

POWER UP NEW MEXICO

NM at the crossroads of the I-40 Tradeport Corridor and National Zero Emission Freight Corridors

Designated Regional Infrastructure Accelerator (RIA) by the USDOT on Oct. 13, 2023 (click here to read the USDOT announcement).



WHO

GLDPartners Graphics



WHERE DO I PLUG THIS IN?

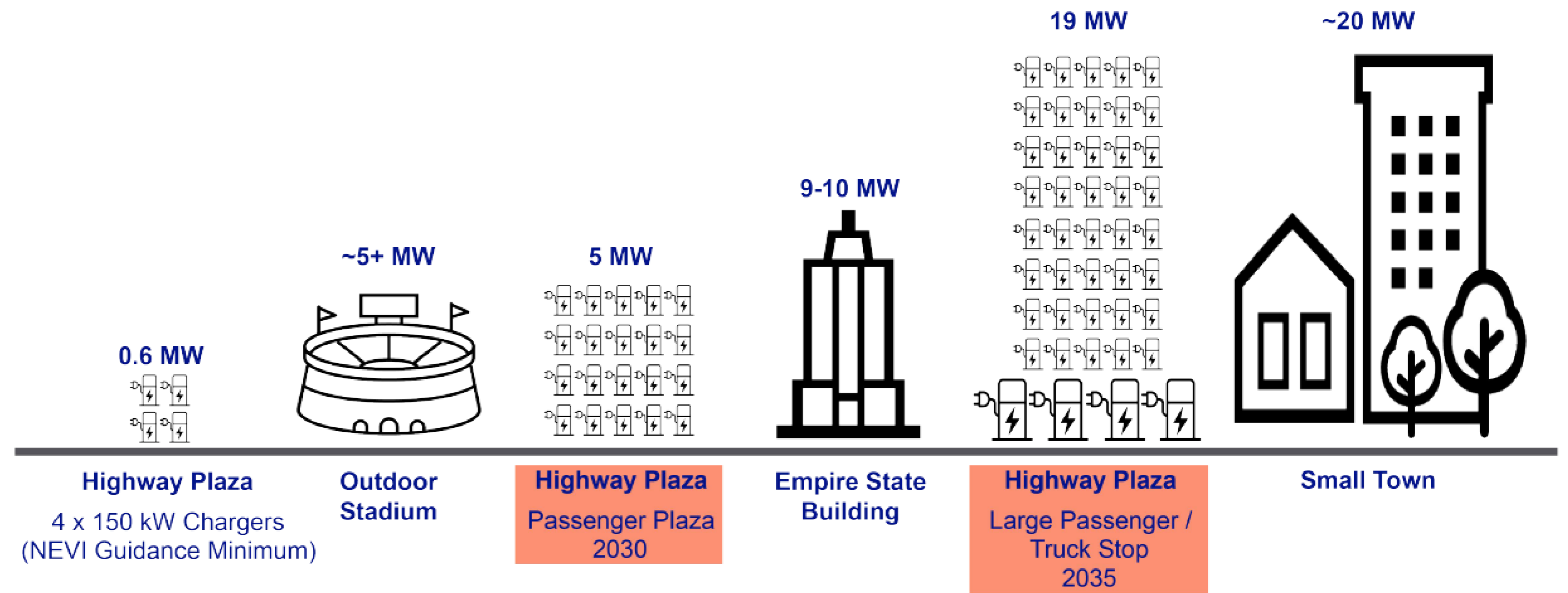


Distribution system challenge



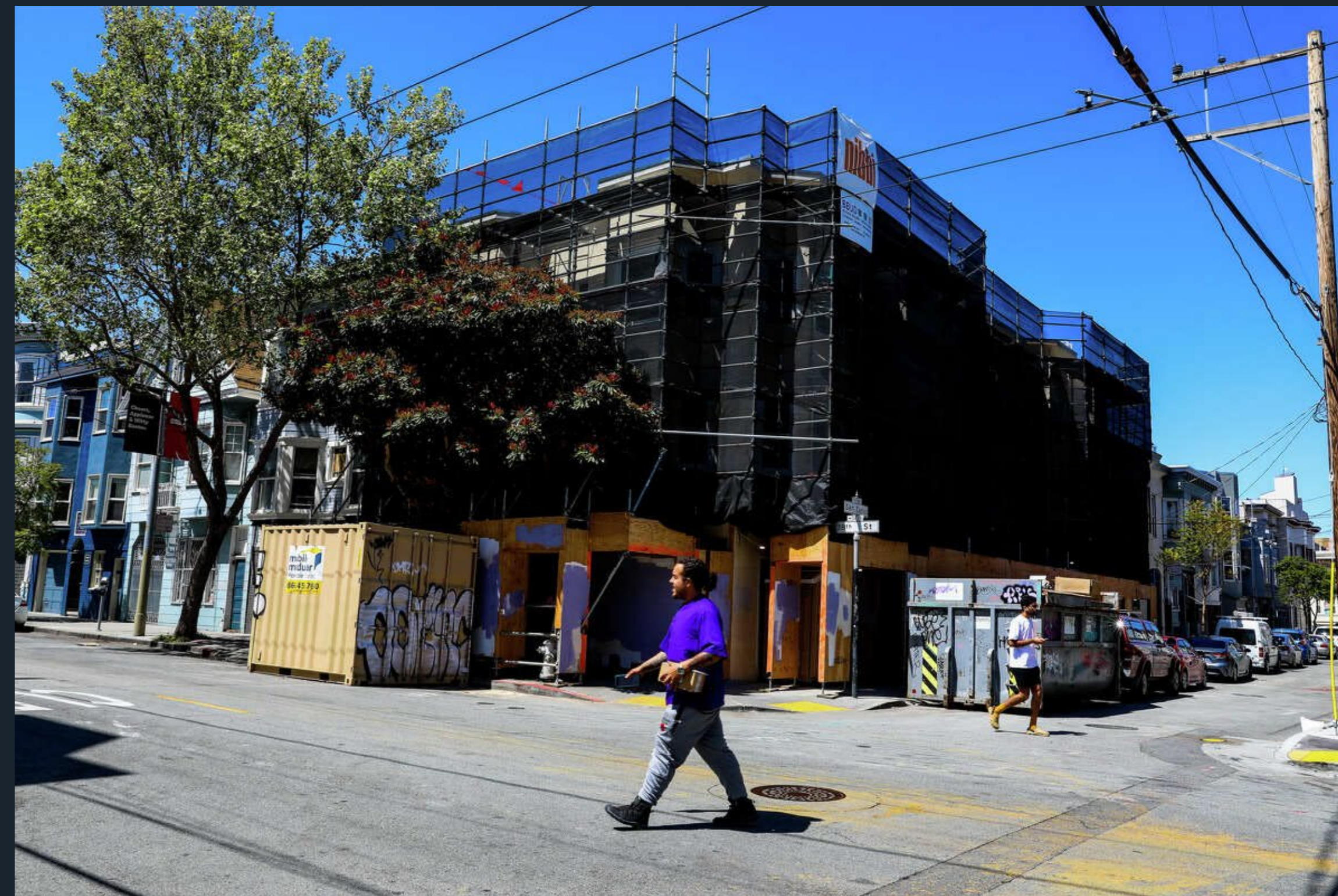
Working Prototype of Megawatt Charging System (1-3.75MW)

Figure 21. Comparative Peak Loads for Illustrative Sites and Other Major Users³⁵



Credit: Electric Highways Study

THE NEED



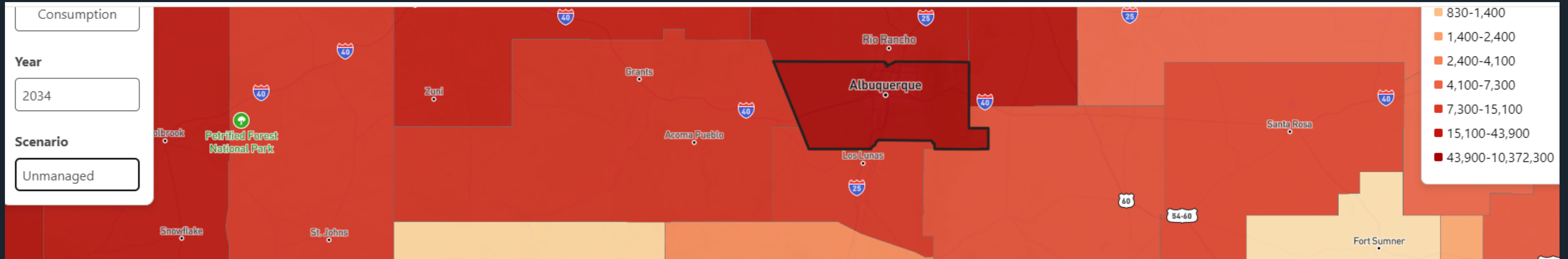
Trucks that can't be charged (credit: NRDC staff) and affordable housing that can't be occupied (credit: SF Chronicle)

LET'S NOT LET THIS HAPPEN IN NEW MEXICO



Credit: Volvo North America

BERNALILLO COUNTY



Bernalillo County, NM

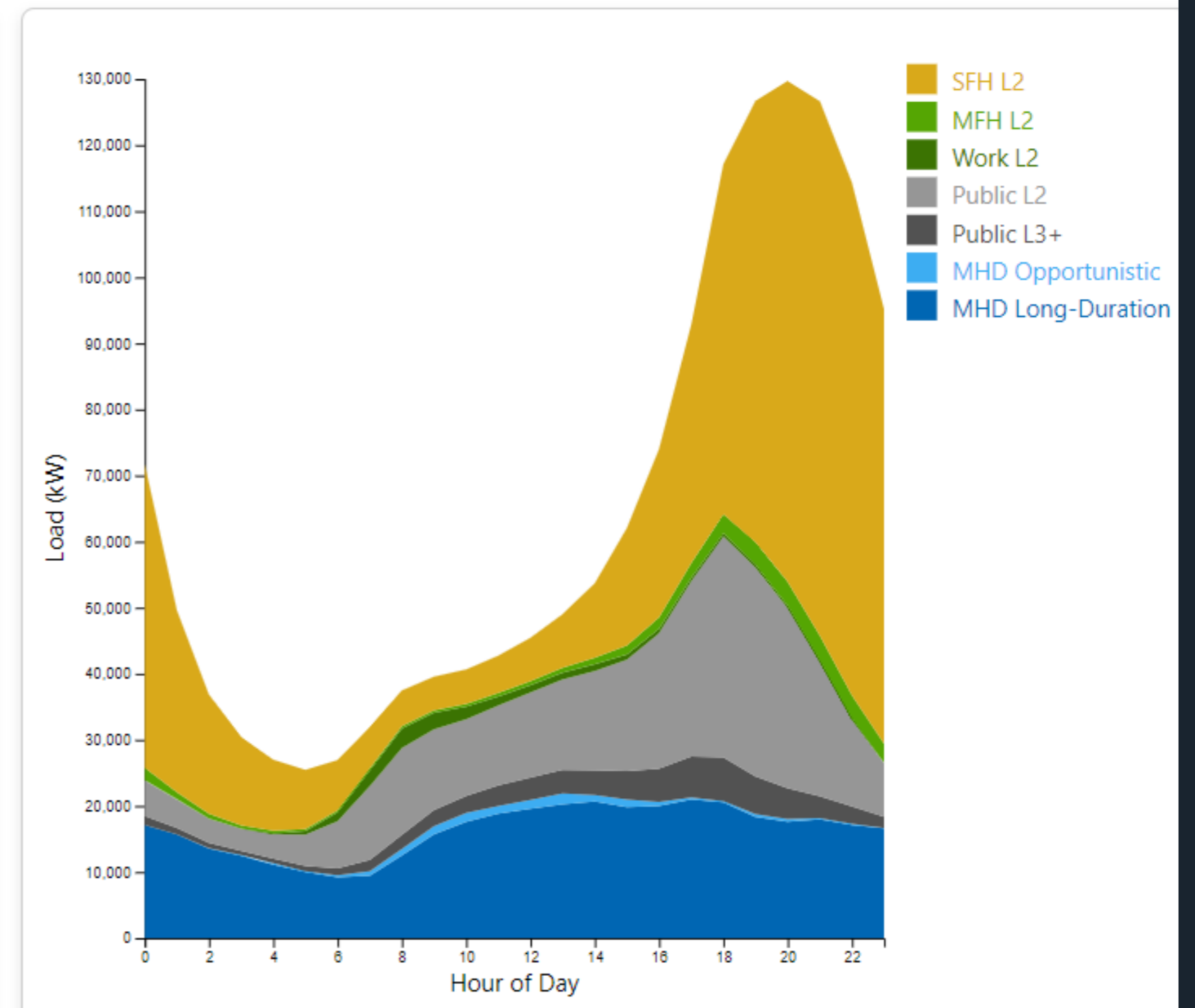
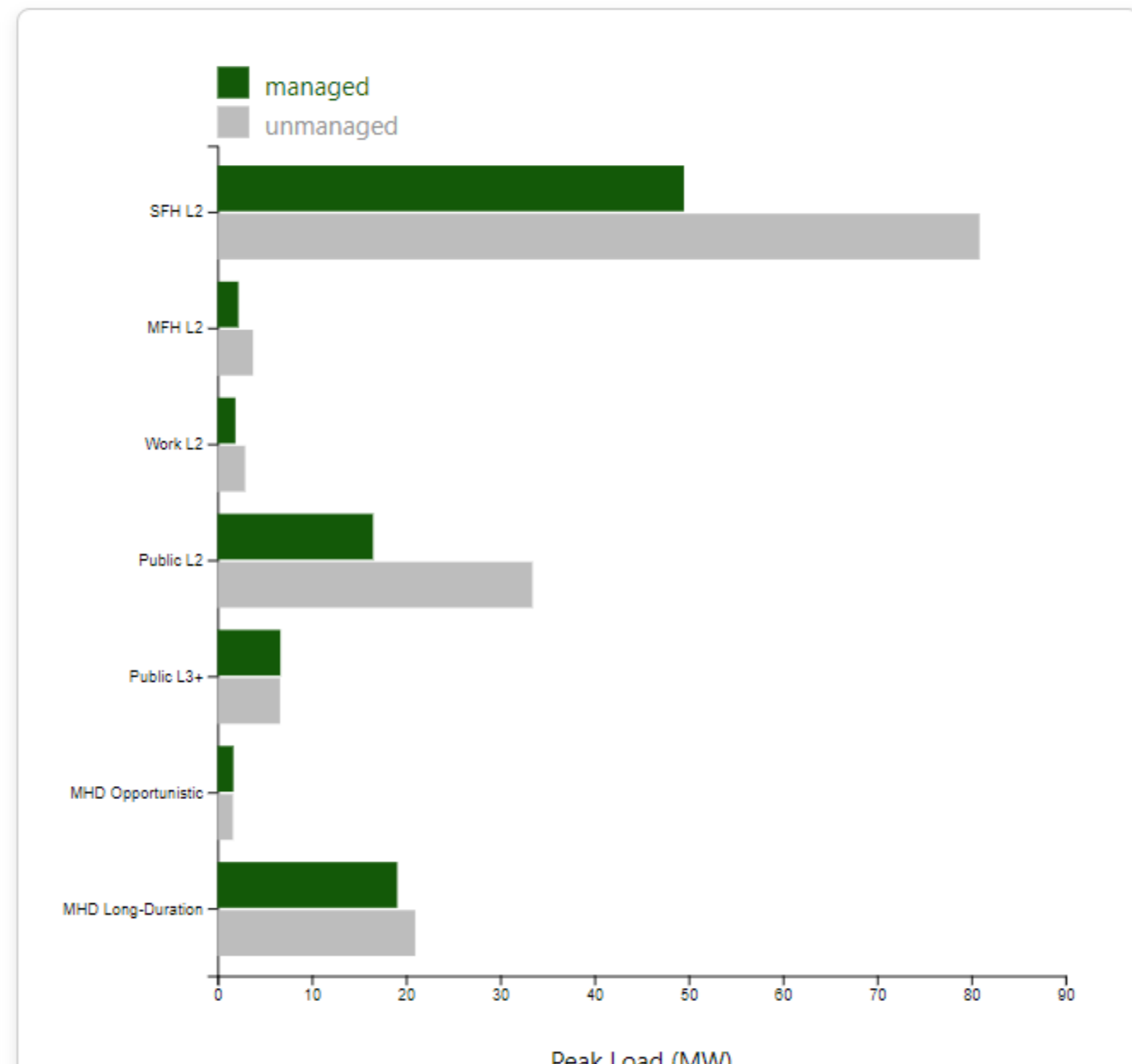
ID: 35001

Population: 671,620

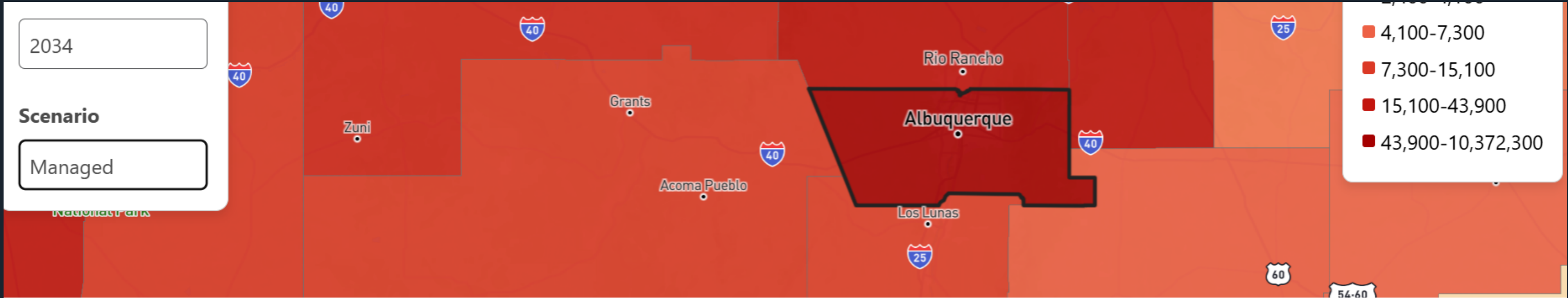
Median Income: \$62,000

Unemployment: 5.4%

Bachelor's Degree: 34.4%



BERNALILLO COUNTY



2034

Scenario

Managed

Bernalillo County, NM

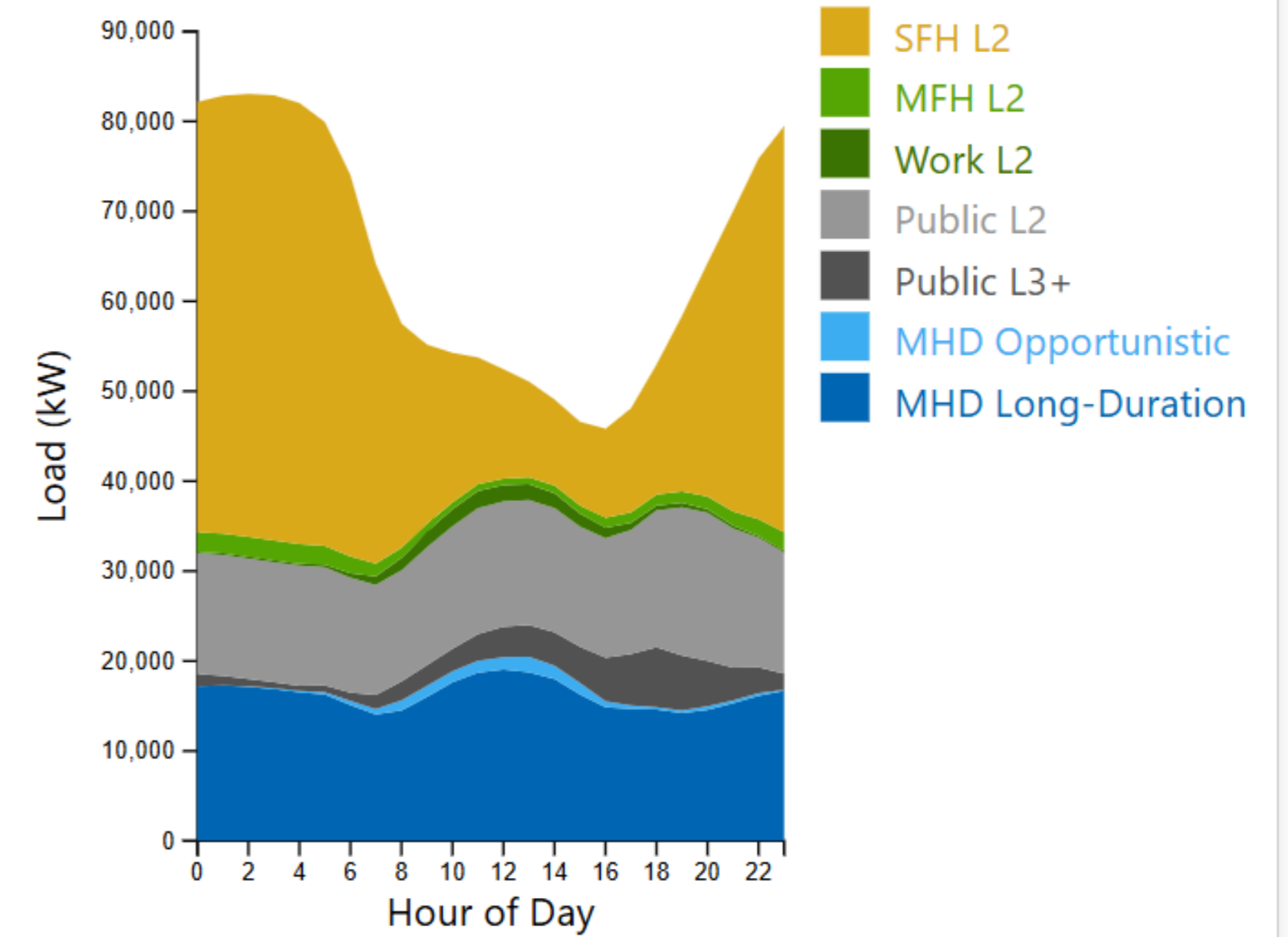
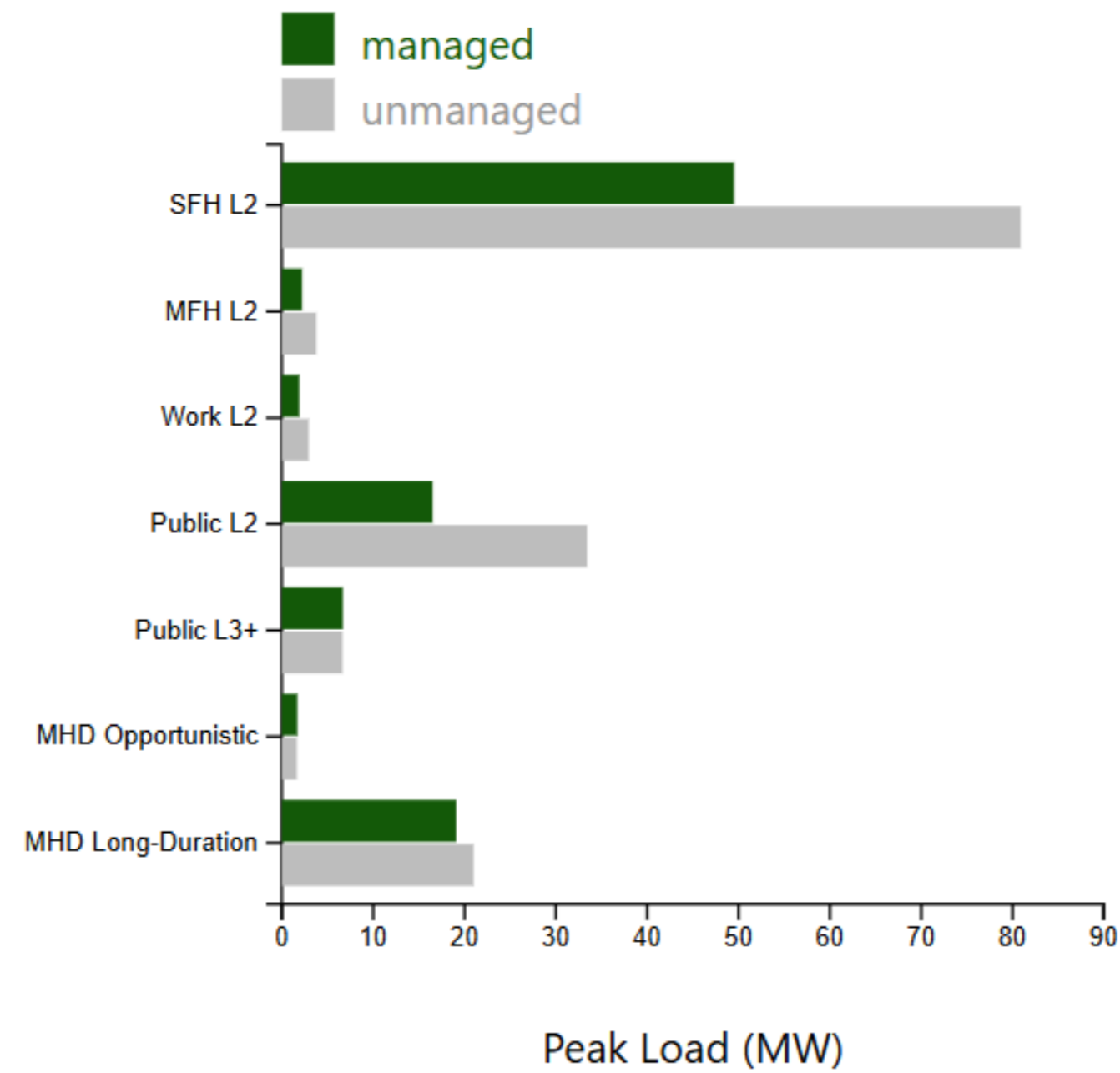
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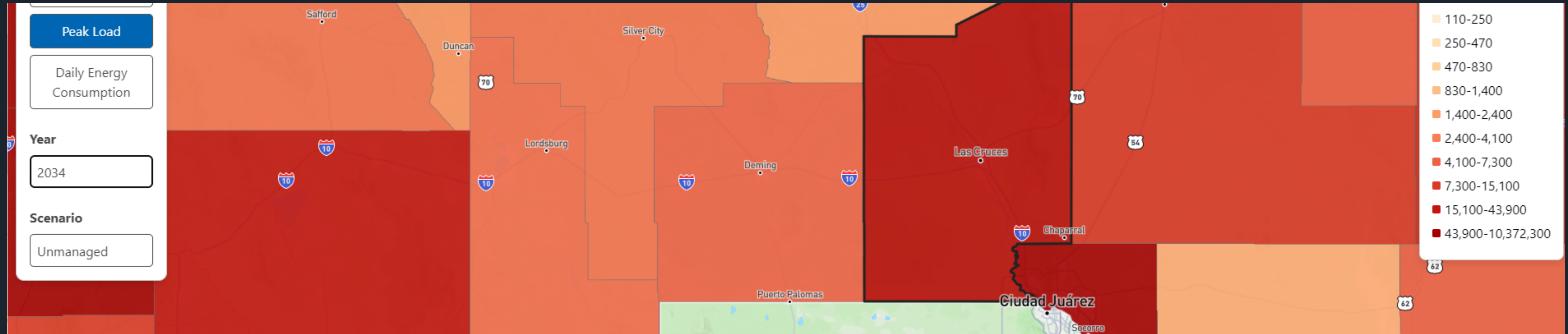
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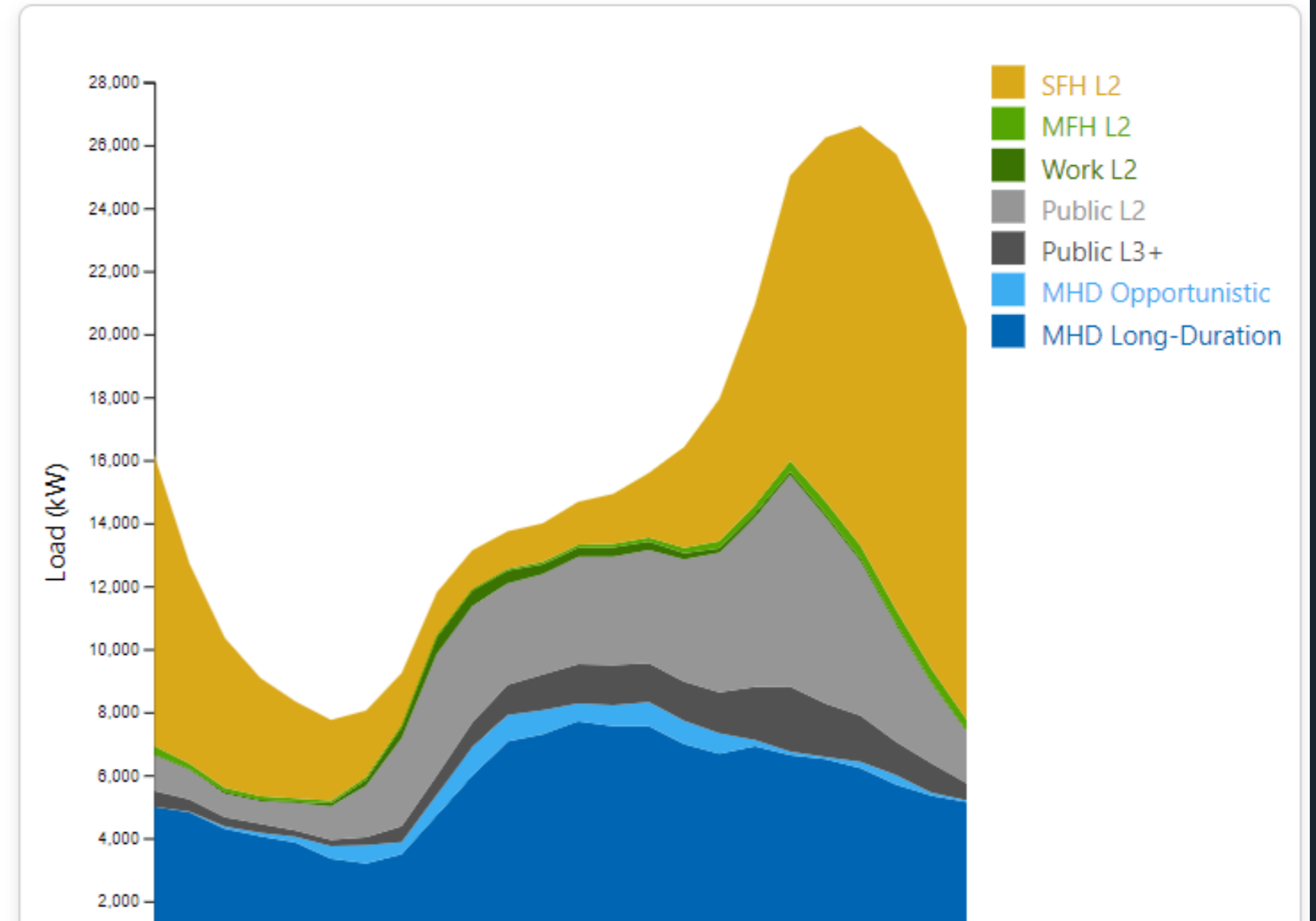
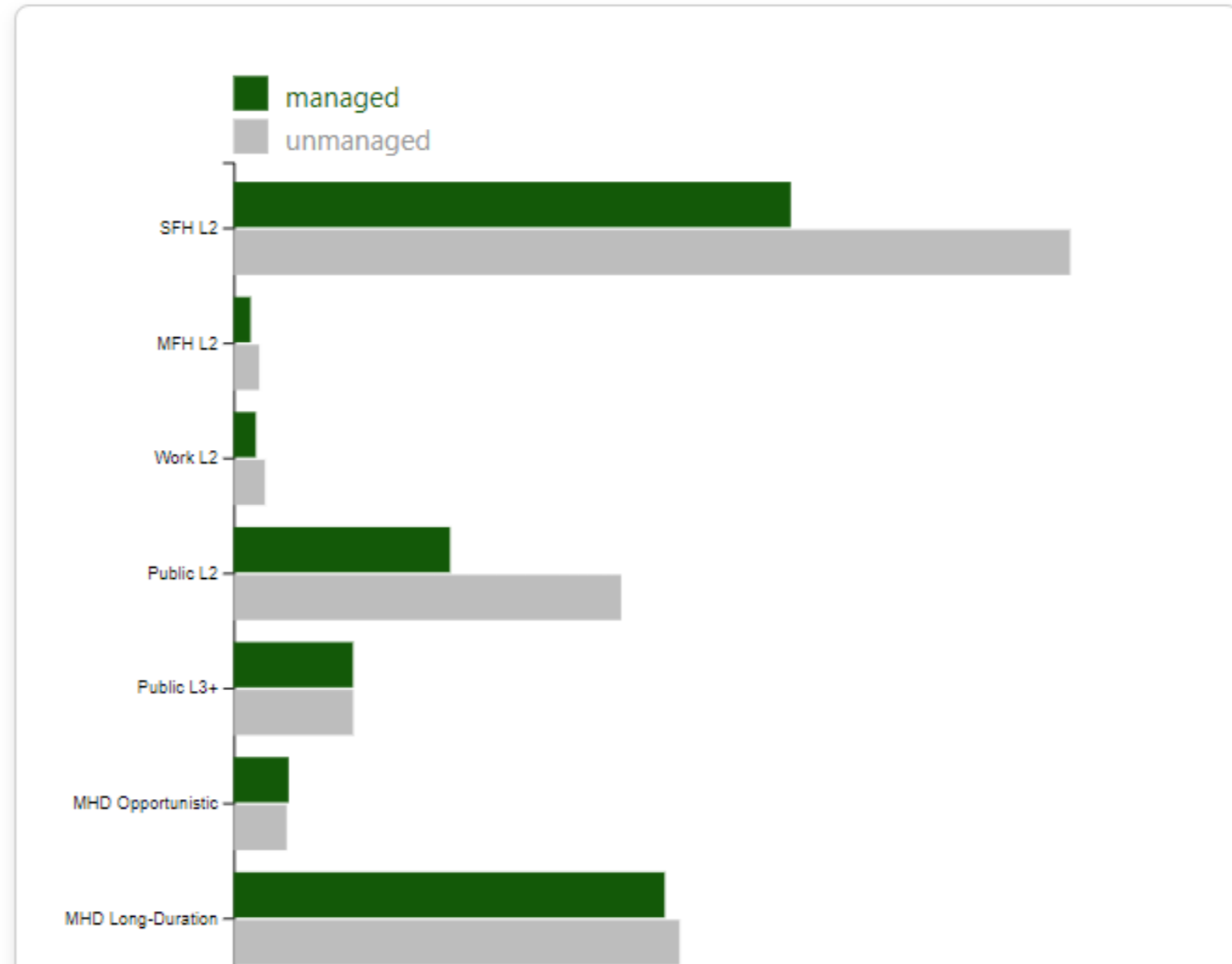
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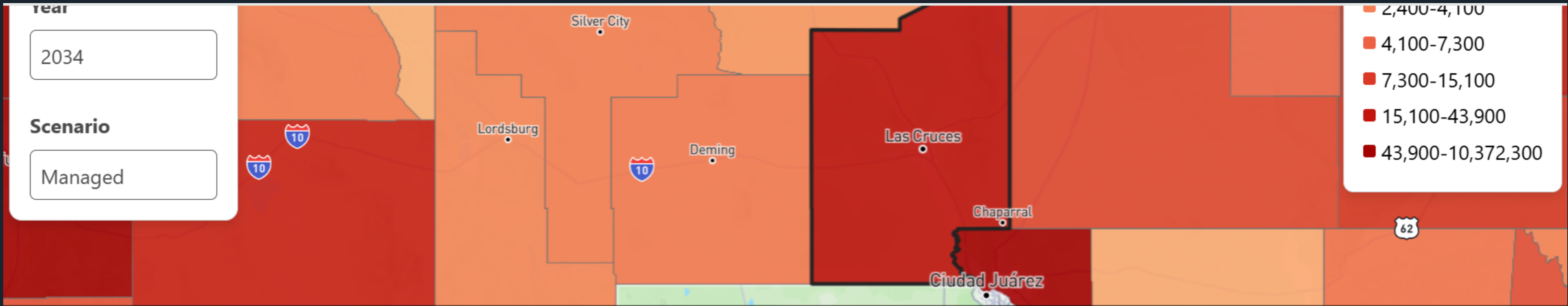
DONA ANA COUNTY



Dona Ana County, NM
 ID: 35013
 Population: 225,200
 Median Income: \$51,200
 Unemployment: 6.8%
 Bachelor's Degree: 27.8%



DONA ANA COUNTY



Dona Ana County, NM

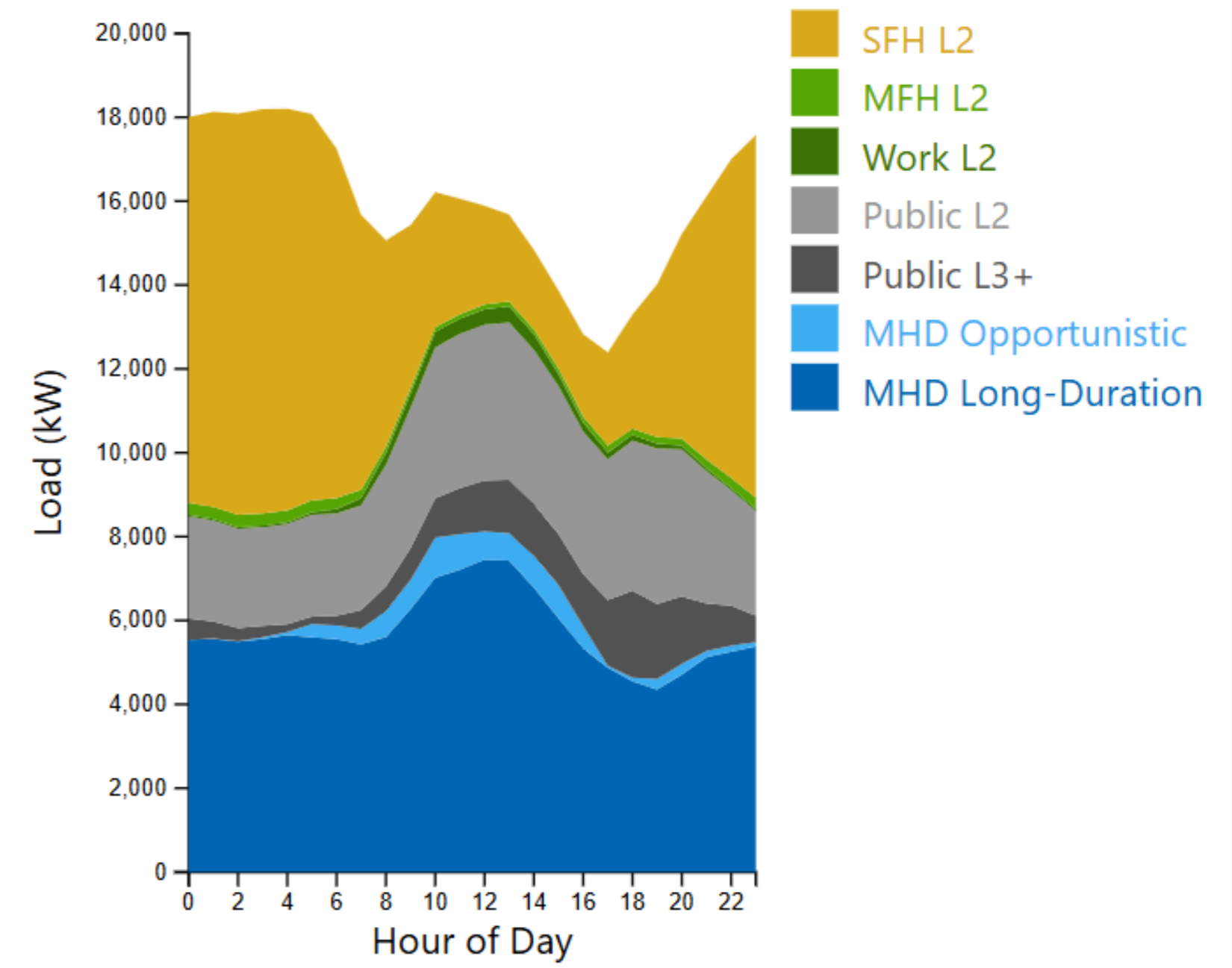
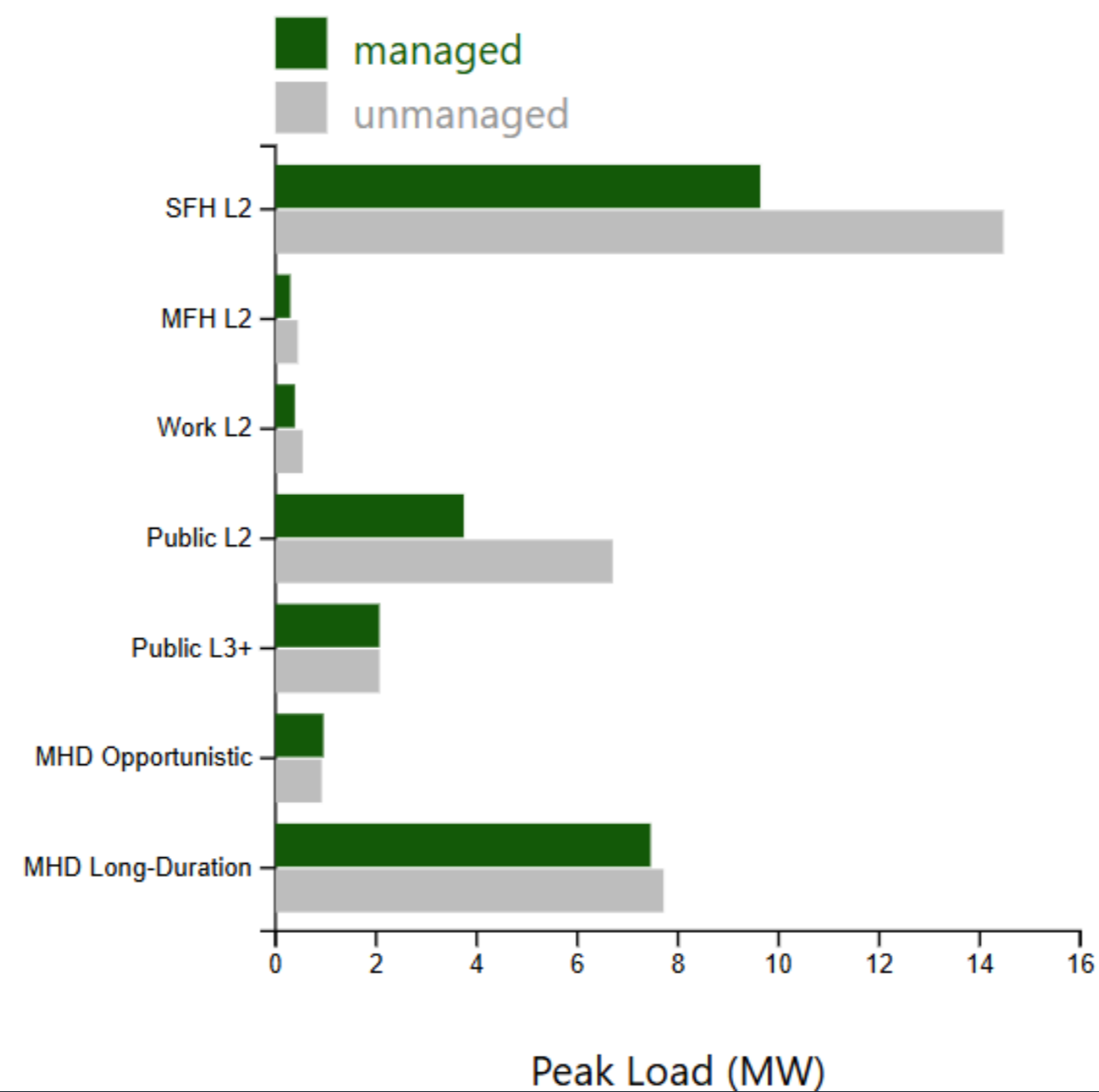
ID: 35013

Population: 225,200

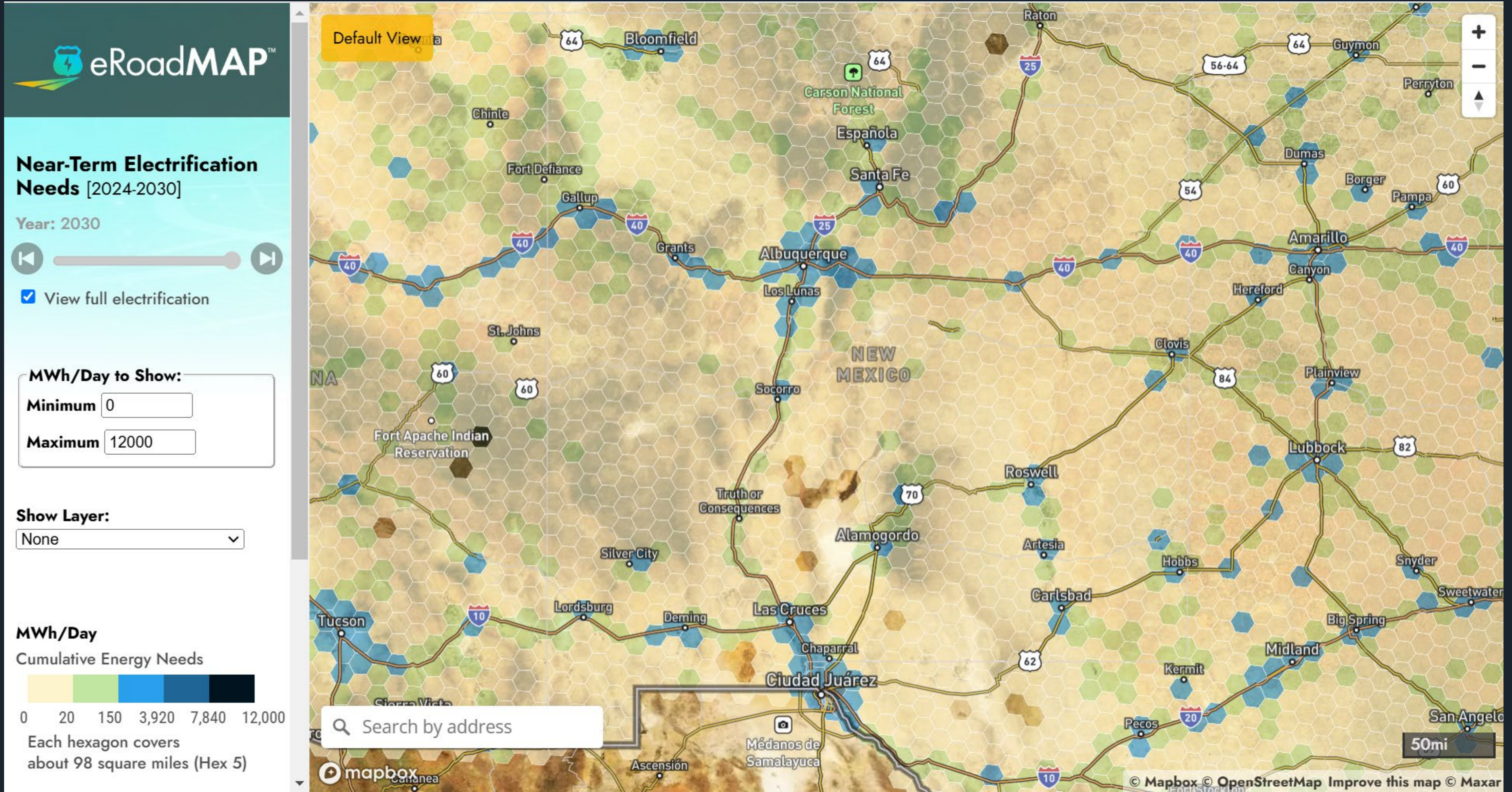
Median Income: \$51,200

Unemployment: 6.8%

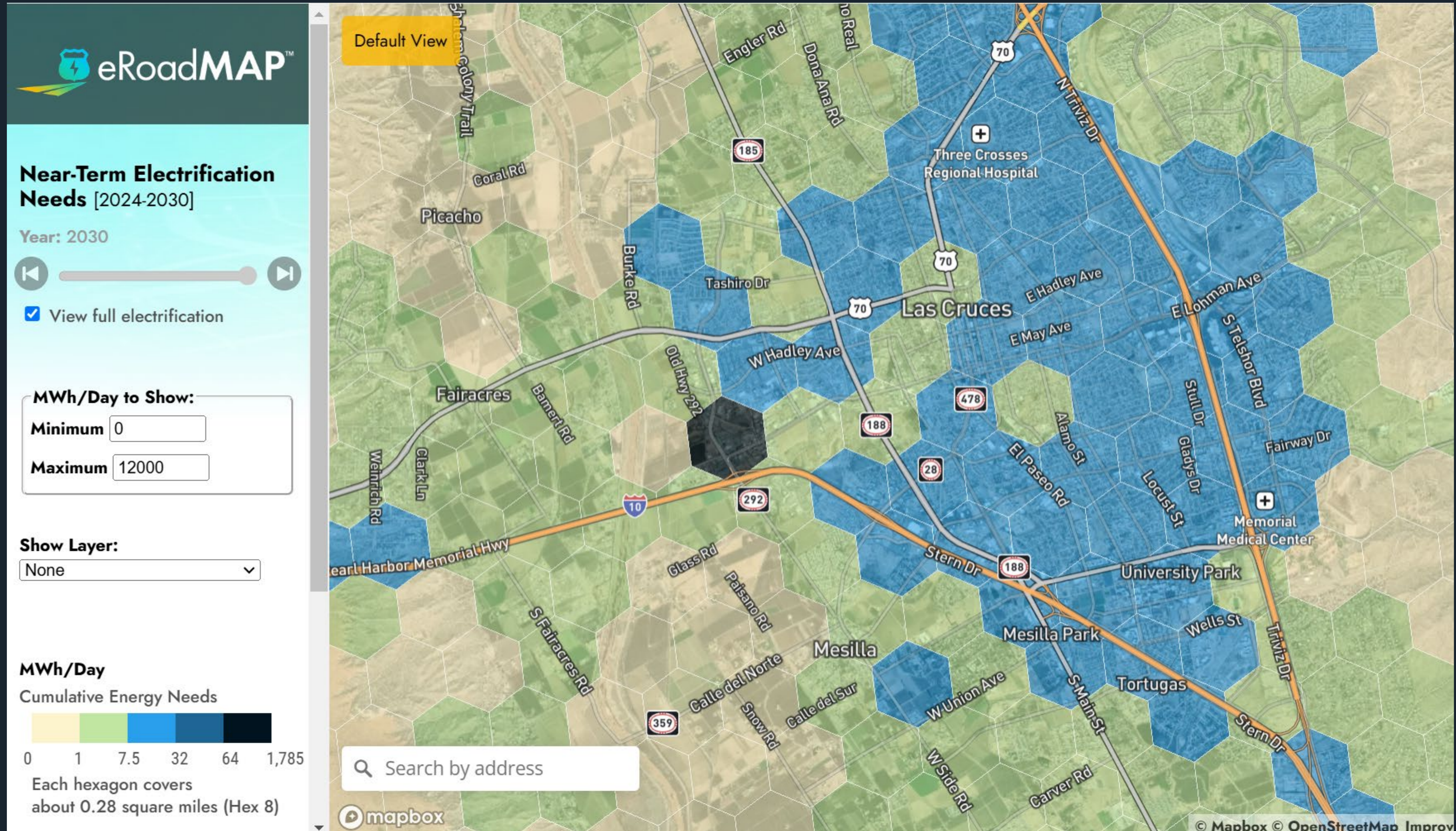
Bachelor's Degree: 27.8%



PLANNING FOR SUCCESS



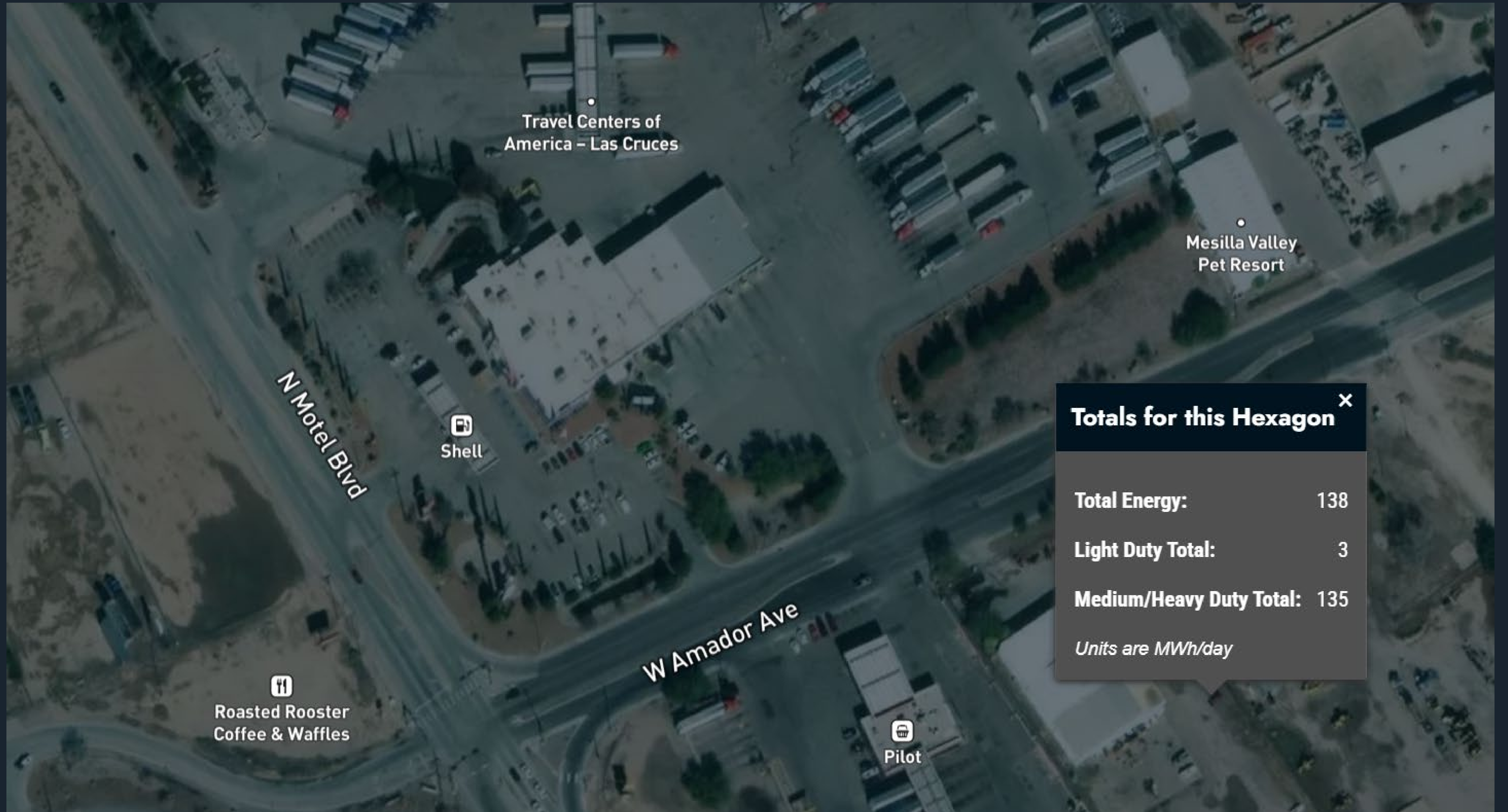
PLANNING FOR SUCCESS



PLANNING FOR SUCCESS



PLANNING FOR SUCCESS



POWER UP NEW MEXICO ACT:



- 1. Aligns Utility Planning with State and Federal Laws and Regulations:** Makes it state policy for investor-owned utilities to prepare the grid for transportation and building electrification aligned with federal, state, regional, and local climate and air quality laws and standards.
- 2. Building Once, Building Right:** Reduces costs by requiring utilities to right-size and future-proof grid investments consistent with state law and regulations.
- 3. Avoid Upgrades When Possible:** Requires utilities to take advantage of smart charging, smart solar, smart appliances, and potentially Virtual Power Plants to avoid grid upgrades where possible.
- 4. Timely Energization:** Directs the New Mexico Public Regulation Commission (PRC) to establish average and maximum target energization timelines connect new customers or upgrade the service of existing customers. Requires utilities to report compliance, explain any delays, and take corrective actions.
- 5. Enforcement Mechanisms:** Empowers the PRC to take necessary actions to enforce compliance with established deadlines, fostering accountability in the utilities' commitment to timely energization.
- 6. Workforce Development:** Requires utilities to report workforce needs to meet the act's requirements and encourages hiring accordingly, ensuring a skilled workforce for the evolving energy landscape.
- 7. Helps Customers Electrify Buildings:** Directs utilities to propose programs subject to PRC review and approval that help customers adopt efficient electric appliances, as they currently do with electric vehicle charging stations.

STAKEHOLDERS INVOLVED IN POWER UP NM WORKING GROUPS:

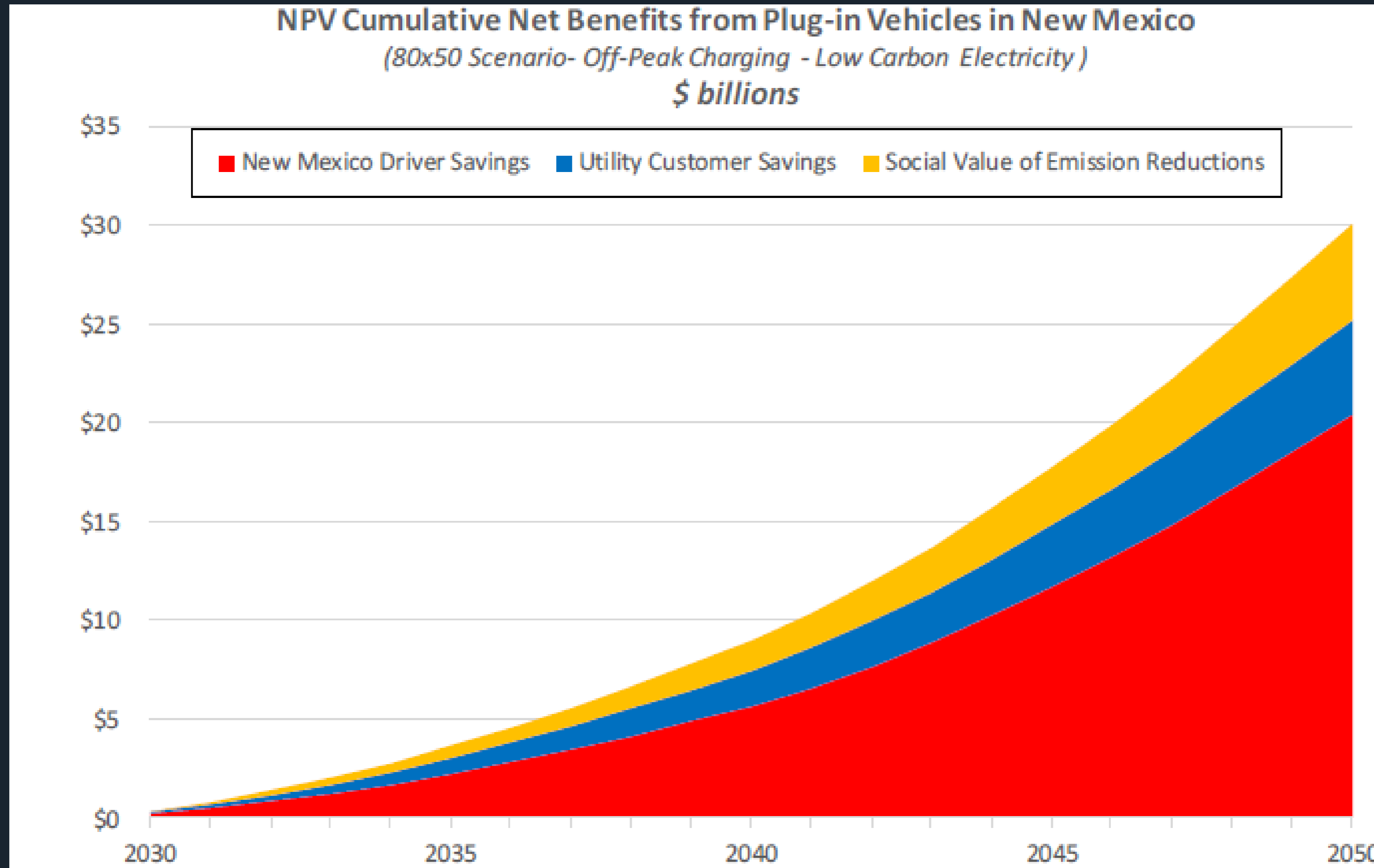


- Advanced Energy United
- Affordable Solar
- Albuquerque Academy
- American Lung Association
- Albuquerque Regional Economic Alliance (AREA)
- Bernalillo County Economic Development
- Bridge of Southern NM
- City of Sunland Park
- Central New Mexico Community College (CNM)
- El Paso Electric
- EMNRD
- Environmental Defense Fund (EDF)
- Gridworks Energy
- IBEW 1611
- NAIOP
- NM Climate Investment Center
- NM Coalition for Clean Affordable Energy
- NM Economic Development Department
- NM IDEA
- NM PRC
- NM Rural Electric Cooperatives
- NM Workforce Connections
- NM Workforce Solutions
- NRDC
- OE Solar
- PNM Resources
- Prosperity Works
- REIA
- Southwest Energy Efficiency Project
- Tri-State Generation & Transmission
- Western Resources Advocates
- Xcel Energy

THE RATIONAL FOR GOING FASTER

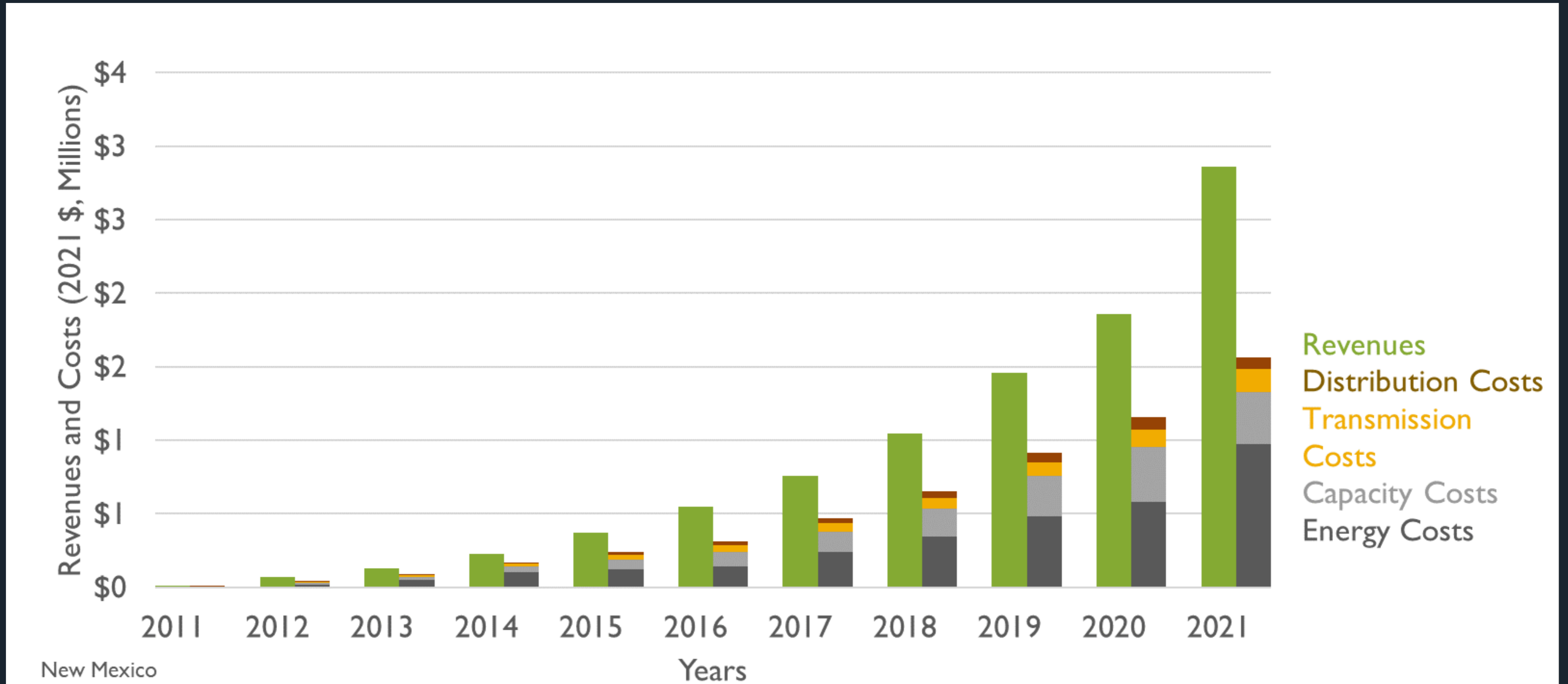


Plug-in Electric Vehicle Cost-Benefit Analysis- New Mexico (2020)



ELECTRIC VEHICLES ARE DRIVING RATES DOWN

Historic Costs and Revenues from EV Charging Customers in New Mexico



New Mexico

BUILDING THE INFRASTRUCTURE NEEDED TO ZERO-OUT VEHICLE POLLUTION

Natural Resources Defense Council