

# NEVADA ELECTRIC HIGHWAY

Electrifying Nevada's major corridors



**Governor's Office of Energy**

OREGON

IDAHO

NEVADA

UTAH

CALIFORNIA

ARIZONA

Winnemucca

Elko

Reno

Fernley

Fallon

Ely

Tonopah

Caliente

Mesquite

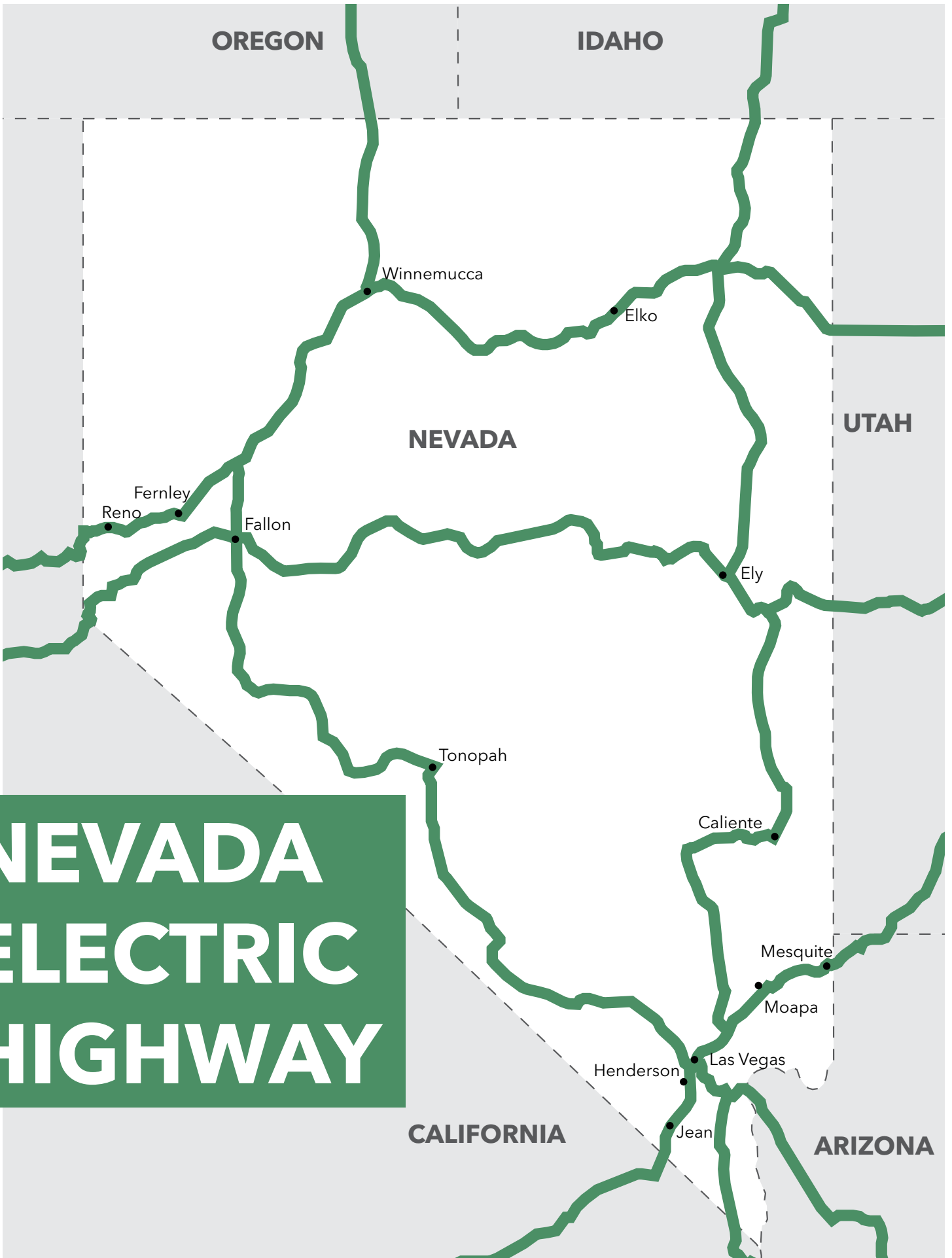
Moapa

Henderson

Las Vegas

Jean

# NEVADA ELECTRIC HIGHWAY





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# OVERVIEW

## ACKNOWLEDGEMENTS

The Nevada Electric Highway program is made possible by partners throughout the Silver State, including the Nevada Department of Transportation (NDOT), Nevada Division of Environmental Protection (NDEP), NV Energy, Valley Electric Association, Alamo Power District, Harney Electric Cooperative, Lincoln County Power District, Mt. Wheeler Power, Overton Power District, Raft River Rural Electric, and Wells Rural Electric.




Funds from the U.S. Department of Energy's (DOE) State Energy Program (SEP) made much of this work possible. Finally, GOE thanks collaborating external partners including REV West, NASEO, FHWA, National Renewable Energy Lab, private sector partners for often hosting projects and the Utah Clean Cities Coalition.

## PROGRAM OVERVIEW & HISTORY

The Nevada Electric Highway (NEH) began as a partnership between the Governor's Office of Energy (GOE), NV Energy, and Valley Electric Association to expand Nevada's electric vehicle (EV) charging infrastructure, initially along US 95, with cost-effective and strategic installations.

GOE announced Phase I of the NEH program in June 2015 and outlined five initial sites along US 95 (Fallon, Hawthorne, Tonopah, Beatty, and Indian Springs). Businesses and government entities along that corridor were encouraged to support EV infrastructure development by hosting charging stations. GOE expanded the NEH program in 2018 to include I-80, I-15, US 93, US 50 and add additional EV charging along US 95 (NEH Phase II). Phase I stations include two Level 2 chargers and one direct current fast charger (DCFC) and provide free charging for the first five years of operation. Phase II stations similarly required a minimum of two chargers but offered the option for both to be DCFC.

### MAP KEY

-  Phase I site  
*free for public use for first five years*
-  Phase II site
-  Phase II site under construction

### AMENITIES KEY

-  dining
-  lodging
-  RV parking
-  casino
-  shopping
-  24/7 access
-  restrooms
-  parking
-  park
-  grocery/  
convenience store





# NEH OVERVIEW

Additional funds for NEH came after the 2016 Volkswagen (VW) settlement with the US government related to VW's alleged violations of the Clean Air Act by cheating on emissions tests. Nevada was allocated \$24.8 million to fund projects intended to offset excess pollution emitted by VW vehicles statewide. GOE received \$3.7 million, 15 percent of Nevada's \$24.8 million, to assist in expanding the NEH. [View more information on the VW Settlement or the Nevada's Beneficiary Mitigation Plan.](#)

The identification of strategic locations included those that could complete corridors for compliance with the FHWA Alternative Fuel Corridor EV distance requirements of 50 miles between stations. Additional FHWA information is found on page 9. Since NEH's initial mapping, private entities, primarily Electrify America, have installed EV chargers along Nevada's highways. This allowed GOE to leverage its NEH investments to build out other locations for corridor completion.

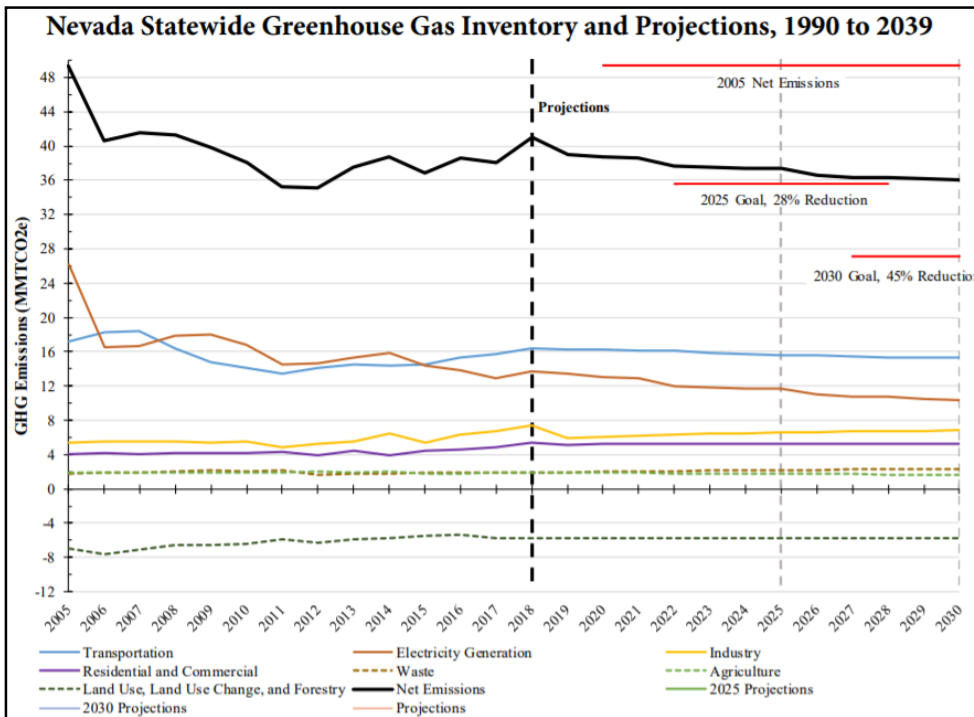
In May of 2018, GOE officially kicked off the NEH Phase II program, seeking partners to build another 38 EV charging station locations across the state. The Phase II goal included determining whether EV infrastructure on interstate corridors I-80 and I-15 and state highways US 95 and US 50 highways could be installed to meet the 50-mile increment required by the FHWA program. When Phase II is completed, there will be a total of 30 EV charging station locations. Funding for these installations is detailed in the appendix on page 28. As of March 2021, 21 stations have been built. Seven stations are in-progress and the last two are in a site selection phase; these remaining sites are currently proposed to be finished by June 2021.

As a result of the NEH program, Nevada has become one of the leading voices in the intermountain west for transportation electrification. GOE serves as the co-chair for the Regional Electric Vehicle Plan for the West (REV West) partnership, providing the Nevadas perspective as the region's keystone state linking the west coast and intermountain west. Additional information on REV West can be found on page 7.

New to EVs?  
[View the National Governors Association fact sheet.](#)



# NEH CLIMATE IMPACTS



Source: NDEP

Climate change has come to Nevada, including drought that risks water supply, wildfires that are increasing in frequency and duration and heat waves that are expected to increase in both frequency and duration in Las Vegas, the fastest warming city in the United States ([source](#)) and Reno. These impacts pose significant health risks to Nevada’s urban communities, especially to vulnerable populations and outdoor workers. In 2019, Nevada took multiple actions to tackle climate change and reduce carbon emissions economy-wide, including: joining the U.S. Climate Alliance, passing Senate Bill 254 (2019), [Governor Sisolak’s](#)

[execution of Executive Order 2019-22](#), and completion of a greenhouse gas (GHG) emissions inventory.

The 2019 and the 2020 inventories identified transportation ([source](#)) as Nevada’s largest source of emissions at 36 percent of all statewide emissions. Nevada’s carbon reduction targets cannot be met without tackling emissions from transportation. Electric vehicles produce zero direct emissions, which specifically helps improve air quality in urban areas, providing one important opportunity for transportation sector emission reductions.

By providing the “fueling” needed for EVs, the NEH supports Nevada’s climate goals. Providing the charging infrastructure to electrify Nevada’s highways allows the growing number of EV drivers (refer to the chart on page 24) to travel to and throughout Nevada in zero-emission EVs. Supporting the development of a robust charging EV infrastructure eliminates range anxiety, one of the primary concerns cited in deciding whether to purchase a zero-emission vehicle ([source](#)).

The NEH can provide peace of mind to drivers regarding the availability of charging on Nevada’s highways and eliminate that barrier to purchasing an EV. GOE views this opportunity to match EV charging needs with a growing number of EV drivers, and those considering an EV, as a critical piece of the puzzle for decarbonizing the transportation sector.



**Governor’s Office of Energy**



# FUNDING REQUIREMENTS

GOE awards funding for EV charging stations along identified corridors through a reimbursable subgrant process to electric service providers statewide. These subgrantees operate and maintain the EV charging stations either through direct ownership or by executing third-party host site agreements within their service territories for the stations. GOE identifies general locations for charging stations, while the specific sites, which meet GOE requirements as set forth in the appendix on page 27, are selected by subgrantees. Electrify America is also investing in charging stations along I-80 and I-15. NEH subgrantees may not use funds for projects in locations where EV charging has already been installed.

GOE subgrantees must install infrastructure within Nevada and along one of the five targeted corridors. NEH projects proposed along one of the planned FAST Act corridors must either be built at one of the locations shown in this report or within 50 miles of the next site, and no further than five miles from the highway.

## REV WEST

REV West was established by eight intermountain west governors signing a [memorandum of understanding \(MOU\) on October 12, 2017](#). Signatory states include Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming. The MOU established a framework for creating an intermountain west EV corridor network that will lessen range anxiety and make regional travel possible for EV drivers across the west.

In [December 2019, the eight signatory states updated the REV West MOU](#), recommitting to this regional work. The updated MOU, signed by Governor Sisolak, strengthened this collaboration and detailed the path to continue work toward the buildout of an intermountain west EV corridor. The MOU also summarized REV West's progress to date, outlined the activities the signatory states intend to undertake, and identified an implementation process.

The MOU outlines, among other goals, consumer and fleet manager awareness, EV charging station coordination to avoid redundancy and optimize user experiences, minimum standards for EV charging stations, infrastructure planning to incorporate renewable energy generation and building codes.



# REV WEST

Finally, in December 2020, [the REV West partnership released a progress report](#) highlighting the work since the initial formation in 2017. Highlights of this report include:

- More than 100 DC fast-charging stations built by private and public sectors, with at least 75 additional stations in the planning phase;
- Collectively engaged the FHWA for federal support through the Alternative Fuels Corridor program, leading to nearly 1,250 miles of designated EV charging corridors, and more than 7,500 miles of “corridor pending” highways;
- Electric Vehicle Policy Baseline for the Intermountain States Report (October 2018);
- Voluntary Minimum Standards for DCFC stations report (December 2019);
- Leveraged DOE SEP funds and other sources to enhance coordination between State Energy Offices and transportation agencies on:
  - Addressing regulatory barriers to EV station development and signage;
  - Identifying infrastructure gaps;
  - Developing DC fast-charging station analysis maps for internal planning;
  - Exchanging model EV programs and sharing strategies for EV program design;
- Obtained DOE funding as part of the Corridors for the West (CORWest) grant led by the Utah Clean Cities Coalition, which identifies barriers to EV adoption and supports infrastructure deployment in rural and remote areas, while engaging key stakeholders and increasing public awareness; and
- Enhanced state engagement with electric service providers as partners on infrastructure development.



*Governor Steve Sisolak charges an electric vehicle at the ribbon cutting of Mesquite's NEH charging station that completes the I-15 corridor in Nevada. Also, pictured is Mendis Cooper (left), Manager of Overton Power District No. 5 and Doug Cannon (right), NV Energy, President and CEO. January 2020. Source: Nevada Department of Transportation*



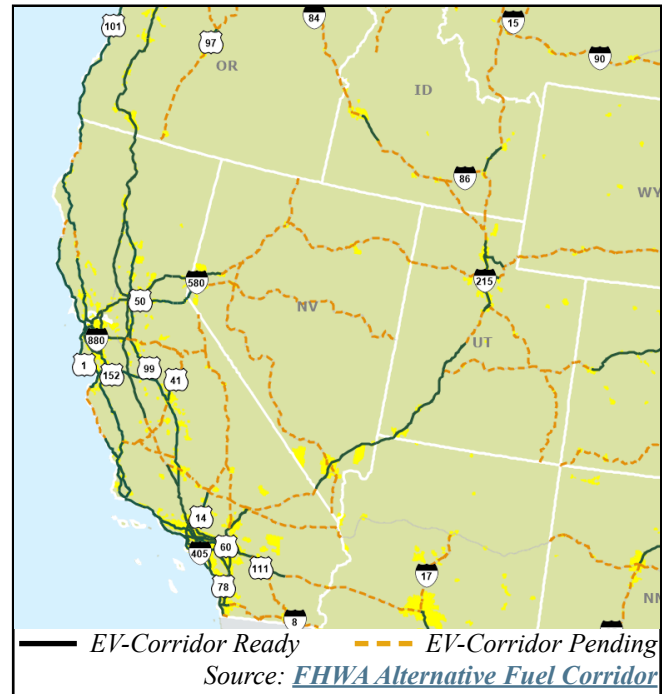


# FHWA ALTERNATIVE FUELS

The U.S. DOT's FHWA administers the Alternative Fuel Corridors program. Under the Fixing America's Surface Transportation Act (FAST Act), the Alternative Fuel Corridors program provides a national framework for alternative fueling and EV charging. The Alternative Fuel Corridors program includes the following fuel/technologies: electric vehicles, hydrogen, propane, liquid natural gas, and/or compressed natural gas.

The program:

- provides the opportunity for annual corridor designations on an annual basis;
- ensures that corridor designations are selected based on criteria that promote the build out of a national network for the designated fuel type;
- develops national signage and branding to help catalyze applicant and public interest;
- encourages multi-state and regional cooperation and collaboration; and,
- brings together a consortium of stakeholders including state agencies, utilities, alternative fuel providers, and car manufacturers to promote and advance these corridor designations in conjunction with DOE.



FHWA has hosted four rounds of Alternative Fuel Corridor Designations leading to the designation of approximately 145,000 miles of the National Highway System (all fuels combined). FHWA currently is seeking nominations for the fifth and final round of the program. Those nominations were due in late February 2021. Nevada, through the Nevada DOT and in consultation with GOE, has nominated US 95, I-80, I-15, US 50, I-580, and SR 28 around Lake Tahoe. Designations have been completed for I-15, I-58, and SR 28. The FHWA Alternative Fuel Corridor program also authorizes state DOTs to place alternative fuel corridor signage along a corridor after it is completed.

While Nevada has nominated its major highways for Alternative Fuel Corridor designations, current FHWA requirements present barriers unique to the West. FHWA's maximum distance of 50 miles between charging stations is challenging for the vast unpopulated areas of western states where power and other needed infrastructure (such as restrooms) are not available. Installation of EV charging stations at state rest stops offer a solution. However, FHWA prohibits fees for EV charging at these facilities limiting private investment options. Seeking solutions to these challenges remains a federal advocacy priority for Nevada and its intermountain west neighbors to ensure the region is not excluded in future funding potentially connected to Alternative Fuel Corridors.

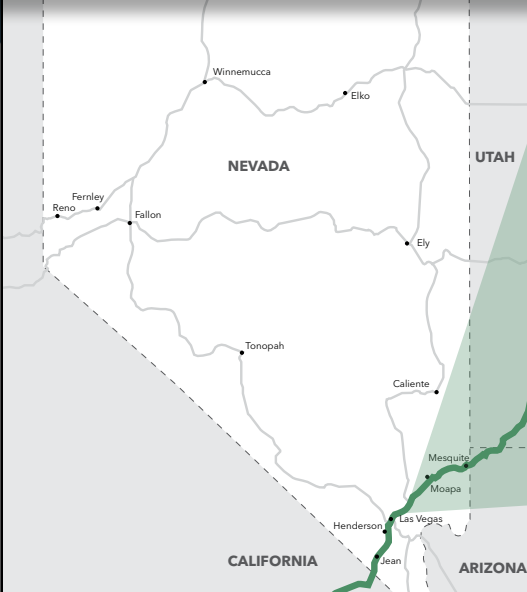
In January 2020, Governor Sisolak of Nevada hosted a ribbon cutting ceremony in Mesquite, Nevada to commemorate the work completed by the state, energy service providers and private partners to complete the build out all the necessary EV charging equipment for the I-15 corridor to be completed and signs to be placed.



## Governor's Office of Energy

# NEVADA ELECTRIC HIGHWAY: I-15

I-15 has been designated an **Alternative Fuel Corridor** by the U.S. DOT FHWA.



## MESQUITE - Eagles Landing Flying J Truck Stop (Overton Power District No.5)

1057 S. Lower Flat Top Dr. | Mesquite, NV 89027

- Distance to adjacent stations:** 33 miles (Moapa)
- Date online:** October 2019 (reflected in totals below)
- Network:** Greenlots
- Equipment:** 3 DCFC
- Connectors:** CHAdeMO, CCS/SAE
- Total Project Cost:** \$131,380
- GOE:** \$131,380
- 3-year warranty

### Amenities



TOTAL SESSIONS	TOTAL ENERGY
99	756.1 kWh

AP Nevada marks opening of I-15 electric vehicle charging sites



LAS VEGAS (AP) — Interstate 15 become the first route in the U.S. charging stations available at least Nevada Gov. Steve Sisolak marked agencies, utilities and private indu Mesquite, some 80 miles (129 kilo A similar facility opened in Novem Vegas.



**Governor's Office of Energy**




# NEVADA ELECTRIC HIGHWAY: I-15



**JEAN - Terrible Herbst Chevron**  
(NV Energy)  
22625 NV-161 (State Hwy 161) | Jean, NV 89019

**Distance to adjacent stations:** 30.9 miles (Las Vegas)  
**Date online:** September 2019 (reflected in totals below)  
**Network:** BTC  
**Equipment:** 2 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost:** \$148,745  
NV Energy (utility partner): \$111,559  
GOE: \$37,186

**Amenities**  


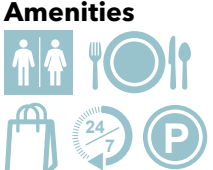
2-year warranty

TOTAL SESSIONS	TOTAL ENERGY
101	1121.20 kWh

**MOAPA - ARCO AM/PM**  
(Overton Power District No.5)  
2300 Glendale Blvd. | Moapa, NV 89025

**Distance to adjacent stations:** 27 miles (Mesquite), 38 miles (Las Vegas - Motel 6)  
**Date online:** October 2019 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost:** \$143,591  
GOE: \$143,591

3-year warranty

**Amenities**  


TOTAL SESSIONS	TOTAL ENERGY
79	848.21 kWh

**MOTEL 6 - Motor Speedway** (NV Energy)  
6585 Speedway Blvd. | Las Vegas, NV 89115

**Estimated date online:** June 30, 2021  
**Distance to adjacent stations:** 11 miles (Las Vegas), 38 miles (Moapa), 84 miles (Alamo)  
**Network:** EV Connect  
**Equipment:** 2 DCFC, 2 Level 2 chargers  
**Connectors:** CHAdeMO, CCS/SAE, J-1772

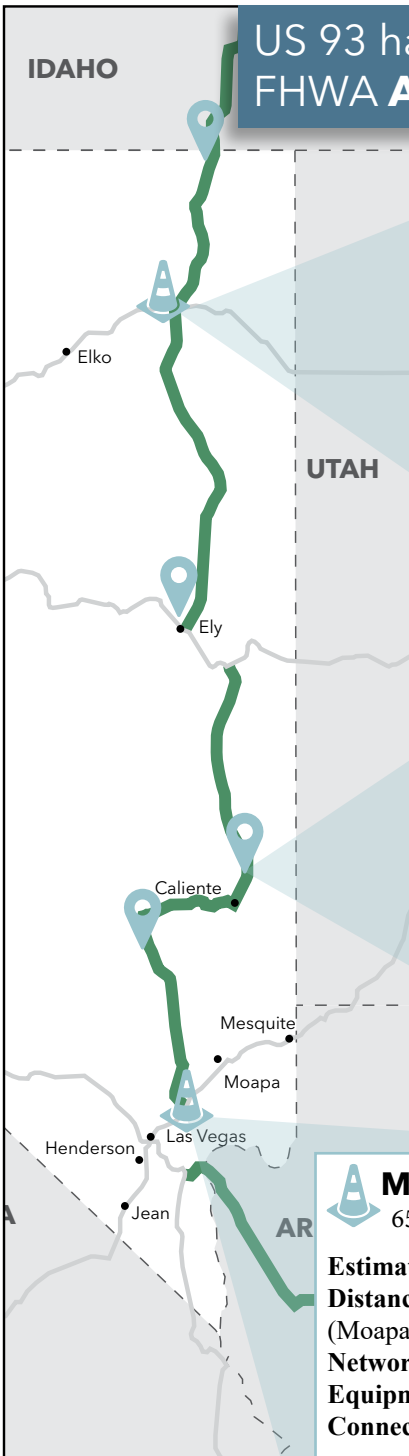
**Total Project Cost:** \$ 322,188 estimated  
NV Energy (utility partner): \$ 241,641  
GOE: \$80,547

*\*Note: this site is also listed on US 93 on page 12.*



# NEVADA ELECTRIC HIGHWAY: US93

US 93 has been nominated for U.S. DOT FHWA **Alternative Fuel Corridor** status.



## **WELLS - City of Wells** (Wells Rural Electric) 1222 Sixth St. | Wells, NV 89835

**Distance to adjacent stations:** 51 miles (Elko), 5 miles (West Wendover), 67 miles (Jackpot), 138 miles (Ely)  
**Estimated date online:** June 2021  
**Network:** Greenlots  
**Equipment:** 2 DCFC, 2 Level 2 chargers  
**Connectors:** CHAdeMO, CCS/SAE, J-1772  
**Total Project Cost: \$300,000**

*\*Note: this site is also listed on I-80 on page 23.*

## **PANACA - Y service Garage** (Lincoln County Power District #1) 3 US 93 | Panaca, NV 89042

**Distance to adjacent stations:** 70 miles (Alamo), 188 miles (Ely)  
**Date online:** December 2020 (reflected in totals below)  
**Network:** Chargepoint  
**Equipment:** 1 DCFC, 2 Level 2 chargers  
**Connectors:** CHAdeMO, CCS/SAE, J-1772  
**Total Project Cost: \$128,902**  
 Lincoln County Power District (utility partner): \$87,603  
 GOE: \$41,299

### Amenities



1-year warranty

TOTAL SESSIONS	TOTAL ENERGY
121	2,424.27 kWh

## **MOTEL 6 - Motor Speedway** (NV Energy) 6585 Speedway Blvd. | Las Vegas, NV 89115

**Estimated date online:** June 30, 2021  
**Distance to adjacent stations:** 11 miles (Las Vegas), 38 miles (Moapa), 84 miles (Alamo)  
**Network:** EV Connect  
**Equipment:** 2 DCFC, 2 Level 2 chargers  
**Connectors:** CHAdeMO, CCS/SAE, J-1772

**Total Project Cost: \$ 322,188 estimated**  
 NV Energy (utility partner): \$ 241,641  
 GOE: \$80,547

*\*Note: this site is also listed on I-15 on page 11.*



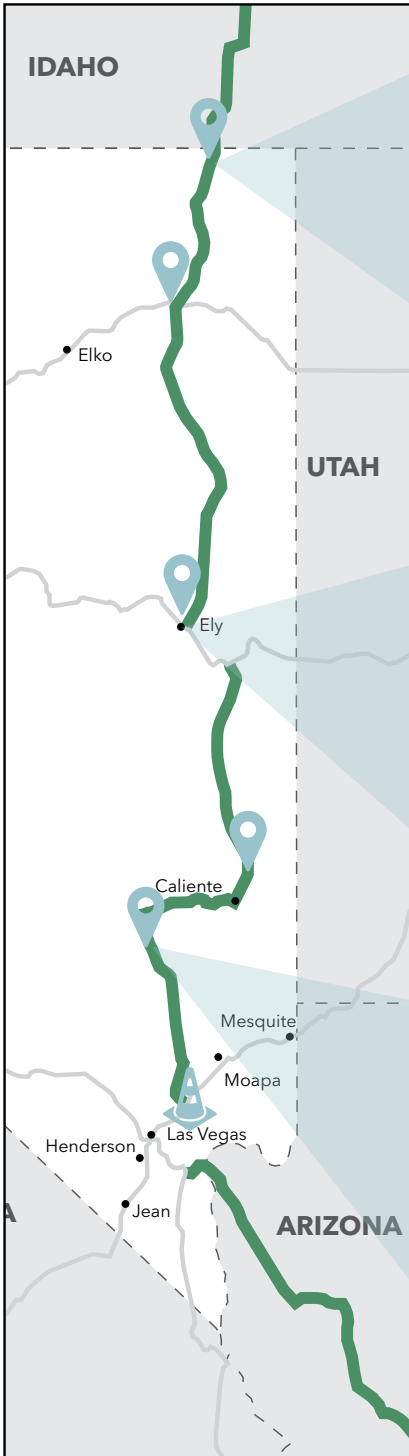
Sen. Catherine Cortez Masto visiting the Panaca station. Source: Sen. Catherine Cortez Masto.



## Governor's Office of Energy



# NEVADA ELECTRIC HIGHWAY: US93



## **JACKPOT - Cactus Pete's Resort Casino**

(Raft River Rural Electric Cooperative)

1385 US 93 | Jackpot, NV 89825

**Distance to adjacent stations:** 67 miles (Wells)

**Date online:** December 2020 (reflected in totals below)

**Network:** EV, Gateway

**Equipment:** 1 DCFC, 2 Level 2 chargers

**Connectors:** CHAdeMO, SAE/CSS, J-1772

**Total Project Cost:** \$149,999

5-year warranty

### Amenities



TOTAL SESSIONS	TOTAL ENERGY
62	716.93 kWh

## **ELY - R Place (Mt. Wheeler Power)**

1690 Great Basin Blvd. | Ely, NV 89301

**Distance to adjacent stations:** 62 miles (Baker), 78 miles (Eureka), 118 miles (Panaca), 138 miles (Wells)

**Date online:** March 2020 (reflected in totals below)

**Network:** Greenlots

**Equipment:** 1 DCFC, 2 Level 2 chargers

**Connectors:** CHAdeMO, CCS/SAE, J-1772

**Total Project Cost:** \$176,619

5-year warranty

### Amenities



*\*Note: this site is also listed on US 50 on page 20.*

TOTAL SESSIONS	TOTAL ENERGY
93	1,309.3 kWh

## **ALAMO - Great Basin Hwy Parking/Charging**

(Lincoln County Power District #1)

37 US 93 | Alamo, NV 89001

**Distance to adjacent stations:** 70 miles (Panaca), 84 miles (Las Vegas - Motel 6)

**Date online:** January 2020 (reflected in totals below)

**Network:** Greenlots

**Equipment:** 2 DCFC

**Connectors:** CHAdeMO, CCS/SAE

**Total Project Cost:** \$232,526 | GOE: \$207,526

3-year warranty

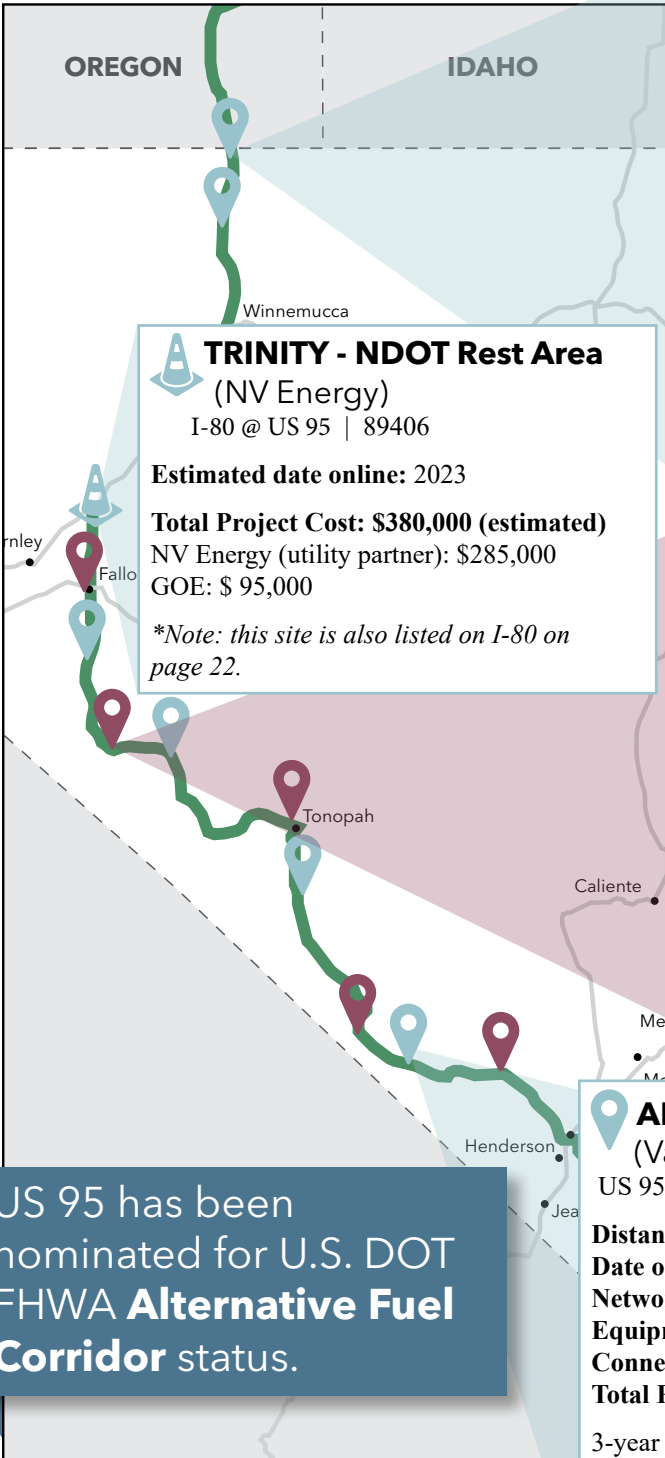
### Amenities



TOTAL SESSIONS	TOTAL ENERGY
75	1,269.18 kWh



# NEVADA ELECTRIC HIGHWAY: US95



**TRINITY - NDOT Rest Area**  
(NV Energy)  
I-80 @ US 95 | 89406

**Estimated date online:** 2023

**Total Project Cost: \$380,000 (estimated)**  
NV Energy (utility partner): \$285,000  
GOE: \$ 95,000

*\*Note: this site is also listed on I-80 on page 22.*

**MCDERMITT - Quinn River Market**  
(Harney Electric)  
195 US 95 | McDermitt, NV 89421

**Distance to adjacent stations:** 30 miles (Orovada)  
**Date online:** January 2020 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost: \$150,000**

5-year warranty

**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
194	2,403.38 kWh

**HAWTHORNE - NDOT Rest Area** (NV Energy)  
425 10th St. | Hawthorne, NV 89415

**Distance to adjacent stations:** 26 miles (Luning), 32 miles (Schurz)  
**Date online:** May 2018 (reflected in totals below)  
**Network:** Chargepoint  
**Equipment:** 1 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$179,763**  
NDOT: \$179,763

2-year warranty

**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
260	2,829.33 kWh

**AMARGOSA VALLEY - NDOT Rest Area**  
(Valley Electric Association)  
US 95 & SR 373 Junction | Amargosa Valley, NV 89020

**Distance to adjacent stations:** 30 miles (Beatty), 45 miles (Indian Springs)  
**Date online:** April 2020 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** 1 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$300,000**

3-year warranty

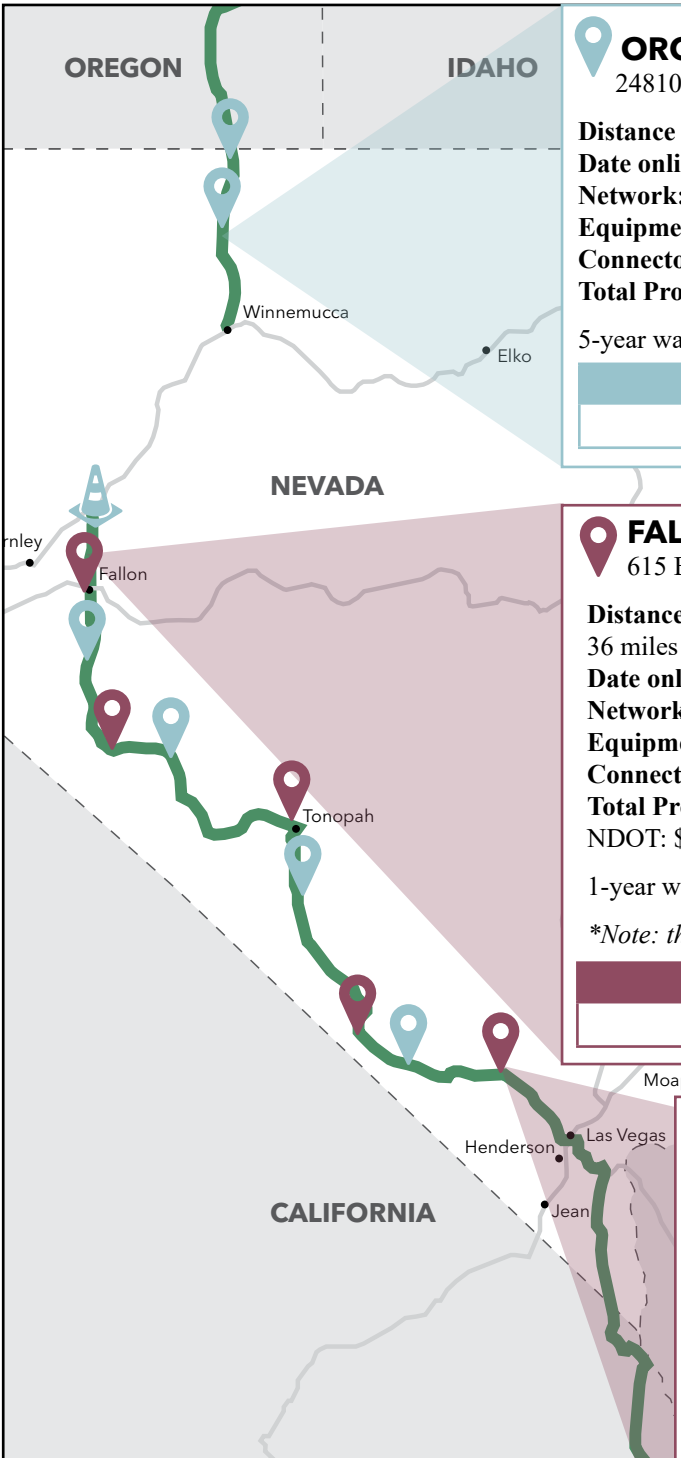
**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
103	1,098.7 kWh

US 95 has been nominated for U.S. DOT FHWA **Alternative Fuel Corridor** status.



# NEVADA ELECTRIC HIGHWAY: US95



**OROVADA - Sawtooth Station** (Harney Electric)  
24810 US 95 | Orovada, NV 89425

**Distance to adjacent stations:** 30 miles (McDermitt), 45 miles (Winnemucca)  
**Date online:** February 2020 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost:** \$150,000

**Amenities**

5-year warranty

TOTAL SESSIONS	TOTAL ENERGY
34	157.17 kWh

**FALLON - Fox Peak Station** (NV Energy)  
615 E. Williams Ave. | Fallon, NV 89406

**Distance to adjacent stations:** 27 miles (Silver Springs), 33 miles (Trinity), 36 miles (Schurz), 47 miles (Middlegate)  
**Date online:** November 2016 (reflected in totals below)  
**Network:** Chargepoint  
**Equipment:** 1 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost:** \$179,763  
 NDOT: \$179,763

**Amenities**

1-year warranty

*\*Note: this site is also listed on US 50 on page 19.*

TOTAL SESSIONS	TOTAL ENERGY
528	10,393.15 kWh

**INDIAN SPRINGS - Terrible Herbst**  
(NV Energy)  
148 MacFarland Ave. | Indian Springs, NV 89018

**Distance to adjacent stations:** 32 miles (Las Vegas), 44 miles (Amargosa Valley)  
**Date online:** June 2020 (reflected in totals below)  
**Network:** BTC  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost:** \$148,746

**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
82	430.9 kWh





# NEVADA ELECTRIC HIGHWAY: US95



## LAS VEGAS REVIEW-JOURNAL

### First US 95 electric car charging station opens in Beatty



Charging an electric car



By Richard N. Velotta Las Vegas Review-Journal  
February 8, 2016 - 5:02 pm



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The first of four electric car charging stations along U.S. Highway 95 between Las Vegas and Reno has opened and sites have been identified for the other three.

#### **BEATTY - Stagecoach Hotel and Casino** (Valley Electric Association)

900 E. US 95 | Beatty, NV 89403

**Distance to adjacent stations:** 30 miles (Amargosa Valley), 66 miles (Goldfield)

**Date online:** February 2016 (reflected in totals below)

**Network:** Chargepoint

**Equipment:** 1 DCFC, 2 Level 2 chargers

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost:** \$133,290

GOE: \$15,000

Valley Electric Association (utility partner): \$118,290

#### Amenities

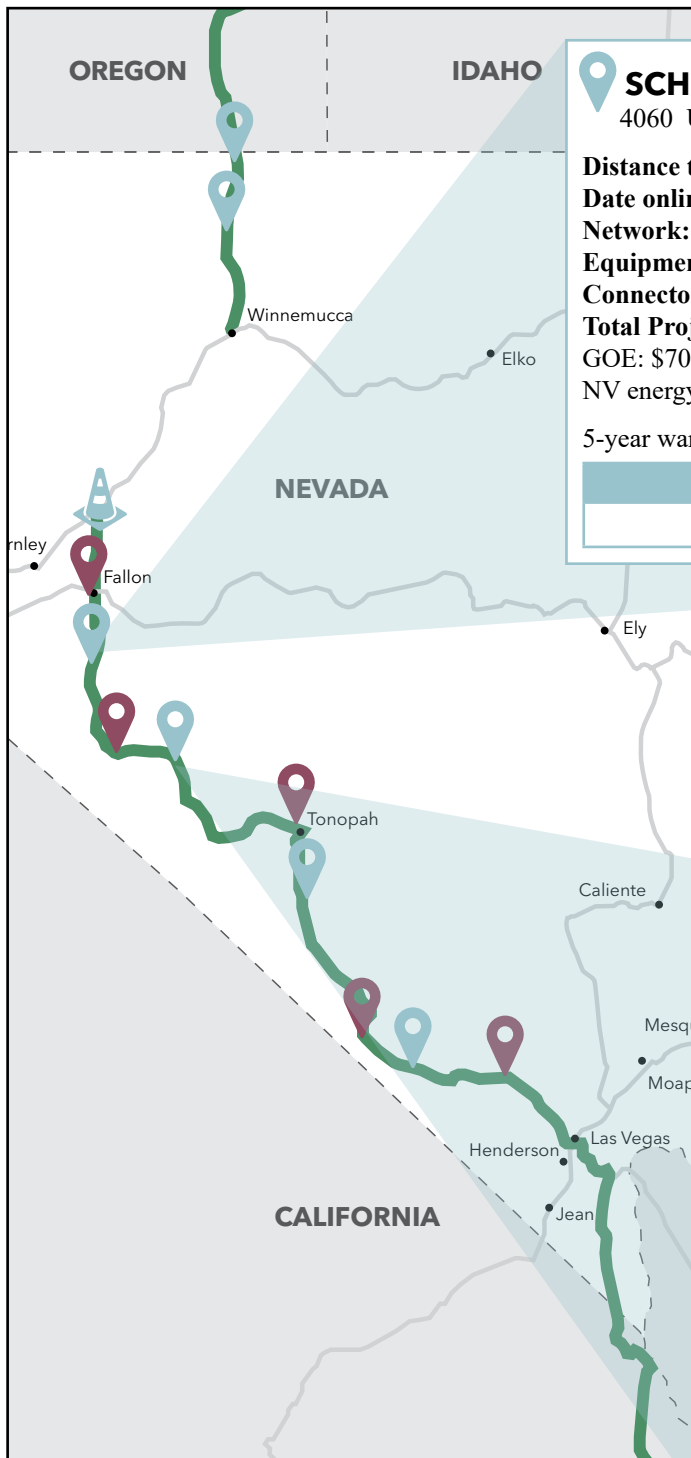


TOTAL SESSIONS	TOTAL ENERGY
752	9,069.82 kWh



## Governor's Office of Energy

# NEVADA ELECTRIC HIGHWAY: US95



## **SCHURZ - Four Seasons Smoke Shop** (NV Energy) 4060 US 95 | Schurz, NV 89427

**Distance to adjacent stations:** 34 miles (Hawthorne), 38 miles (Fallon)

**Date online:** October 2020 (reflected in totals below)

**Network:** EV Connect

**Equipment:** 2 DCFC, 2 Level 2 chargers

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost:** \$ 282,934

GOE: \$70,734

NV energy (utility partner): \$212,200

5-year warranty

### Amenities



TOTAL SESSIONS	TOTAL ENERGY
9	193.82 kWh



Source: NV Energy

## **LUNING - Luning Trading Post** (NV Energy) 300 Plymire St. | Luning, NV 89420

**Distance to adjacent stations:** 34 miles (Hawthorne), 71 miles (Tonopah)

**Date online:** August 2020 (reflected in totals below)

**Network:** EV Connect

**Equipment:** 2 DCFC, 2 Level 2 chargers

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost:** \$263,754

GOE: \$65,939

NV Energy (utility partner): \$197,815

5-year warranty

### Amenities

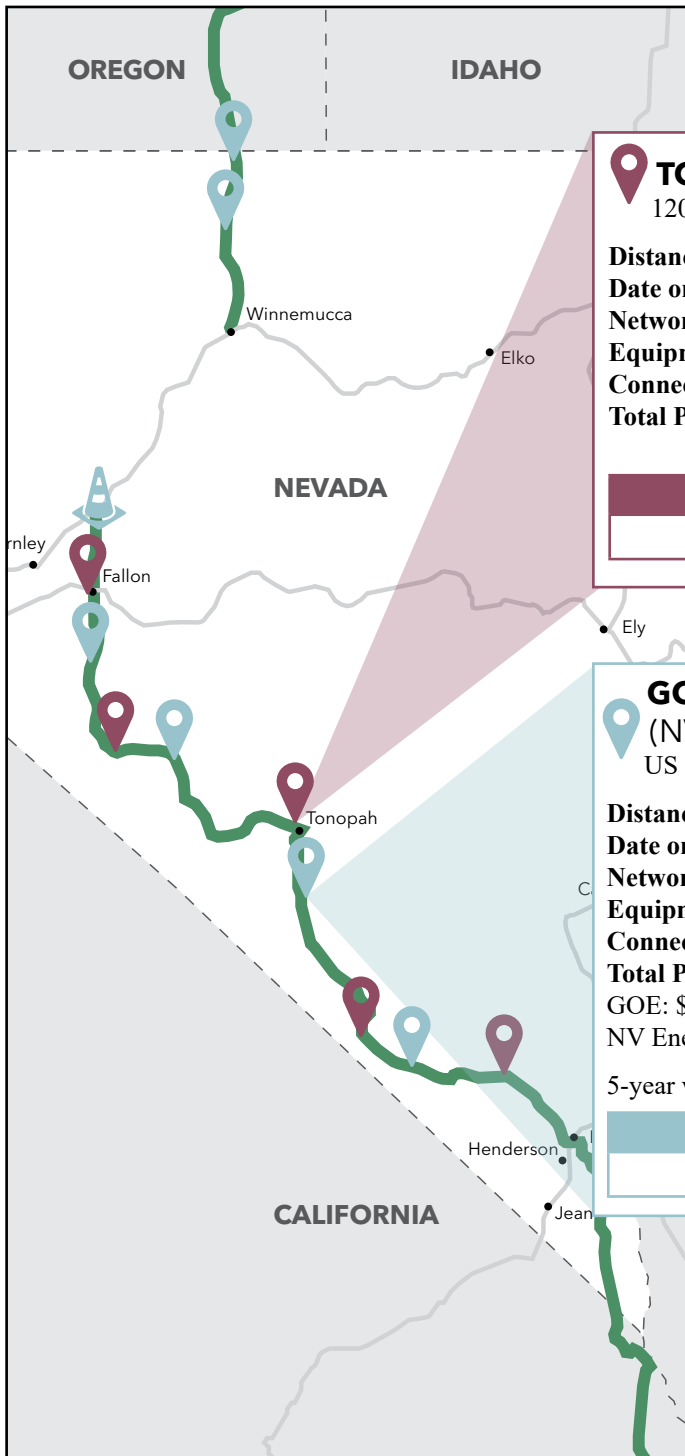


TOTAL SESSIONS	TOTAL ENERGY
9	175.5 kWh



## Governor's Office of Energy

# NEVADA ELECTRIC HIGHWAY: US95



**TONOPAH - Tonopah Rest Area** (NV Energy)  
 1200 S. Main St. | Tonopah, NV 89049

**Distance to adjacent stations:** 26 miles (Goldfield), 79 miles (Luning)  
**Date online:** May 2019 (reflected in totals below)  
**Network:** Chargepoint  
**Equipment:** 1 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost (NDOT): \$609,224**

**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
413	3,854.57 kWh

**GOLDFIELD - Esmeralda County Visitor Center**  
 (NV Energy)  
 US 95 | Goldfield, NV 89013

**Distance to adjacent stations:** 26 miles (Tonopah), 66 miles (Beatty)  
**Date online:** December 2020 (reflected in totals below)  
**Network:** EV Connect  
**Equipment:** 2 DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$297,114**  
 GOE: \$74,280  
 NV Energy (utility partner): \$222,834  
 5-year warranty

**Amenities**

TOTAL SESSIONS	TOTAL ENERGY
3	58.94 kWh





# NEVADA ELECTRIC HIGHWAY: US50

US 50 has been nominated for U.S. DOT FHWA **Alternative Fuel Corridor** status.

## SILVER SPRINGS - Nugget Casino (NV Energy)

1280 US 50 | Silver Springs, NV 89429

**Distance to adjacent stations:** 27 miles (Fallon) 36 miles (Carson City)

**Date online:** February 2021

**Network:** EV Connect

**Equipment:** 2 DCFC, 2 Level 2 chargers

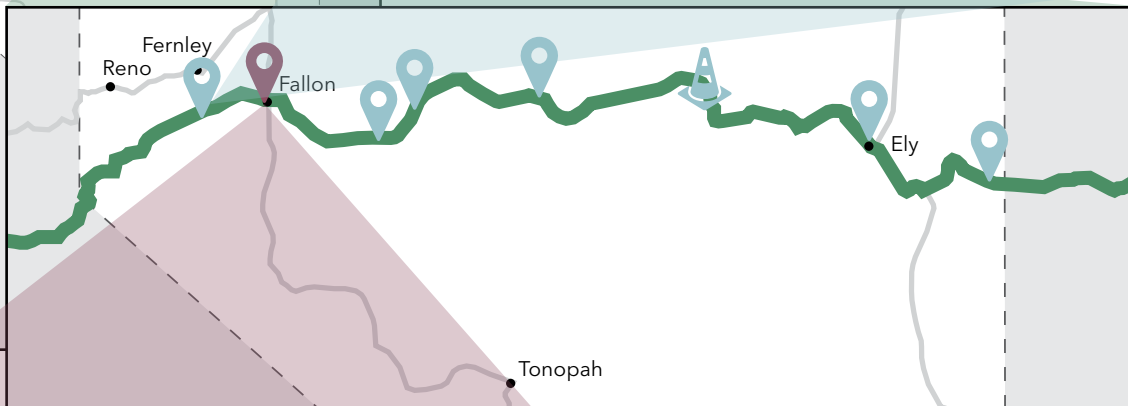
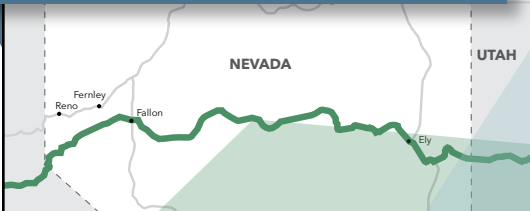
**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost: \$242,702**

GOE: \$60,676

NV Energy (utility partner): \$ 182,027

### Amenities



## FALLON - Fox Peak Station (NV Energy)

615 E. Williams Ave. | Fallon, NV 89406

**Distance to adjacent stations:** 38 miles (Schurz)

**Date online:** November 2016 (reflected in totals below)

**Network:** Chargepoint

**Equipment:** 1 DCFC, 2 Level 2 chargers

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost: \$179,763**

NDOT: \$179,763

1-year warranty

### Amenities



*\*Note: this site is also listed on US 95 on page 15.*

TOTAL SESSIONS	TOTAL ENERGY
528	10,393.15 kWh



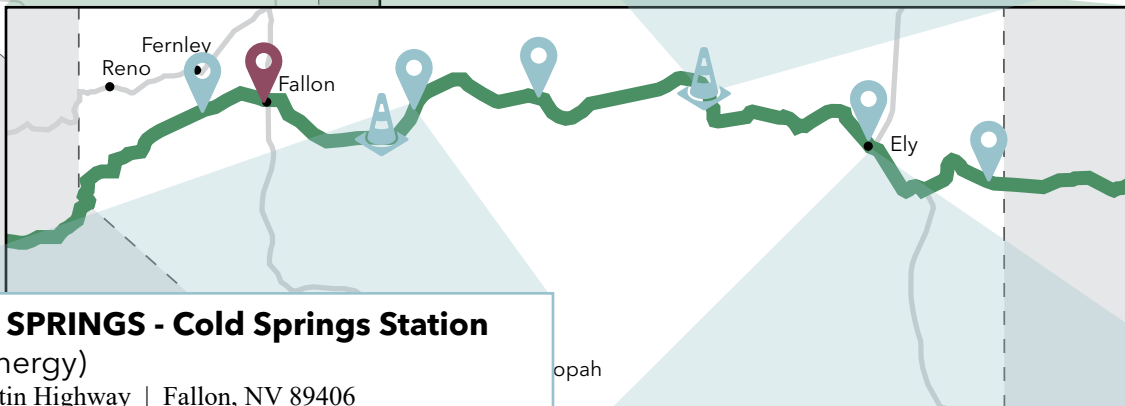
**Governor's Office of Energy**

# NEVADA ELECTRIC HIGHWAY: US50



**EUREKA** (Mt. Wheeler Power)  
110 S. Main St. | Eureka, NV 89316

**Distance to adjacent stations:** 70 miles (Austin), 78 miles (Ely)  
**Estimated date online:** June 2021  
**Network:** Greenlots  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost: \$248,000**  
5-year warranty



## **COLD SPRINGS - Cold Springs Station** (NV Energy)

52300 Austin Highway | Fallon, NV 89406

**Distance to adjacent stations:** 14 miles (Middlegate), 49 miles (Austin)  
**Date online:** August 2020 (reflected in totals below)  
**Network:** EV Connect  
**Equipment:** 2 DCFC, 1 Level 2 charger  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$288,331**  
GOE: \$72,083  
NV Energy (utility partner): \$216,248  
5-year warranty

### Amenities



TOTAL SESSIONS	TOTAL ENERGY
4	68.65 kWh



## **ELY - R Place Shell Station** (Mt. Wheeler Power)

1690 Great Basin Blvd. | Ely, NV 89301

**Distance to adjacent stations:** 61 miles (Baker), 77 miles (Eureka)  
**Date online:** March 2020 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** DCFC, 2 Level 2 chargers  
**Connectors:** CHAdeMO, CCS/SAE, J-1772  
**Total Project Cost: \$176,619**  
5-year warranty

### Amenities




\*Note: this site is also listed on US 93 on page 13.

TOTAL SESSIONS	TOTAL ENERGY
93	1,309.3 kWh

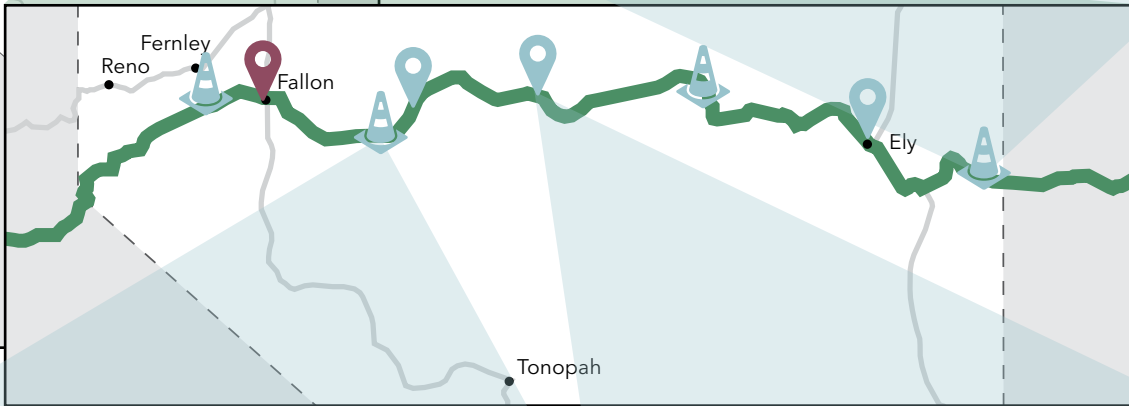



# NEVADA ELECTRIC HIGHWAY: US50




**BAKER - Border Inn Casino**  
 Mt. Wheeler Power  
 NV/UT border US 50 | Baker, NV 89311

**Distance to adjacent stations:** 62 miles (Ely)  
**Estimated date online:** June 2021  
**Network:** BTC  
**Equipment:** 2 DCFC  
**Connectors:** CHAdeMO, CCS/SAE  
**Total Project Cost: \$315,200**  
 5-year warranty




 **MIDDLEGATE - Middlegate Station**  
 (NV Energy)  
 42500 Austin Highway | Fallon, NV 89406

**Distance to adjacent stations:** 14 miles (Cold Springs),  
 47 miles (Fallon)  
**Estimated date online:** March 2020  
**Network:** Freewire  
**Equipment:** DCFC, 2 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$600,000**  
 GOE: \$225,000  
 NV Energy (utility partner): \$ 375,000

 **AUSTIN - Champ's Fuel Chevron**  
 (NV Energy)  
 30 Main St. | Austin, NV 89310

**Distance to adjacent stations:** 48 miles (Cold Springs),  
 70 miles (Eureka)  
**Date online:** July 2020 (reflected in totals below)  
**Network:** EV Connect  
**Equipment:** 2 DCFC, 1 Level 2 chargers  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost: \$298,067**  
 GOE: \$74,517  
 NV Energy (utility partner):  
 \$223,550

**Amenities**  


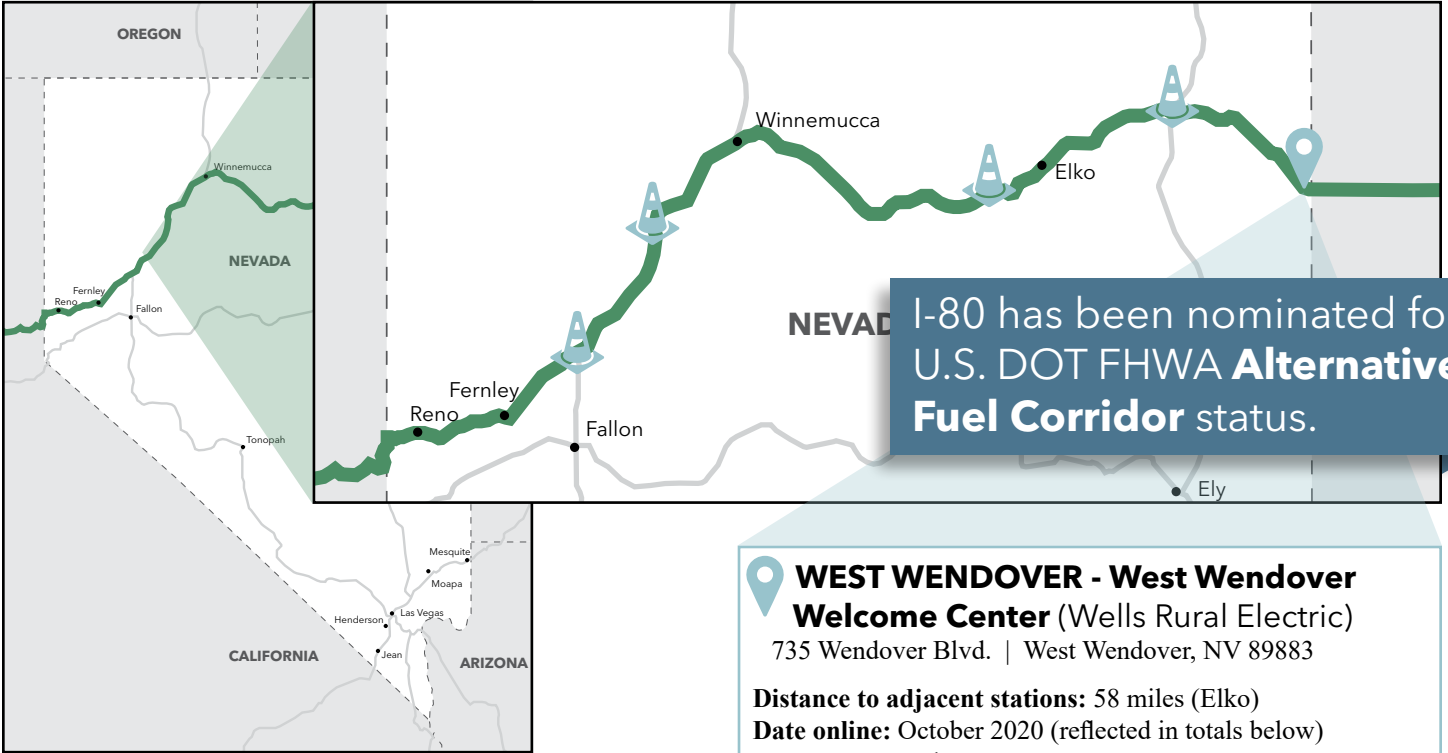
5-year warranty

TOTAL SESSIONS	TOTAL ENERGY
33	894.83 kWh





# NEVADA ELECTRIC HIGHWAY: I-80



**WEST WENDOVER - West Wendover Welcome Center** (Wells Rural Electric)  
 735 Wendover Blvd. | West Wendover, NV 89883

**Distance to adjacent stations:** 58 miles (Elko)  
**Date online:** October 2020 (reflected in totals below)  
**Network:** Greenlots  
**Equipment:** 1 DCFC, 1 Level 2 charger  
**Connectors:** J-1772, CHAdeMO, CCS/SAE  
**Total Project Cost:** \$243,900  
 3-year warranty

**Amenities**

- Restroom
- Food service
- Bed
- EV charging station

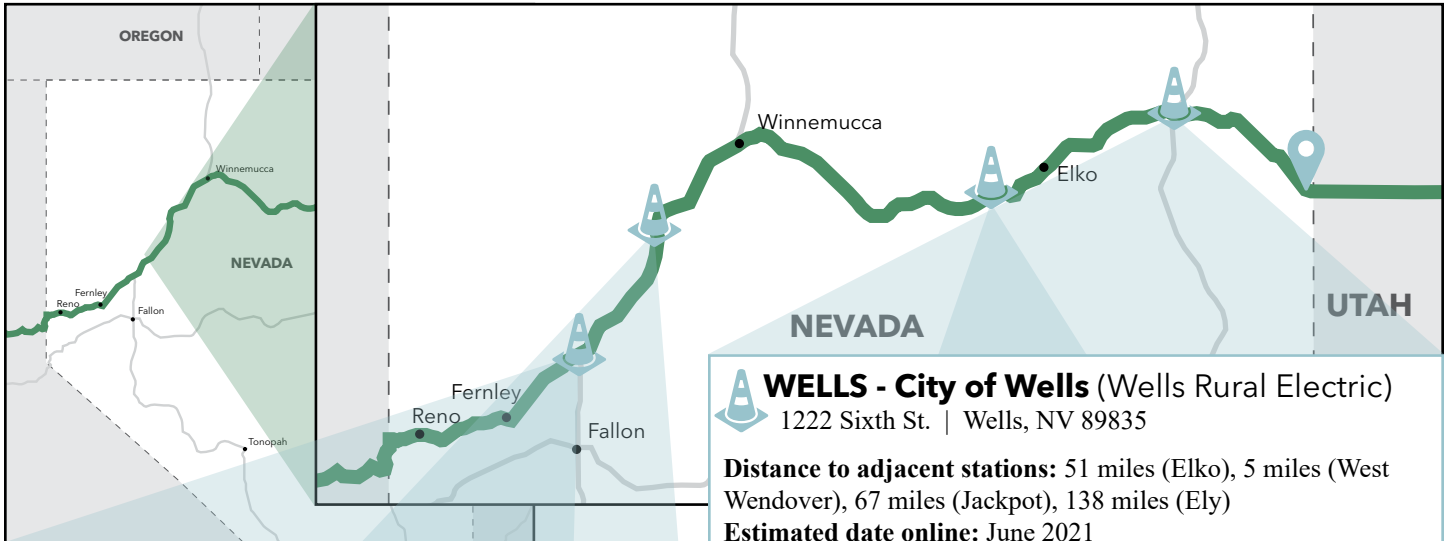
TOTAL SESSIONS	TOTAL ENERGY
17	281 kWh



Source: Wells Rural Electric



# NEVADA ELECTRIC HIGHWAY: I-80



## TRINITY - NDOT Rest Area (NV Energy)

I-80 @ US 95 | 89406

**Estimated date online:** 2023

**Total Project Cost: \$380,000 (estimated)**

NV Energy (utility partner): \$285,000

GOE: \$ 95,000

*\*Note: this site is also listed on US 95 on page 14.*



## WELLS - City of Wells (Wells Rural Electric)

1222 Sixth St. | Wells, NV 89835

**Distance to adjacent stations:** 51 miles (Elko), 5 miles (West Wendover), 67 miles (Jackpot), 138 miles (Ely)

**Estimated date online:** June 2021

**Network:** Greenlots

**Equipment:** 2 DCFC, 2 Level 2 chargers

**Connectors:** CHAdeMO, CCS/SAE, J-1772

**Total Project Cost: \$300,000**

*\*Note: this site is also listed on US 93 on page 12.*



## RYE PATCH - Rye Patch State Park (NV Energy)

2505 Rye Patch Reservoir Rd. | Lovelock, NV 89419

**Distance to adjacent stations:** 25 miles (Lovelock), 49 miles (Winnemucca)

**Estimated date online:** June 2021

**Network:** Greenlots

**Equipment:** 2 DCFC, 1 Level 2 charger

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost: \$300,000**

5-year warranty



## CARLIN - Khoury's Market (Wells Rural Electric)

730 10th St. | Carlin, NV 89822

**Distance to adjacent stations:** 21 miles (Elko), 52 miles (Battle Mountain)

**Estimated date online:** June 2021

**Network:** Greenlots

**Equipment:** 1 DCFC, 1 Level 2 chargers

**Connectors:** J-1772, CHAdeMO, CCS/SAE

**Total Project Cost: \$300,000**

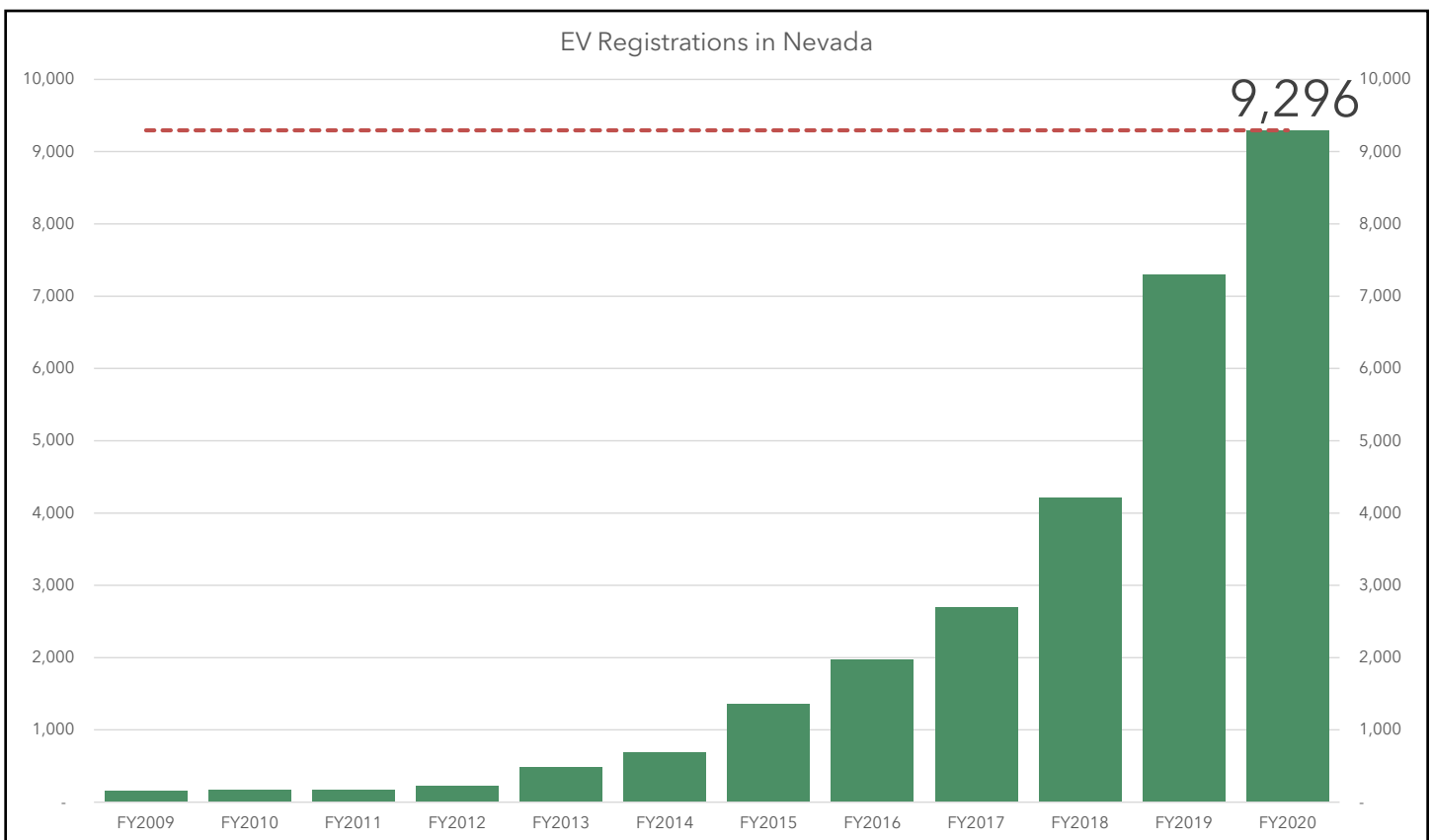
5-year warranty



## Governor's Office of Energy

# APPENDIX: EV REGISTRATIONS

NEH provides the opportunity for Nevada's EV drivers to enjoy the State's tourism opportunities, as Nevada continues to see steady growth of all EVs entering into the market. While EVs represent less than one percent of the total vehicle registration in Nevada, this graph shows a solid trend of growth in the EV market while Nevada continues to invest in the EV charging infrastructure to support these drivers. Source: Nevada DMV (Sept. 2020)





# APPENDIX: NEH SITES LISTED

Corridors and General Site Locations (April 2018, modified February 2021).

SITE	CORRIDOR	APPROXIMATE LOCATION	UTILITY	FAST ACT	2021 STATUS
1	I-15	Primm	NV Energy	Yes	Built in Jean
2	I-15	I-15 / U.S. 93 Jct.	NV Energy	Yes	In-Progress
3	I-15	Moapa	Overton Power District	Yes	Built
4	I-15	Mesquite	Overton Power District	Yes	Built
5	I-80	Fernley	NV Energy	Yes	Removed - built by Electrify America
6	I-80	I-80 / U.S. 95 Jct.	NV Energy	Yes	Under evaluation
7	I-80	Lovelock	NV Energy	Yes	Removed - built by Electrify America
8	I-80	Mill City / Imlay	NV Energy	Yes	In-progress at Rye Patch State Park
9	I-80	Winnemucca	NV Energy	Yes	Removed - built by Electrify America
10	I-80	Valmy	NV Energy	Yes	Removed - no viable host site
11	I-80	Battle Mountain	NV Energy	Yes	Removed - built by Electrify America
12	I-80	Carlin	Wells Rural Electric Company	Yes	In-progress
13	I-80	Elko	NV Energy	Yes	Removed - built by Electrify America
14	I-80	Wells	Wells Rural Electric Company	Yes	Built
15	I-80	Oasis	Wells Rural Electric Company	Yes	Removed - FHWA Exemption Sought
16	I-80	West Wendover	Wells Rural Electric Company	Yes	Built
17	U.S. 95	Schurz	NV Energy	Yes	Built
18a	U.S. 95	Luning	NV Energy	Yes	Built
18b	U.S. 95	Mina	NV Energy	Yes	Removed - built at Luning
19	U.S. 95	Coaldale	NV Energy	Yes	Removed - no viable host site
20	U.S. 95	Goldfield	NV Energy	Yes	Built



# APPENDIX: NEH SITES LISTED

*Corridors and General Site Locations (April 2018, modified February 2021).*

SITE	CORRIDOR	APPROXIMATE LOCATION	UTILITY	FAST ACT	2021 STATUS
21	U.S. 95	U.S. 95 / SR 267 Jct.	Valley Electric Association	Yes	Removed - no viable host site
22	U.S. 95	Amargosa Valley	Valley Electric Association	Yes	Built
23	U.S. 95	Indian Springs	NV Energy	Yes	Built
24	U.S. 50	Silver Springs	NV Energy	No	In-progress
25	U.S. 50	Middlegate	NV Energy	No	Under evaluation
26	U.S. 50	Cold Springs	NV Energy	No	Built
27	U.S. 50	Austin	NV Energy	No	Built
28	U.S. 50	U.S. 50 Rest Area		No	Removed - no electricity.
29	U.S. 50	Eureka	Mt. Wheeler Power	No	In-progress
30	U.S. 50	U.S. 50 NDOT ROW	Mt. Wheeler Power	No	Removed - no viable host site
31	U.S. 50	Ely	Mt. Wheeler Power	No	Built
32	U.S. 50	U.S. 50 / U.S. 93 Jct.	Mt. Wheeler Power	No	Removed - no viable host site
33	U.S. 50	Baker	Mt. Wheeler Power	No	In-progress
34	U.S. 93	Coyote Springs	Lincoln County Power District	No	Removed - no viable host site
35	U.S. 93	Alamo	Lincoln County Power District	No	Built
36	U.S. 93	Sunnyside	Mt. Wheeler Power	No	Removed - no viable host site
37	U.S. 93	U.S. 93 / U.S. 93A Jct.	Mt. Wheeler Power	No	Removed - no viable host site
38	U.S. 93	Jackpot	Rafter River Rural Electric Cooperative	No	Built
39	U.S. 95	Orovada	Harney Electric Cooperative	Yes	Added - built
40	U.S. 95	McDermitt	Harney Electric Cooperative	Yes	Added - built



# APPENDIX: MINIMUM REQUIREMENTS

Final project sites do not need to be in an area shown above as long as the proposed sites meet the needs of the NEH and/or FAST Act designation, substitutions will be considered. (April 2018).

ITEM	MINIMUM REQUIREMENT	OPTION NEGOTIABLE ITEMS
Electric power supply and capacity at site location	A minimum of three-phase power must be available at the site with the electric capacity of 50KW per DCFC.	Station configuration dependent: a. Back-up power generation (potential PV or battery storage) b. Ancillary support (lighting, shade structures, etc.)
Equipment access on site	The equipment must be outdoors in a location accessible to the public.	
Equipment standards	A minimum of one DCFC with both SAE/CCS and CHAdeMO connectors, plus one additional charger (DCFC or Level 2) for a minimum total of two chargers at the site.	Additional DCFC and/or up to two Level 2 (SAE J1772) chargers
Equipment warranty	A minimum of one-year warranty must be purchased.	Up to five years
Equipment network and payment options	Equipment must support an open communication protocol standard and have the ability to accept a credit or debit card without incurring any additional fees.	Up to five years network and WiFi service
Network data access	Any communication to or from the charging equipment must use an open communication protocol standard and provide direct data access to GOE that shows kWh and cost data.	
Length of service and hours of operation	The charging station must be operational for a minimum of five years with accessible hours of operation 24 hours a day, 7 days a week, 365 days a year. Sites must have a toll-free number posted on or near the charging station for customers to call for 24/7 support.	
Ownership	The ownership of the charging station will be assigned to either the subgrantee or to a host site selected by the subgrantee. If the subgrantee assigns ownership to a host site, that agreement is subject to these terms and conditions and is subject to review by GOE. The state will not be designated as an owner of the charging station.	
Operation	If the station is determined to be non-operational during the term of the length of service, GOE reserves the right to remove the equipment purchased under this agreement.	
Project location	Where designated by GOE, project must meet FAST Act compliance (<50 miles from next charging station, <5 miles from highway).	
Safety requirements	The electric vehicle charging equipment shall be certified by the Underwriters Laboratories, Inc. (UL), or equivalent safety standard.	



*In addition, GOE encouraged applicants to select charging site locations that have access to public restrooms and amenities. The hours of operation of the charging station only apply to the charging equipment, not any commercial activity at the site location. Ongoing operational and maintenance costs of the charging station will be the responsibility of the owner of the charging station.*

## Governor's Office of Energy



# APPENDIX: FUNDING BREAKDOWN

ROW LABELS	TOTAL PROJECT COSTS	VW FUNDS	GOE REF
<b>COMPLETED</b>	<b>\$4,507,497.03</b>	<b>\$1,944,926.89</b>	<b>\$337,871.04</b>
<b>Harney County Elec. Coop</b>	<b>\$300,000.00</b>	<b>\$240,000.00</b>	<b>\$60,000.00</b>
McDermitt	\$150,000.00	\$120,000.00	\$30,000.00
Orovada	\$150,000.00	\$120,000.00	\$30,000.00
<b>Lincoln County Power District</b>	<b>\$361,428.29</b>	<b>\$166,020.67</b>	<b>\$82,804.17</b>
Alamo	\$232,525.84	\$166,020.67	\$41,505.17
Panaca	\$128,902.45	\$-	\$41,299.00
<b>Mt. Wheeler Power</b>	<b>\$176,618.85</b>	<b>\$141,295.08</b>	<b>\$35,323.77</b>
Ely	\$176,618.85	\$141,295.08	\$35,323.77
<b>NDOT</b>	<b>\$788,986.67</b>	<b>\$-</b>	<b>\$-</b>
Hawthorne	\$179,763.05	\$-	\$-
Tonopah	\$609,223.62	\$-	\$-
<b>NV Energy</b>	<b>\$1,778,303.64</b>	<b>\$513,735.31</b>	<b>\$59,749.10</b>
Austin	\$298,067.13	\$74,516.78	\$-
Cold Springs	\$288,331.00	\$72,082.75	\$-
Fallon	\$87,947.32	\$-	\$30,000.00
Goldfield	\$258,131.52	\$74,280.00	\$-
Indian Springs	\$148,745.50	\$118,996.40	\$29,749.10
Jean	\$148,745.50	\$37,186.38	\$-
Luning	\$244,746.54	\$65,939.00	\$-
Schurz	\$303,589.13	\$70,734.00	\$-
<b>Overton Power District</b>	<b>\$274,971.02</b>	<b>\$219,976.82</b>	<b>\$54,994.20</b>
Mesquite	\$131,379.54	\$105,103.63	\$26,275.91
Moapa	\$143,591.48	\$114,873.18	\$28,718.30
<b>Raft River Rural Electric Cooperative</b>	<b>\$149,999.00</b>	<b>\$119,999.20</b>	<b>\$29,999.80</b>
Jackpot	\$149,999.00	\$119,999.20	\$29,999.80
<b>Valley Electric Association</b>	<b>\$433,289.74</b>	<b>\$300,000.00</b>	<b>\$15,000.00</b>
Amargosa Valley	\$300,000.00	\$300,000.00	\$-
Beatty	\$133,289.74	\$-	\$15,000.00
<b>Wells Rural Electric Company</b>	<b>\$243,899.82</b>	<b>\$243,899.82</b>	<b>\$-</b>
West Wendover	\$243,899.82	\$243,899.82	\$-

Continued on next page.



# APPENDIX: FUNDING BREAKDOWN

ROW LABELS	TOTAL PROJECT COSTS	VW FUNDS	GOE REF
<b>IN PROGRESS</b>	<b>\$2,367,038.00</b>	<b>\$1,395,730.50</b>	<b>\$172,640.00</b>
<b>Mt. Wheeler Power</b>	<b>\$563,200.00</b>	<b>\$450,560.00</b>	<b>\$112,640.00</b>
Baker	\$315,200.00	\$252,160.00	\$63,040.00
Eureka	\$248,000.00	\$198,400.00	\$49,600.00
<b>NV Energy</b>	<b>\$1,203,838.00</b>	<b>\$405,170.50</b>	<b>\$-</b>
I-15 / US 93 Jct. (Speedway)	\$322,188.00	\$80,547.00	\$-
Silver Springs	\$242,702.00	\$60,675.50	\$-
Rye Patch	\$638,948.00	\$263,948.00	\$-
<b>Wells Rural Electric Company</b>	<b>\$600,000.00</b>	<b>\$540,000.00</b>	<b>\$60,000.00</b>
Carlin	\$300,000.00	\$240,000.00	\$60,000.00
Wells	\$300,000.00	\$300,000.00	\$-
<b>POTENTIAL</b>	<b>\$1,022,792.00</b>	<b>\$362,792.00</b>	<b>\$-</b>
<b>NDOT</b>	<b>\$380,000.00</b>	<b>\$95,000.00</b>	<b>\$-</b>
I-80 / US 95 Jct. (Trinity)	\$380,000.00	\$95,000.00	\$-
<b>NV Energy</b>	<b>\$642,792.00</b>	<b>\$267,792.00</b>	<b>\$-</b>
Middlegate	\$642,792.00	\$267,792.00	\$-
<b>GRAND TOTAL</b>	<b>\$7,897,327.03</b>	<b>\$3,703,449.39</b>	<b>\$510,511.04</b>

