

Arizona's Electric Vehicle Infrastructure Deployment Plan

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Arizona Department of Transportation



IIJA Funding for EV Charging Infrastructure

- National Electric Vehicle Infrastructure Formula Program | **\$5 BILLION**
- National Electric Vehicle Infrastructure Grant Program | **\$2.5 BILLION**
 - > Community Charging Grant Program - **\$1.25 BILLION**
 - > Corridor Grant Program - **\$1.25 BILLION**

NEVI Program overview

- Nearly **\$5 billion** available to states
- Purpose is to deploy EV charging stations along the States' alternative fuel corridors
 - Arizona's share is **\$76.5 million** over the next five years
- States must submit a deployment plan by **Aug. 1, 2022** to Joint Office of Energy & Transportation



Arizona Alternative Fuel Corridors (AFC)

- Nominated by ADOT & designated by USDOT – “backbone” for the national electric vehicle charging network
- In AZ, presently the interstate highways
- ADOT will consider additional highways as future AFC

NEVI requirements

- One station every 50 miles within one mile of an AFC (exceptions can be granted)
- Each station required to have:
 - A minimum of four 150-kilowatt direct-current fast chargers (DCFC) with combined charging system (CCS) ports
 - Minimum station capacity of 600 kilowatts
 - Ability to charge four electric vehicles simultaneously

Outreach

- State agency coordination meeting held on **June 16**
- Stakeholder meeting conducted on **June 30**
 - 200-plus attendees
- Public meeting held on **July 14**
 - 300-plus attendees

The image displays two screenshots of ADOT outreach materials. The top screenshot shows a webinar interface titled "Share your Questions Verbally" with instructions for "Phone-only Participants" and "Webinar Participants". The bottom screenshot is a flyer for "Public Comments on EV Plan due July 21" which includes contact information for a public survey, voicemail line, mailing list, and website.

Share your Questions Verbally

Phone-only Participants

- On your phone's keypad, press

Webinar Participants

- Raise your hand

Public Comments on EV Plan due July 21

Public Survey

English: www.surveymonkey.com/r/AZEVPlan
 Español: www.surveymonkey.com/r/AZEVPlanEspanol

Email us at AZEVPlan@azdot.gov

Call our voicemail line at **800-915-4301**

Mall us at:
 Attn: ADOT EV Plan, 1655 W. Jackson St., MD 126F, Phoenix AZ 85007

Reminder to take self ID survey
 English: https://azdot.gov/AZEVself_id
 Español: https://azdot.gov/AZEVself_idspanish

Visit the website at azdot.gov/EVplan and sign up for the mailing list

Electric Vehicle Infrastructure Deployment Plan

Stakeholder/Public Input

Stakeholders

> The technology is rapidly changing - futureproof the stations.

Public

> Pull through charger bays.

> Covered charger bays.

> Chargers installed at locations that have amenities.

Arizona's EV Charging Infrastructure Deployment Plan

- 80% federal funding; 20% match requirement
- No state funding for charging station build out
- No stations on freeway right-of-way or rest areas
- Private match, ownership, operation, maintenance of stations on private property with amenities

Plan highlights:
Utilize NEVI-Compliant Stations

The first strategy is to utilize **existing stations** that meet NEVI requirements.



Plan highlights:
Upgrade existing stations

Next, we'll use funding to **upgrade existing stations** that are not NEVI compliant.



Plan highlights:
Seek discretionary
exemptions

In parts of the state where sufficient infrastructure doesn't exist, we'll seek **discretionary exceptions.**



Plan highlights: Close gaps with new stations

There will still be some gaps. We'll need **new sites** to achieve our goal of one station every 50 miles along the corridors.



Timeline



AZEVPLAN

- Initial plan submitted to Joint Office — **August 1**
- Additional public/stakeholder outreach after plan approved — **October - November**
- Refine implementation strategy — **November 30**
- ***Release of FHWA final rule – TBD***
- Advertise for upgrades — **first half of 2023**
- Advertise for new stations — **second half of 2023**
- Identify new alternative fuel corridors — **2022-2023**
- Update plan with new corridors — **August 1, 2023**

Resources

U.S. Joint Office of Energy and Transportation:

<https://www.DriveElectric.gov>

ADOT Electric Vehicle Program

[Arizona EV Plan](#)

Thank you!

Questions?

