



Nevada Electric Highway

JOINT INITIATIVE BY NV ENERGY AND THE STATE OF NEVADA

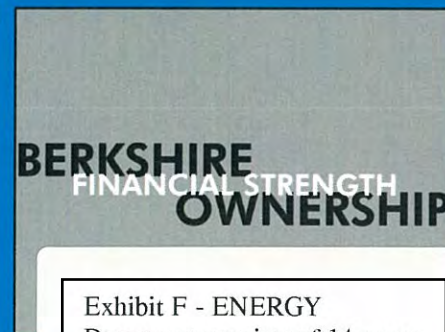


Exhibit F - ENERGY
Document consists of 14 pages.
Entire exhibit provided.
Meeting Date: 02-08-16

Economic and Air Quality Benefits of Electric Vehicles in Nevada

Greater efficiency

- Compared to gasoline powered internal combustion engines, electric vehicles can travel the same distance using approximately 24% less energy.

Locally produced energy source

- Almost all of the petroleum and refined gasoline used in Nevada is imported, while electricity can be produced using clean energy resources that are abundant in the state, such as solar and geothermal.

Reduced emissions

- EVs have the potential to reduce greatly harmful tailpipe emissions compared to gasoline powered vehicles.

Reduced fuel cost

- Because of their higher efficiency and the low cost of electricity compared to gasoline per unit of energy, EV owners pay the equivalent of \$0.60 per gallon to drive their EVs.

Electric Vehicles Good For Nevada. Good For Customers

NV Energy Electric Vehicle Program

- Nevada Electric Highway
- Charging Station Shared Investment Program
- Electric Vehicle Time of Use Rates
- Electrification of the Fleet
- Workplace Charging
- Nevada Electric Vehicle Accelerator (NEVA)
- Clean Energy Mix

“NV Energy has demonstrated strong leadership and foresight in supporting EV’s”

~Southwest Energy Efficiency Project (SWEET)



*We're helping
to reduce
emissions
for a cleaner
Nevada.*

Electric Vehicle Incentives

Federal

- Up to \$7,500 tax credit for plug-in electric vehicles.
 - 30% tax credit on electric vehicle charging infrastructure. Up to \$1,000 for consumers and \$30,000 for businesses.
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State

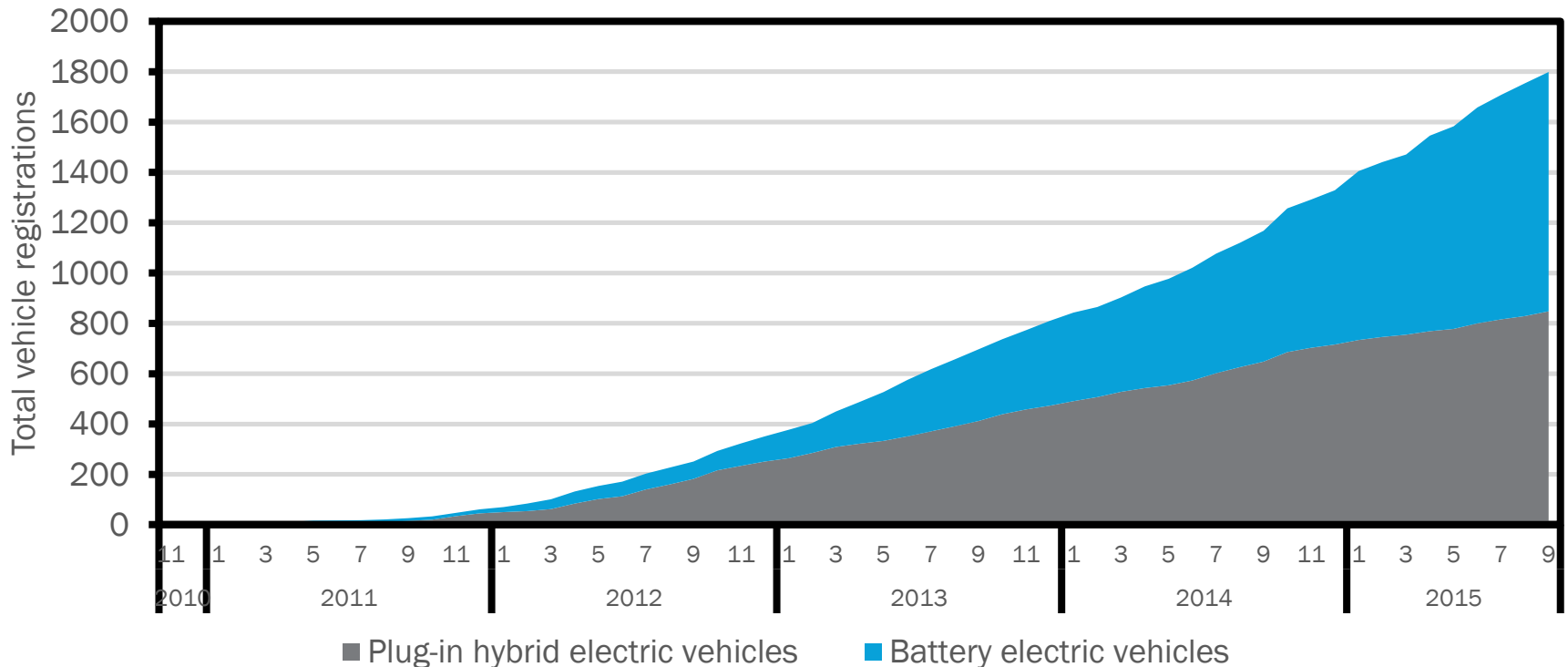
- Alternative Fuel Vehicle and Hybrid Electric Vehicle Emissions Inspection Exemption.
 - Alternative Fuel Vehicle Parking Fee Exemption.
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Utility

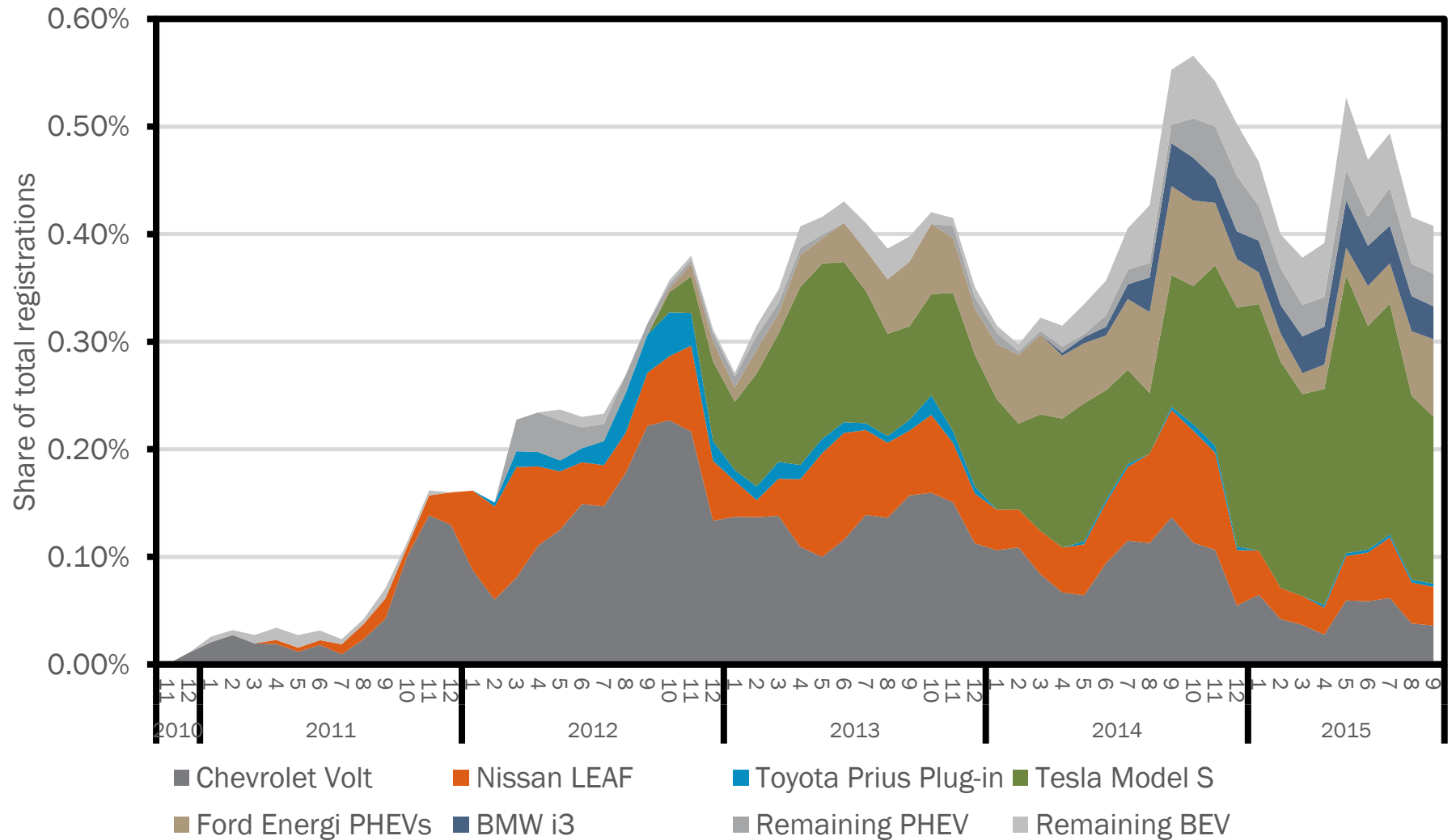
- Electric Vehicle Time of Use Rate.

Nevada Electric Vehicle Registrations

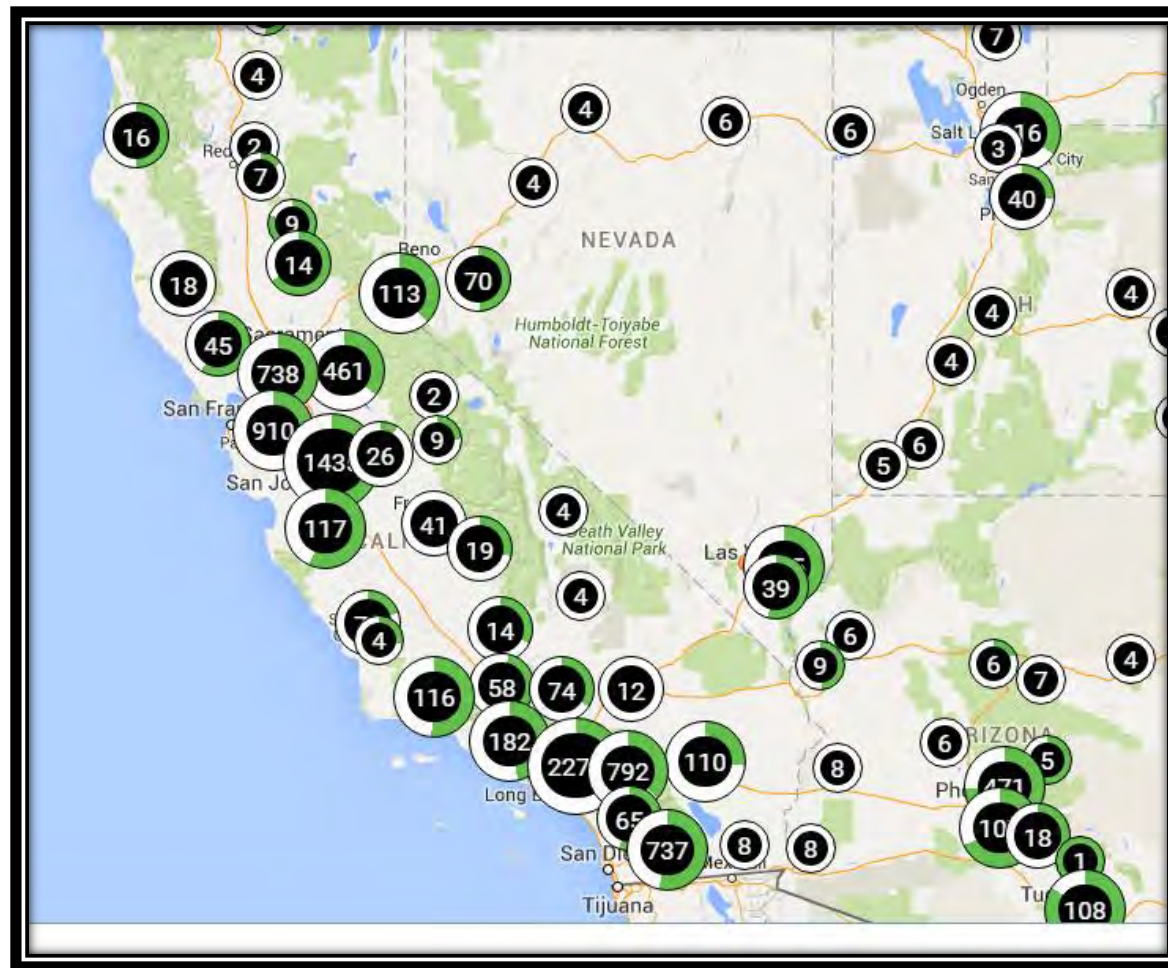
- 1799 Registered Plug-In Electric Vehicles in Nevada as of 3rd Quarter 2015
- Significant year over year growth
- Battery electric vehicles have over taken plug-in hybrid electric vehicles



EV share of Nevada Registrations



Public Charging Available in Nevada



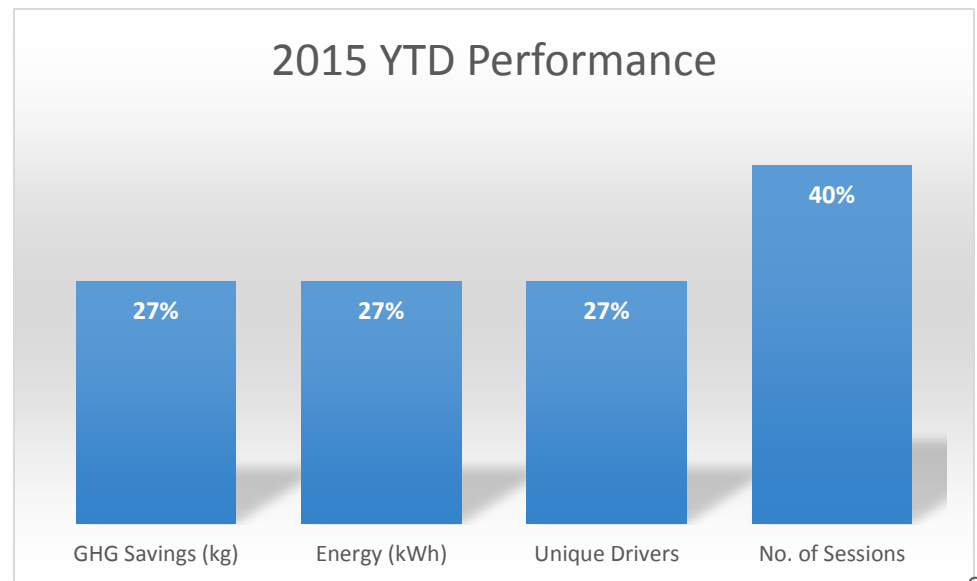
Partnerships Accelerating Sustainability in Nevada

NV Energy partnered with ~50 Nevada companies and agencies in 2013 **and doubled** the electric vehicle charging infrastructure in Nevada

- ✓ Airports
- ✓ Universities
- ✓ Casinos
- ✓ Government Buildings
- ✓ Shopping Centers
- ✓ NV Energy Offices

2015 Performance of NV Energy Charging Station Shared Investment Program

Date	No Of Sessions	Unique Drivers	GHG savings (kg)	Energy (kWh)
Jan	2,038	461	6,622	15,767
Feb	1,871	413	5,690	13,548
Mar	2,138	473	6,663	15,863
Apr	2,235	503	7,120	16,952
May	2,279	550	7,491	17,836
Jun	2,308	547	8,014	19,080
Jul	2,601	607	8,655	20,606
Aug	2,853	673	9,480	22,572
Sep	3,124	615	9,735	23,178
Oct	3,099	600	9,069	21,594
Nov	2,928	600	8,772	20,885
Dec	2,846	584	8,423	20,056



Nevada Electric Highway



“This Electric Highway will allow electric vehicle drivers to power their cars by tapping into Nevada’s own renewable energy resources. This will strengthen our state’s energy independence while reducing Nevada’s petroleum imports.”

Nevada Governor Brian Sandoval

Nevada Electric Highway Program

TAKE CHARGE NEVADA

Are you interested in driving more customers to your business and community?

The Governor's Office of Energy and NV Energy are seeking to partner with one business or government entity in your community to host a charging station for electric vehicle drivers in Nevada. We are looking to jointly invest in an off-street location that can accommodate one fast-charge port and two level-2 charging hookups for Nevada's growing electric vehicle market.

DO YOU QUALIFY?

- Are you located along U.S. Route 95, between Reno and Las Vegas?
- Would your location have 24-hour access?

Please visit nvenergy.com/EV to access the Nevada Electric Highway Charging Station Application to see if your business or entity qualifies.

For more information about NV Energy's electric vehicle programs, visit nvenergy.com/EV.



Nevada Governor's
Office of Energy



RENO

LAS VEGAS

NVEnergy

*We're putting all of our energy
into your energy.*

- The business or entity is located on or near U.S. Route 95;
 - Host must be owner of the property, or have written consent from the owner, to construct, operate and maintain electric vehicle charging stations on site
 - Host shall have dedicated parking spots for the electric vehicles, so that electric vehicle charging can be performed safely
- The business or entity will provide year-round, 24-hour access;
- The business or entity will not require payment by electric vehicle owners for the charging service for five years;
- The business or entity will allow NV Energy to monitor station usage through the ChargePoint network; and
- The business or entity will accept the terms of the NV Energy Charging Station Shared Investment Agreement.

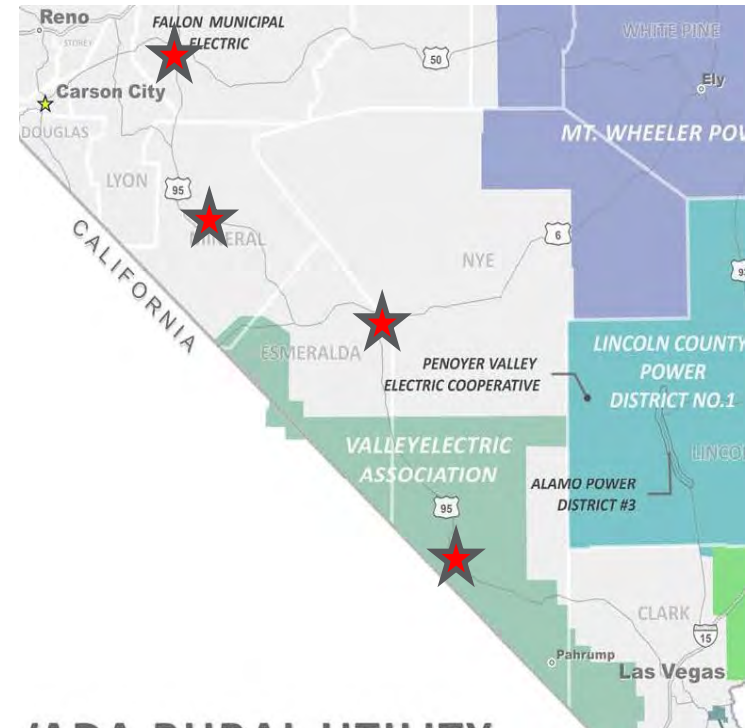
If selected, NV Energy will provide an upfront cost abatement payment of \$30,000 to help the host acquire, permit, install, own and maintain the electric vehicle charging stations that must be compatible with the ChargePoint Network:

- Two (2) AC Level-2 charging ports (with J-1772 connectors); and
- One (1) DC "fast" charging station (with CHAdeMO & SAE combo).



Governor's Office of Energy Grant Funding

- To help offset costs for installing the charging stations along the route, GOE will leverage funds allocated by U.S. DOE through the State Energy Program formula grant.
- GOE funding includes \$30,000 for 3 stations in NV Energy service territory and \$15,000 for 1 station in VEA service territory.





Governor's Office of Energy Demand Charge Offset Program

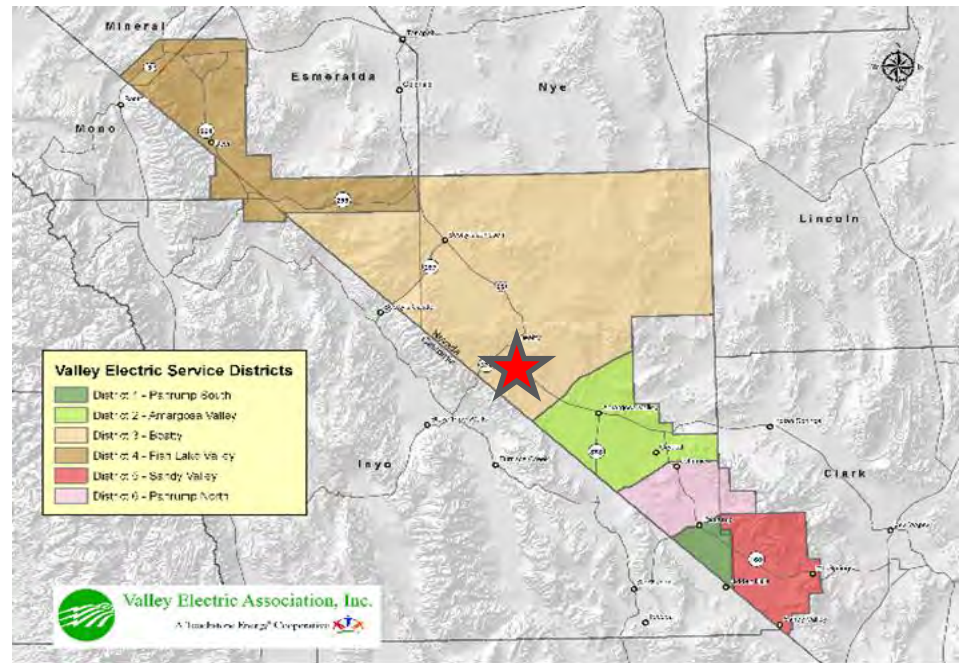
- GOE will offset electricity demand charge increases for first 5 years.
- Demand charges associated with high power direct current (DC) fast charger can be significant.
- GOE will make an initial payment of \$2,400 to offset estimated demand charges for the first 12 months of operation. A year later, verify the actual charging station billing impact and adjust the next year's payment.
- Only host sites located within NV Energy service territory are eligible for this incentive. (NRS 701A.450)





Valley Electric Association

- The host site in Beatty is at the Stage Coach Eddie World gas station / commercial development.
- GOE obtained NEPA approval from DOE in December.
- VEA will own and operate the charging station through lease.
- Installation complete.





Nevada Electric Highway Expansion

Planning Phase 2 to connect the remainder of the state.

- Interstate 80
- U.S. 50
- U.S. 93

PUCN EV Charging Infrastructure Investigatory Docket

- Charging station electricity cost recovery
- Demand Charge challenges
- Develop a collaborative data-driven comprehensive plan for EV Charging infrastructure expansion

