

ALASKA ENERGY AUTHORITY

Alaska's National Electric Vehicle Infrastructure Program

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Safe,
Reliable, and
Affordable
Energy
Solutions

Who We Are



Our Mission

Reduce the cost of energy in Alaska.



Created in 1976 by the Alaska Legislature, the Alaska Energy Authority (AEA) is a public corporation of the State of Alaska governed by a board of directors with the mission to “reduce the cost of energy in Alaska.” AEA is the state's energy office and lead agency for statewide energy policy and program development.



AEA EV Mission Statement

Lead the effort to
**minimize barriers to
EV adoption** in Alaska.

Dimond Center EV Car Show and Ride & Drive, Anchorage, AK

Volkswagen Settlement Funds: Fast Charging Sites

Sites Open Now

- **Anchorage**; Dimond Center
- **Homer**; AJ's Old Town Steakhouse & Tavern
- **Seward**; Seward Chamber of Commerce
- **Soldotna**; Custom Seafoods
- **Cantwell**; Jack River Inn

Sites Under Construction

- **Chugiak**; Three Bears Alaska
- **Cooper Landing**; Grizzly Ridge
- **Healy**; Three Bears Alaska
- **Trapper Creek**; Three Bears Alaska





Barriers to EV Adoption in Alaska

- Lack of charging infrastructure
- Range anxiety
- High demand charges
- Cold climate performance
- Market availability of electric AWD, SUVs, and trucks

National Electric Vehicle

Infrastructure (NEVI) Program

The National Electric Vehicle Infrastructure (NEVI) Formula Program is a \$5 billion program established by the Bipartisan Infrastructure Law (BIL) to build a national network of 500,000 electric vehicle (EV) charging stations by 2030 along federally designated Alternative Fuel Corridors (AFCs).



Create an interconnected network



New FHWA Federal Aid program apportioned to state DOT's



Designated Alternative Fuel Corridors (AFC's)



Annual Implementation Plan Required



Alaska NEVI Plan

AEA and the Alaska Department of Transportation & Public Facilities (DOT&PF), submitted their **State of Alaska EV Infrastructure Implementation Plan (The Plan)** to the United States Joint Office of Energy and Transportation, as required by the Infrastructure Investment and Jobs Act's (IIJA) NEVI Formula Program.

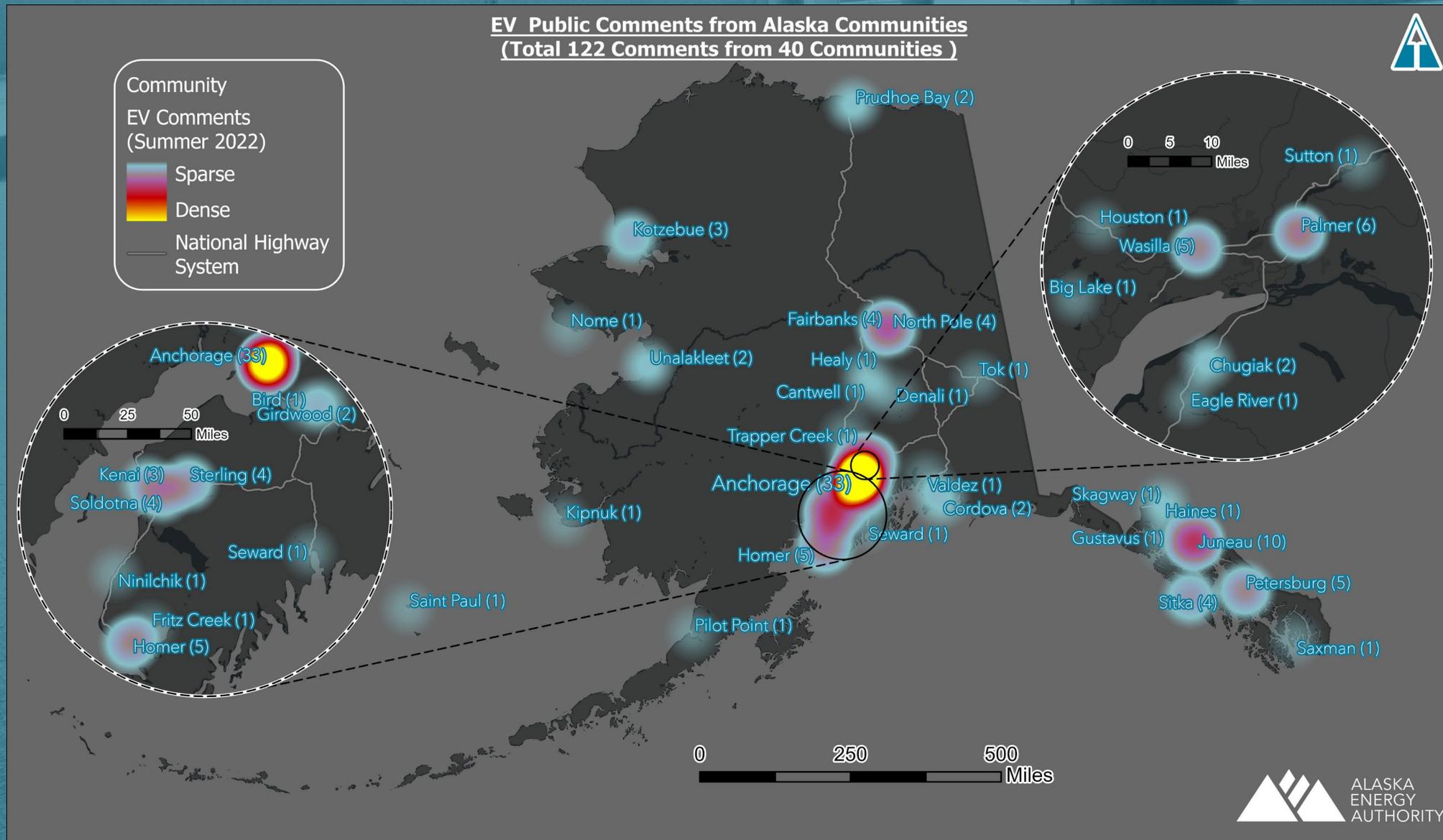
- On September 27, 2022, AEA and DOT&PF **secured approval of The Plan.**
- The announcement unlocks **\$19 million** to expand EV charging infrastructure in Alaska.
- Over the **next five years**, AEA anticipates receiving **\$52 million**. Funds will be received by DOT&PF and administered by AEA.



State of Alaska Electric Vehicle Infrastructure Implementation Plan



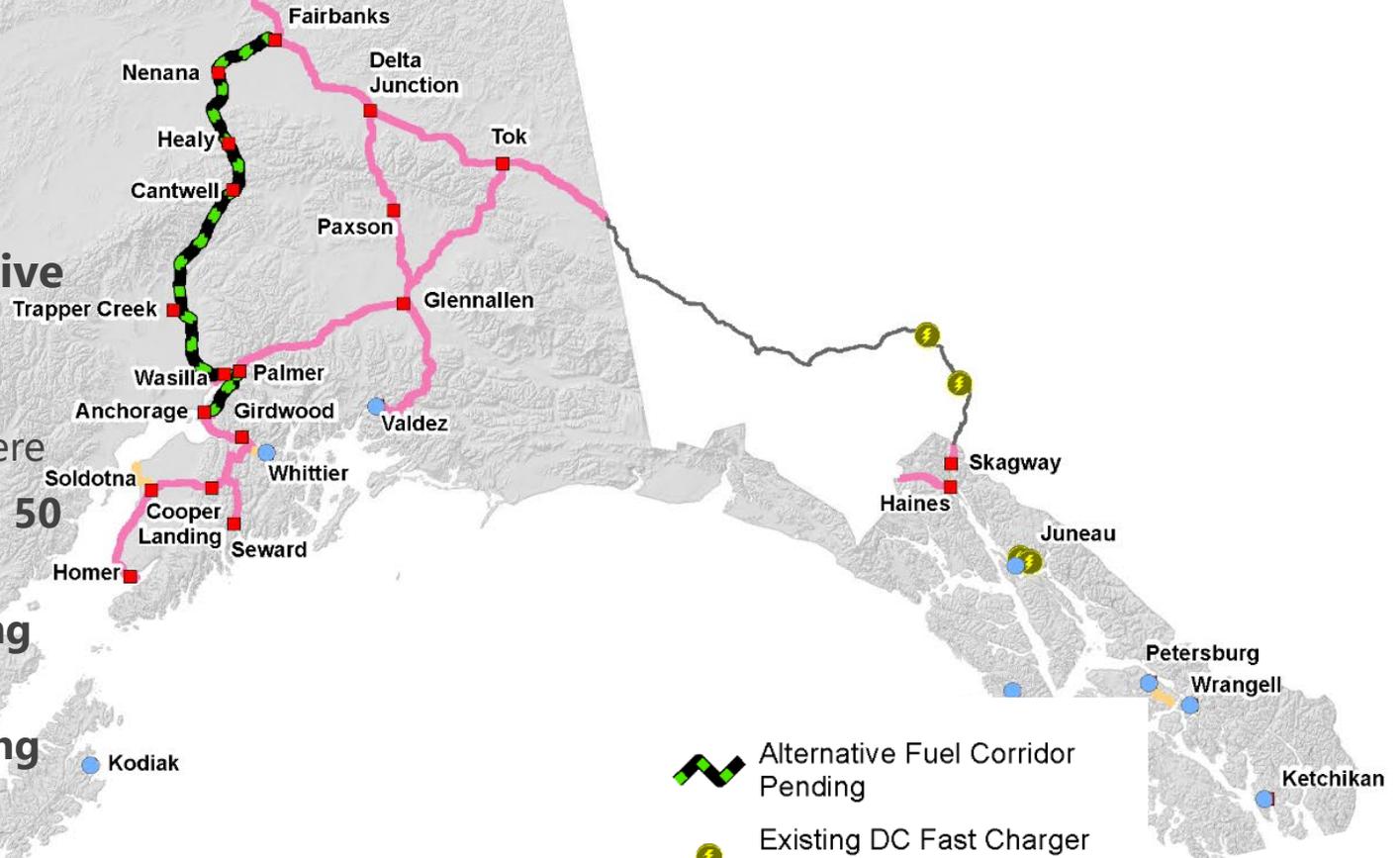
Where did plan comments come from?



NEVI Requirements

Funding must be used to build out Alternative Fuel Corridors (AFCs) first

- Alaska currently has one AFC
- After AFC buildout, funding can be used elsewhere
- Charging stations must be located no more than **50 miles** apart along designated AFC
- Chargers must be located no more than **1 driving mile from AFC**
- Charging infrastructure must be **DC fast-charging**
 - 4 Combined Charging System Connectors
 - >150 kW each
- Justice 40
- Match Requirements
 - Federal share: 80%
 - Private entity or other: 20%



-  Alternative Fuel Corridor Pending
-  Existing DC Fast Charger (June 2021)
-  Community
-  National Highways
-  NHS Port/Ferry/Airport Terminal
-  National Port/Ferry Terminals



Build out Alaska's
Alternative Fuel Corridor



Build out Alaska's Highway
and Marine Highway Systems

As funding allows ▶



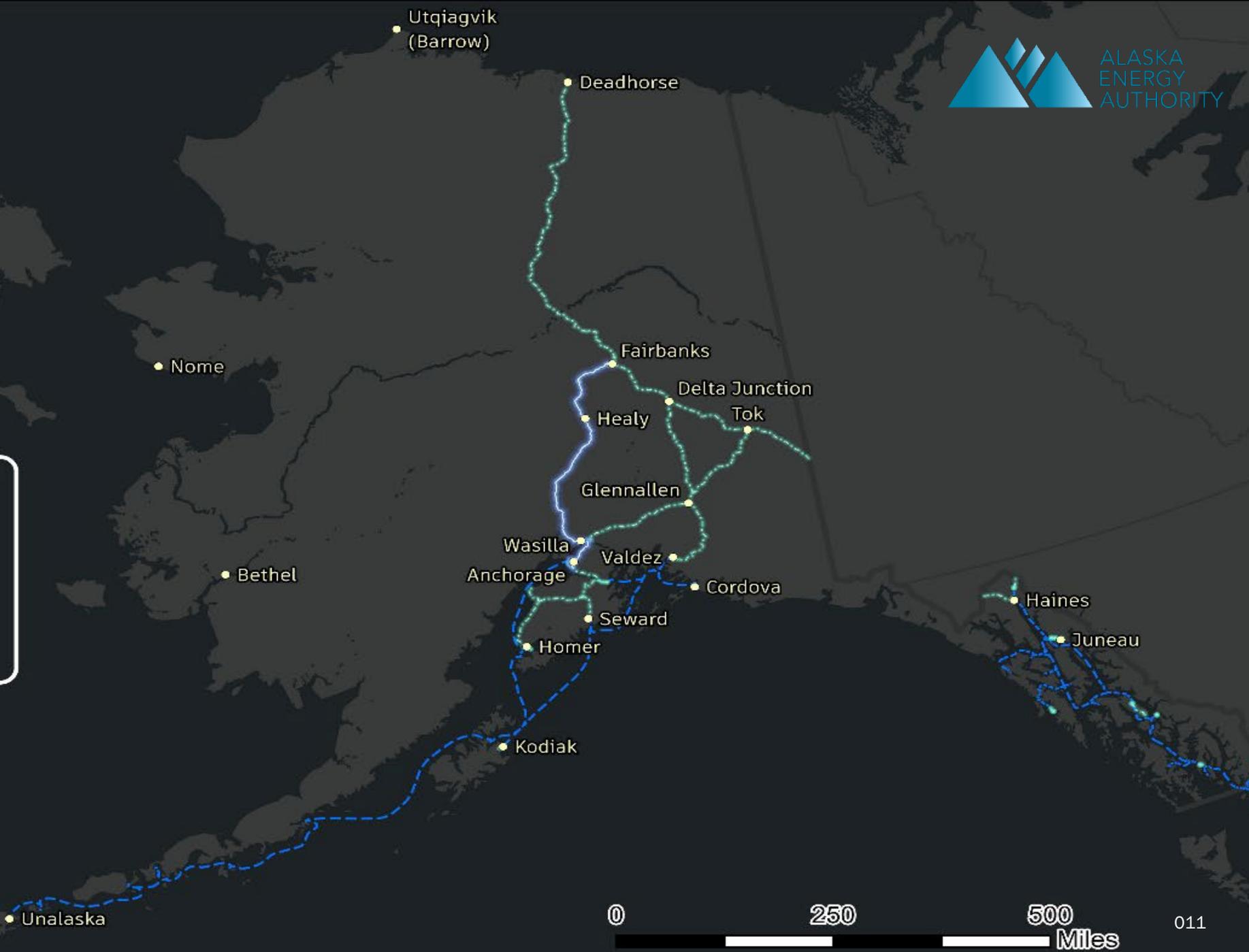
Install Charging Stations
in Rural Hub Communities



Urban and
"Destination" Locations



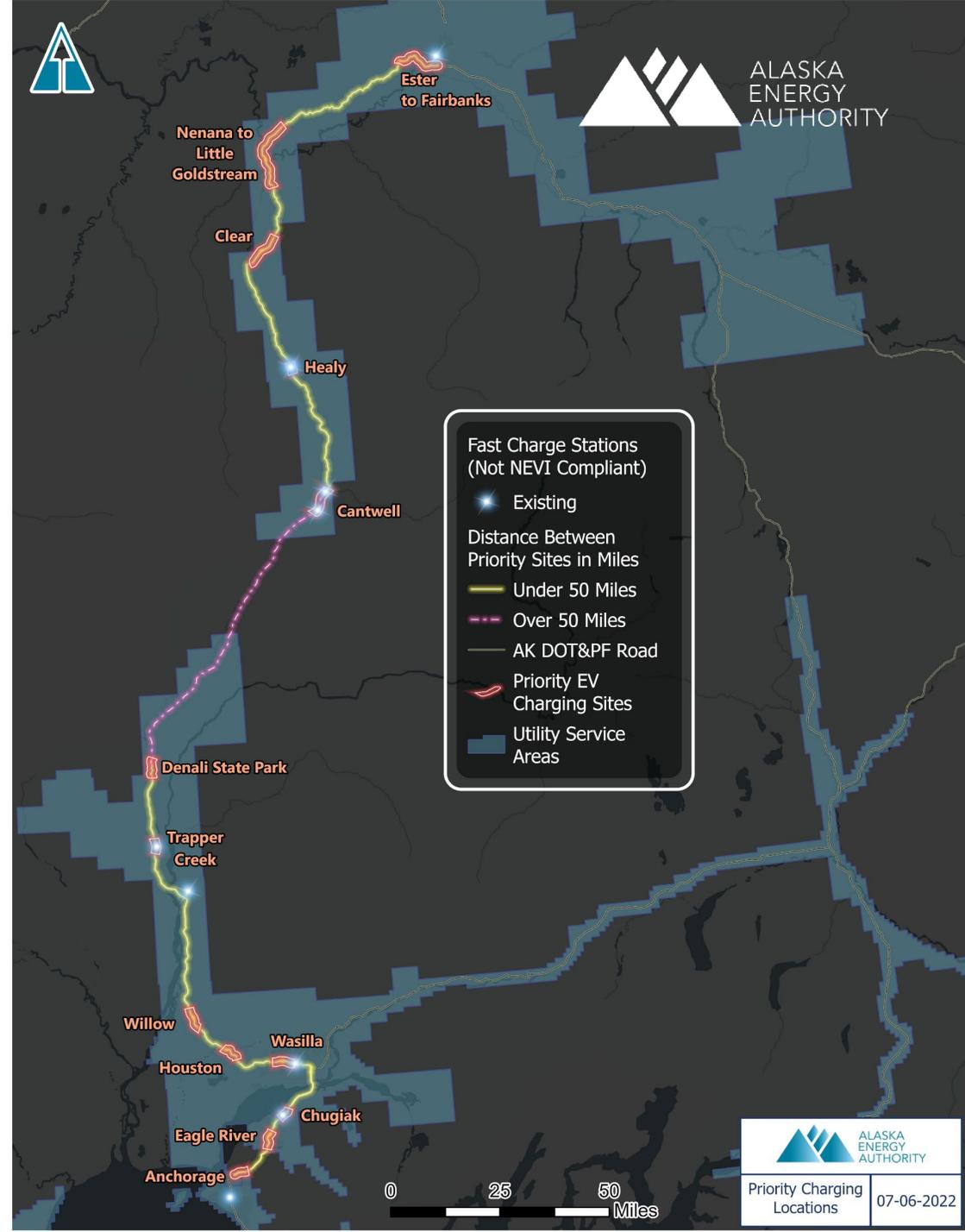
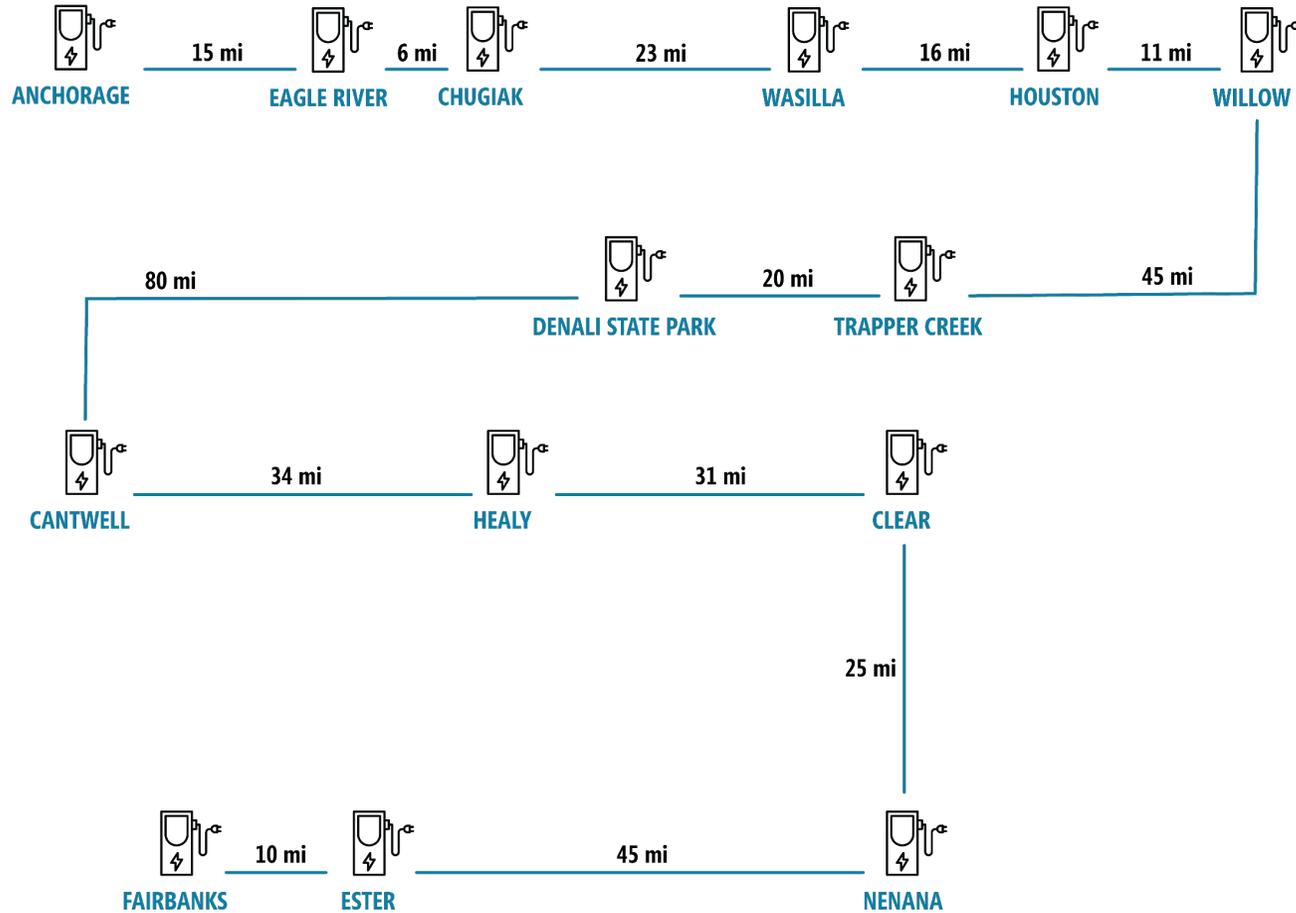
- Community
- Alternative Fuel Corridor
- - - National Highway System
- - - Marine Highway System Route



Electric Vehicle Charging Station Site Host
Request for Applications (RFA) Timeline



Priority AFC Areas



Funding Availability

- Up to \$15 million available for this solicitation
- Estimating ~\$1 Million per project
- Currently no project budget cap

Eligibility and Funding

Eligible Applicants

- Open to a wide range of applicants
- Public, Private, Non-Profit, Tribal, utilities, etc.

Eligible Projects

- Projects directly related to EV charging
- Publicly available
- Charging network provider



Scoring Elements



Technical Scoring Element	Max Points	% of Total
Understanding of Program and Project Methodology	100	10%
Management Plan, Schedule, Development and Operation	200	20%
Experience and Qualifications	200	20%
Site Proposal	300	30%
<i>Maximum Technical Application Score</i>	<i>800</i>	<i>80%</i>
Pricing Scoring Element	Max Points	% of Total
Site Pricing Application Cost	100	10%
Site Pricing Application Narrative	100	10%
<i>Maximum Pricing Application Score</i>	<i>200</i>	<i>20%</i>
<i>Overall Maximum Application Score</i>	<i>1000</i>	<i>100%</i>

Evaluation Process

- **Stage 1 Review: Completeness**
- **Stage 2 Review: Technical Application**
 - Methodology (10%)
 - Management Plan, Schedule, Development and Operation (20%)
 - Experience and Qualifications (20%)
 - Site Proposal (30%)
- **Stage 3 Review: Pricing Application**
- **Stage 4 Review: Final Ranking**

Tentative Project Selection: May 24th

Post Selection Activities: Environmental Review, Site Control

Criterion	Max Points
Utility Service Site Information Form Evaluation Has the applicant demonstrated a clear understanding regarding the infrastructure needs and utility improvement costs for the site? Does the project schedule align with the demonstrated utility infrastructure and utility needs?	80
Site is located within 1 mile of the highway Within 1 mile: 60 points 1-3 miles: 30 points 3-5 miles: 15 points Over 5 miles: 0 points	60
Site provides adequate lighting for security around the EVSE.	20
Site has amenities for users to access while charging their vehicle.	40
Site is located within a Justice40 boundary.	40
Site match contribution: 20%: 20 points 25%: 40 points 30% 60 points	60
Total Available Base Points	300
Bonus Considerations	Max Points
Site offers pull through charging access.	20
Site offers make-ready work for additional ports and increased speed (e.g. 350 kW) in the future.	20
Site offers additional plug standards to be inclusive of other drivers (e.g. NACS and CHAdeMO)	10

BIL Funding Opportunities

NEVI Competitive Grants

- Rural EV Charging Deployment

Vehicle Technologies Office

- Integrated Charging System, Off-Road Charging, Demonstration and Deployment

Grid Resilience State/Tribal Formula Grant Program



AEA provides
energy solutions
to meet the
unique needs of
Alaska's rural
and urban
communities.

Alaska Energy Authority

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EV Cold Climate Performance Data

