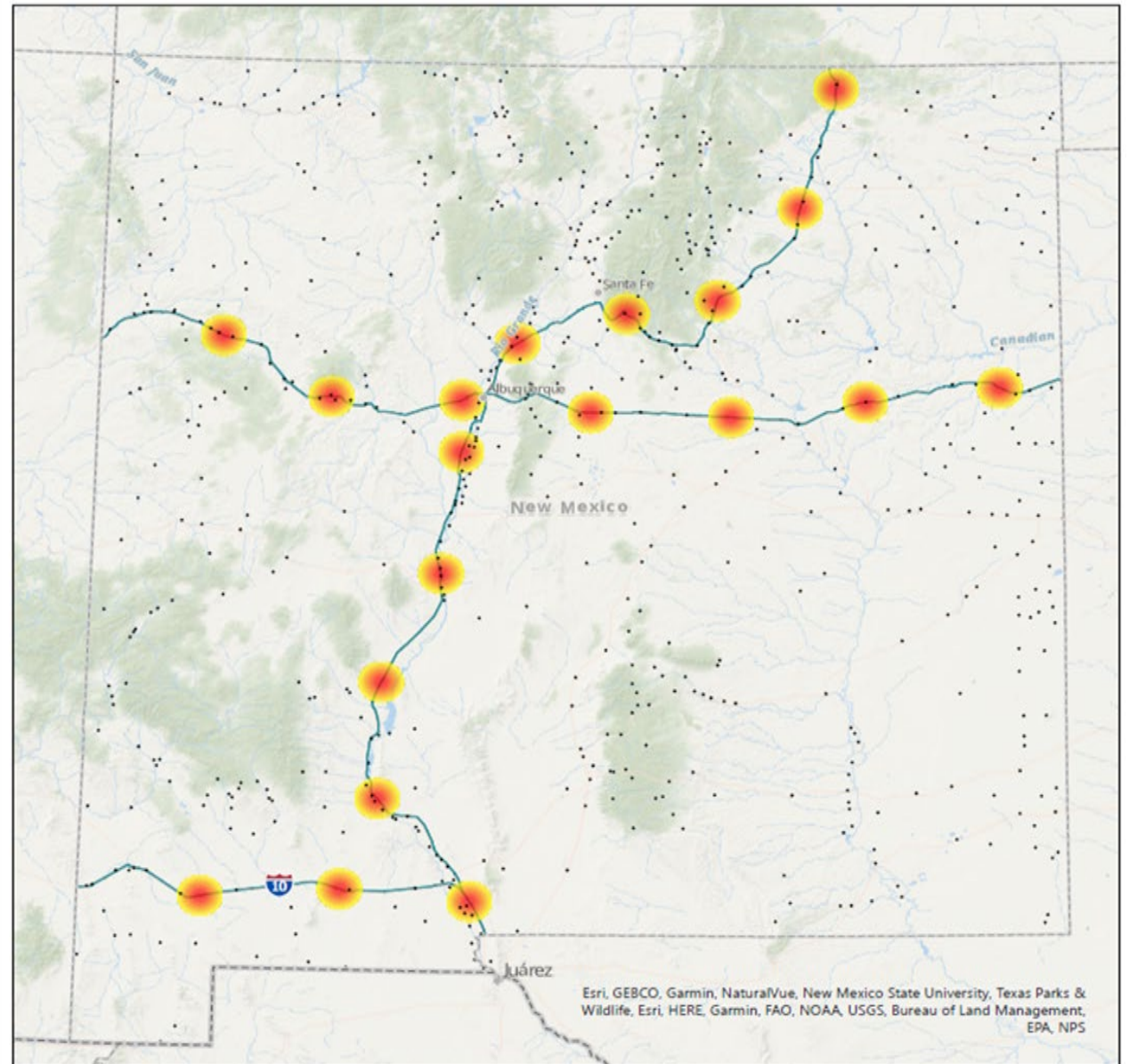
NEVI Phase I

I-25, I-10, I-40

FY 22 & FY 23



Interstates with 50 Mile Increment Markers



Esri, GEBCO, Garmin, NaturalVue, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS



50

Miles

Charging and Fueling Infrastructure (CFI) Grant Program

-The CFI Program was established by the Bipartisan Infrastructure Law (BIL), authorized funding for FY22 through FY26 for this program totals \$2.5B.

-Program Goals:

- Supplement, not supplant, necessary private sector investment
- Complement existing Federal programs
- Facilitate broad public access to a national infrastructure network to accelerate adoption of zero emission vehicles
- Implement Justice40 objectives, lower transportation costs, and increase economic opportunity
- Advance job quality, workforce development, and workforce equity
- Reduce greenhouse gas and vehicle-related emissions

Charging and Fueling Infrastructure (CFI) Applications

- The CFI Program made \$700 million available during first round of Funding Opportunity for Fiscal Years 2022 & 2023. Bipartisan Infrastructure Law (BIL) established two distinct funding categories within CFI: Community Grants and Corridor Grants

-The Department of Transportation (NMDOT), in partnership with multiple municipalities, counties and private sector partners, submitted Charging and Fueling Infrastructure (CFI) grants to support the implementation of electric vehicle (EV) charging infrastructure around New Mexico valued at \$159,619,756 in potential awards. This includes 68 locations with multiple stations.

-A \$114M corridor application was submitted by NMDOT for two Heavy-Vehicle Commercial EV Charging Centers along I-10 that will contribute to the advancement of Heavy Vehicles and our freight corridor.

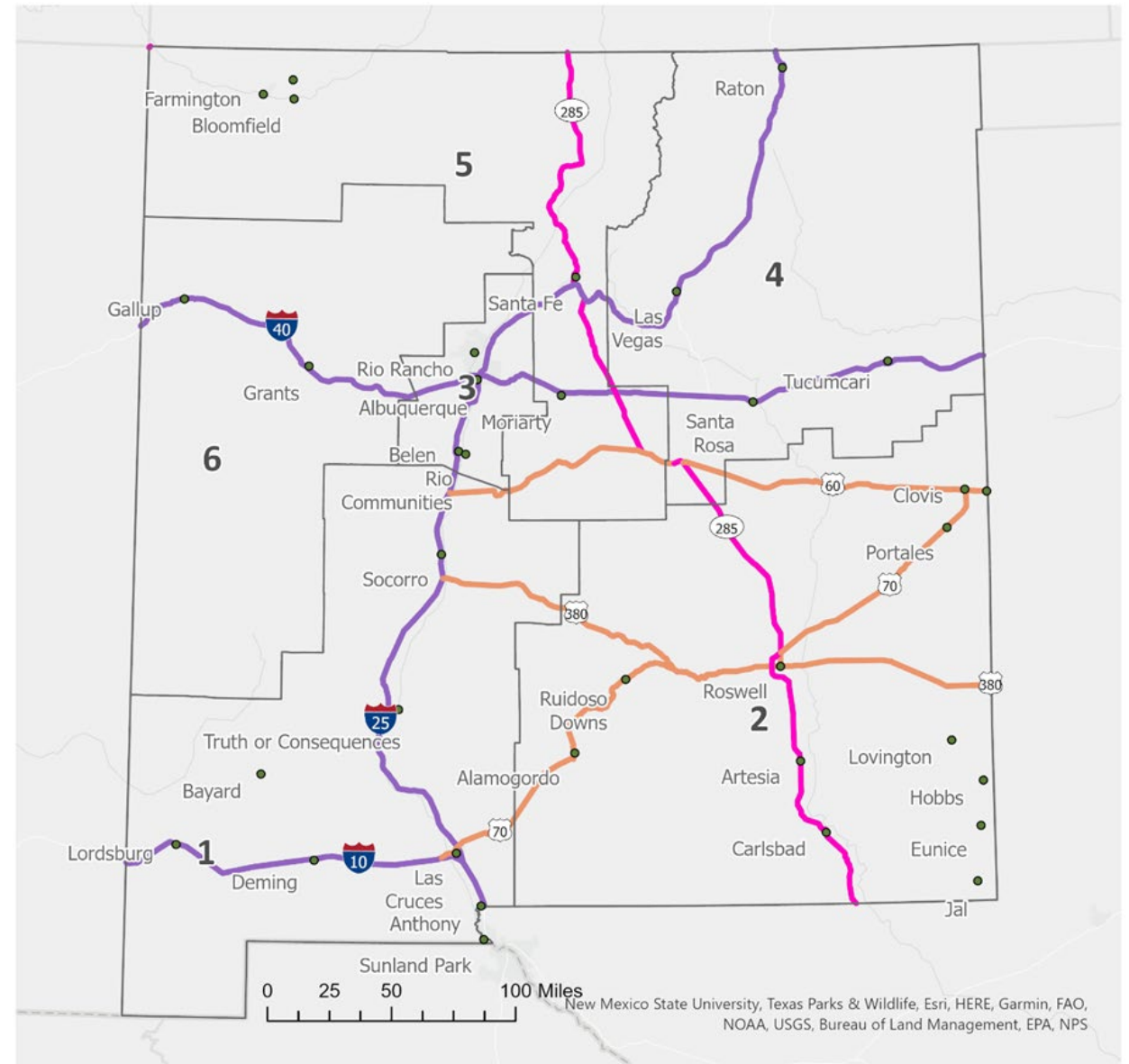
What's Next?

-Critical corridors that are not part of the AFC network include US-550 (305miles), US-84 N. of Espanols (81 miles), US-64 (425 miles), and US 60 W of I-25 (303 miles), etc.

- Local community projects located on any public road or in other publicly accessible locations, such as parking facilities at public buildings, public schools, and public parks, or in publicly accessible parking facilities.

-State of New Mexico facilities to accelerate the transition to an Electric Vehicle Fleet.

The Department of Transportation along with General Services Department, Environment Department, Department of Energy Minerals and Natural Resources is requesting an additional \$55M+ to help advance EV Charging Infrastructure Deployment.



Questions

NMDOT



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