

ALASKA ENERGY AUTHORITY

ALASKA NEVI PLAN WORKSHOP

Taylor Asher
Project Manager

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State of Alaska Electric Vehicle (EV) Infrastructure Implementation Plan

AEA and the Alaska Department of Transportation & Public Facilities (DOT&PF), submitted its **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) National Electric Vehicle Infrastructure (NEVI) Formula Program.

- On September 27, AEA and DOT&PF **secured approval(!)**.
- 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.
- Match Requirements:
 - Federal share – 80%
 - Private entity or other – 20%



State of Alaska Electric Vehicle Infrastructure Implementation Plan

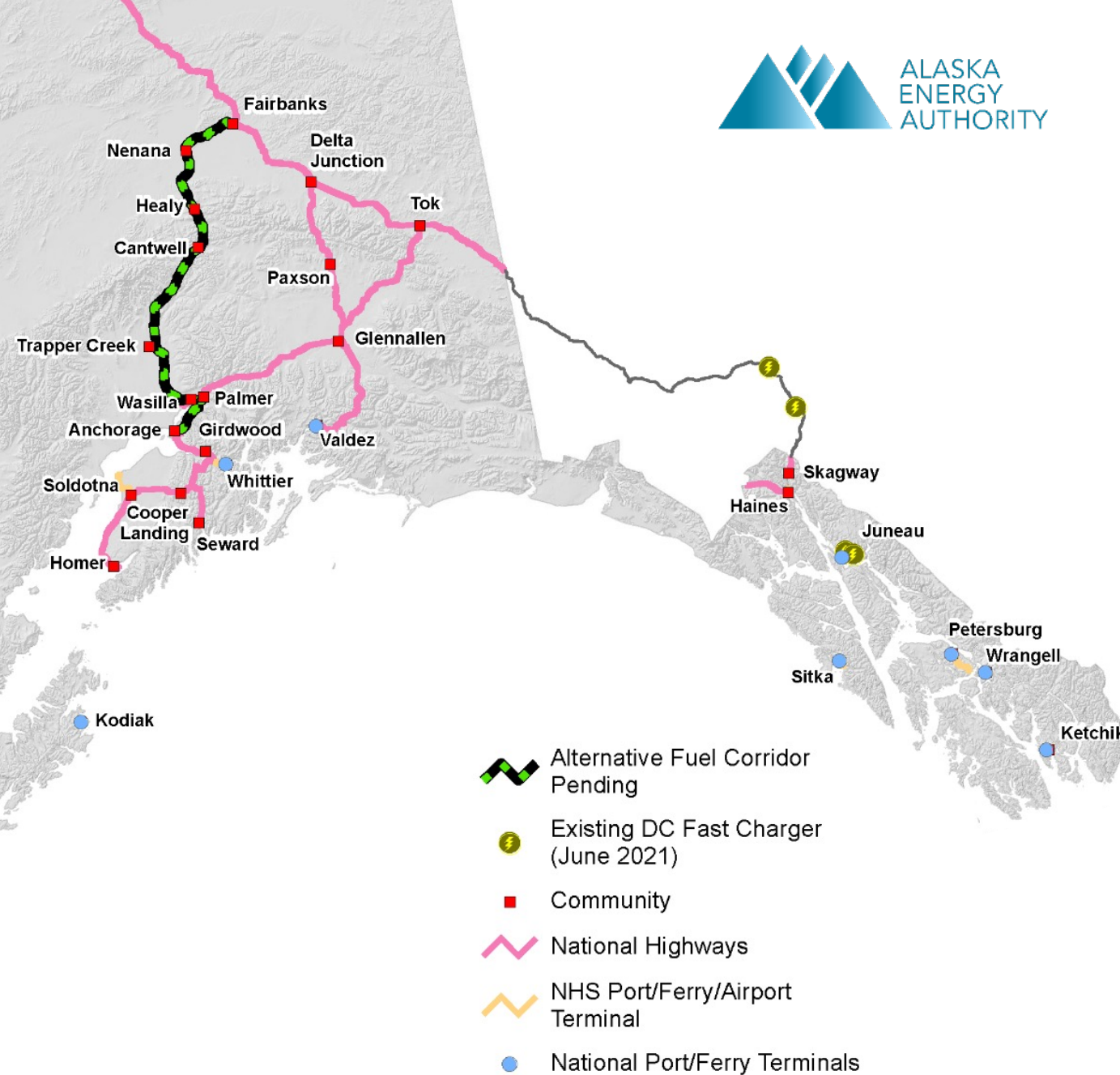








Alaska's NEVI vision: Adapting Alaska's unique infrastructure system to support reliable, equitable, and sustainable electric transportation while meeting community and economic needs.

NEVI Requirements

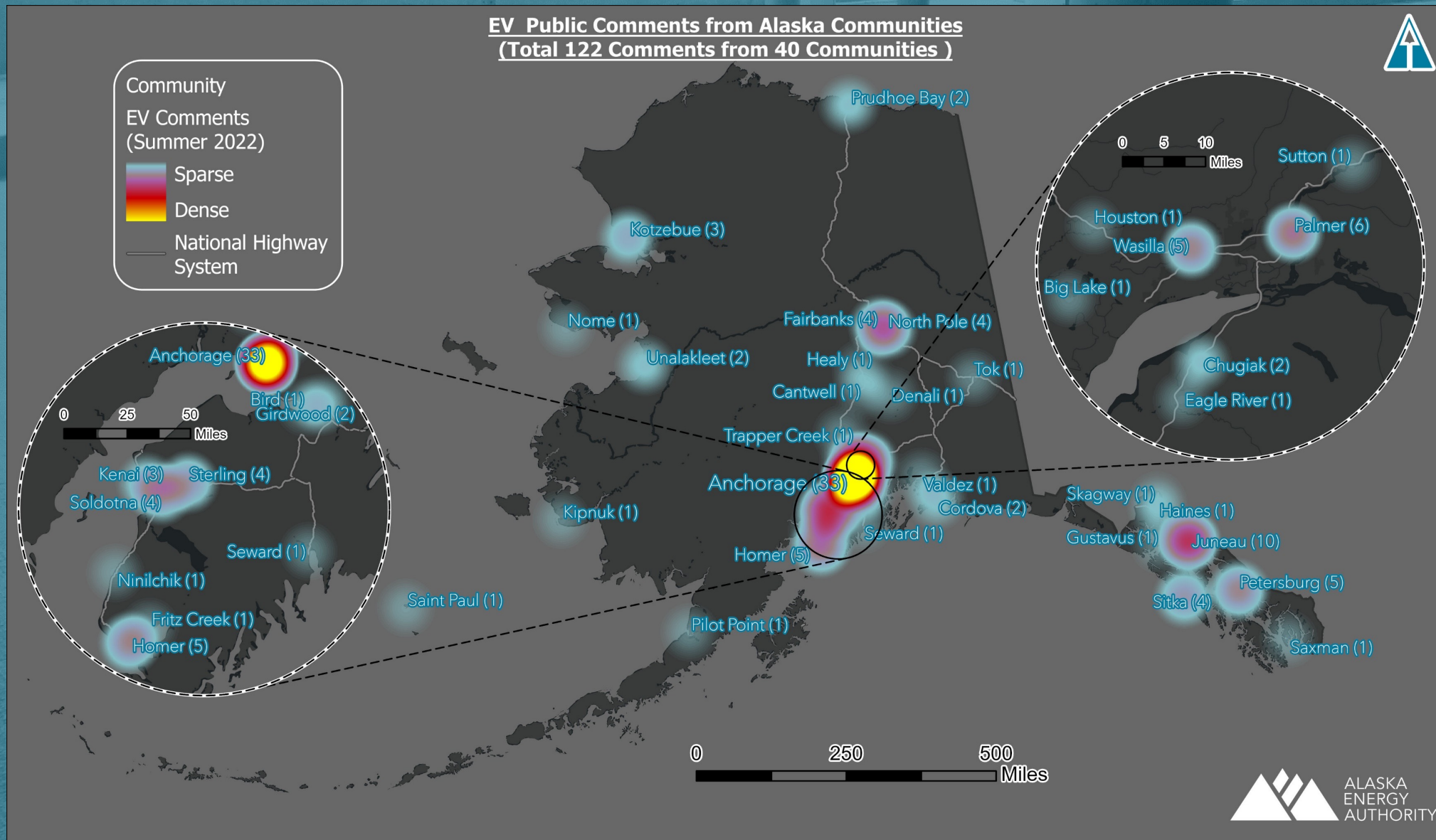
Funding must be used to build out Alternative Fuel Corridors (AFCs) first

- Alaska currently has one AFC (pending)
- After AFC buildout, funding can be used elsewhere
- Charging infrastructure must be **DC fast-charging**
 - 4 Combined Charging System Connectors
 - > 150 kW each
- Chargers must be located no more than **1 driving mile from AFC**
- Charging stations must be located no more than **50 miles** apart along designated AFC
- Match Requirements
 - Federal share: 80%
 - Private entity or other: 20%
- Justice40 Requirements



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

Where did plan comments come from?



NEVI Template From Joint Office



Introduction



State Agency
Coordination



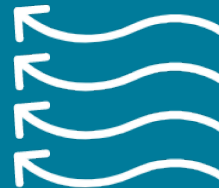
Public
Engagement



Plan, Vision &
Goals



Contracting



Existing & Future
Conditions



EVSE
Deployment



Implementation



Civil Rights



Equity
Considerations



Labor &
Workforce
Considerations



Cyber Security



Program
Evaluation



Discretionary
Exceptions

Phasing



Build out Alaska's
Alternative Fuel Corridor



Build out Alaska's Highway
and Marine Highway Systems

As funding allows ▶



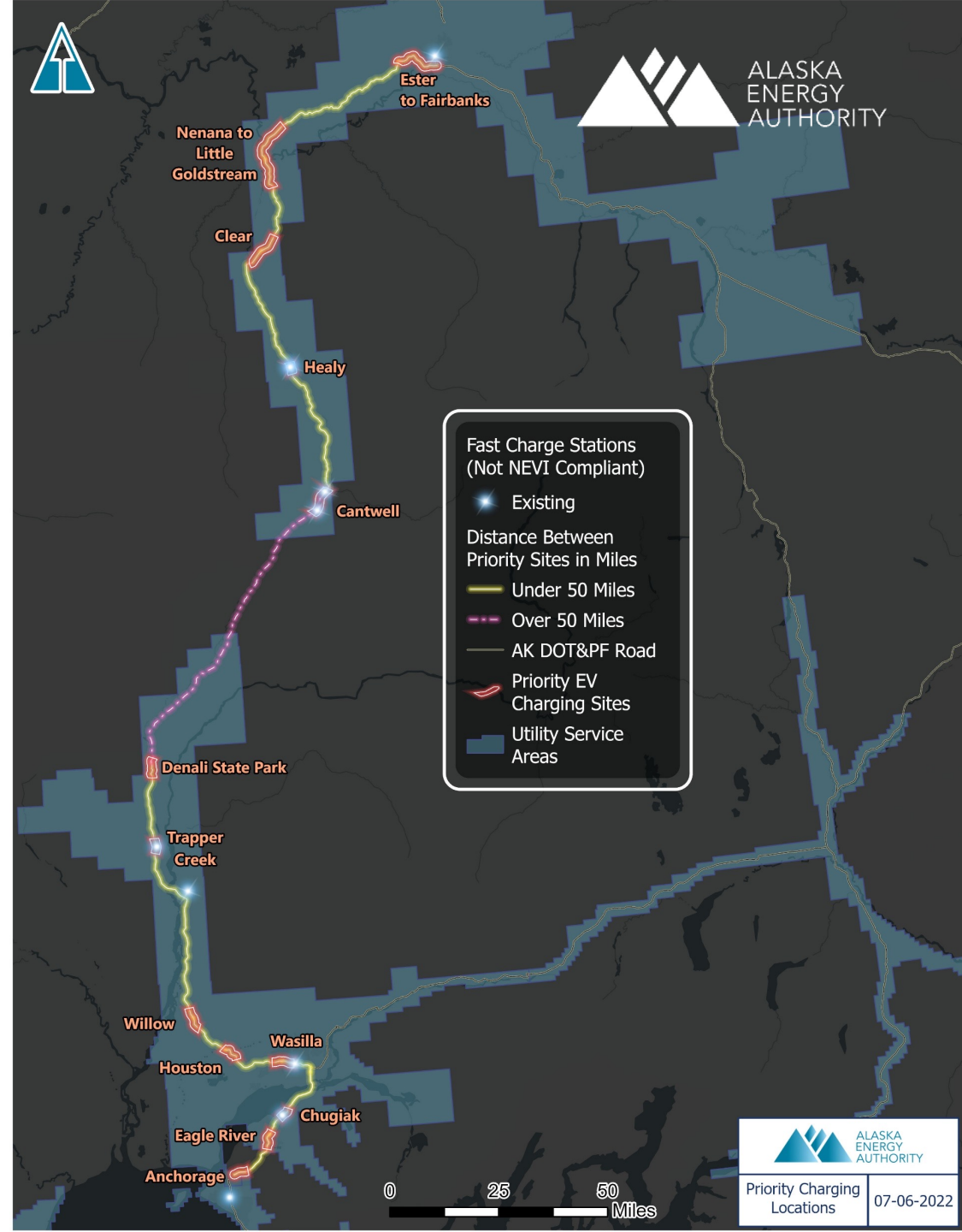
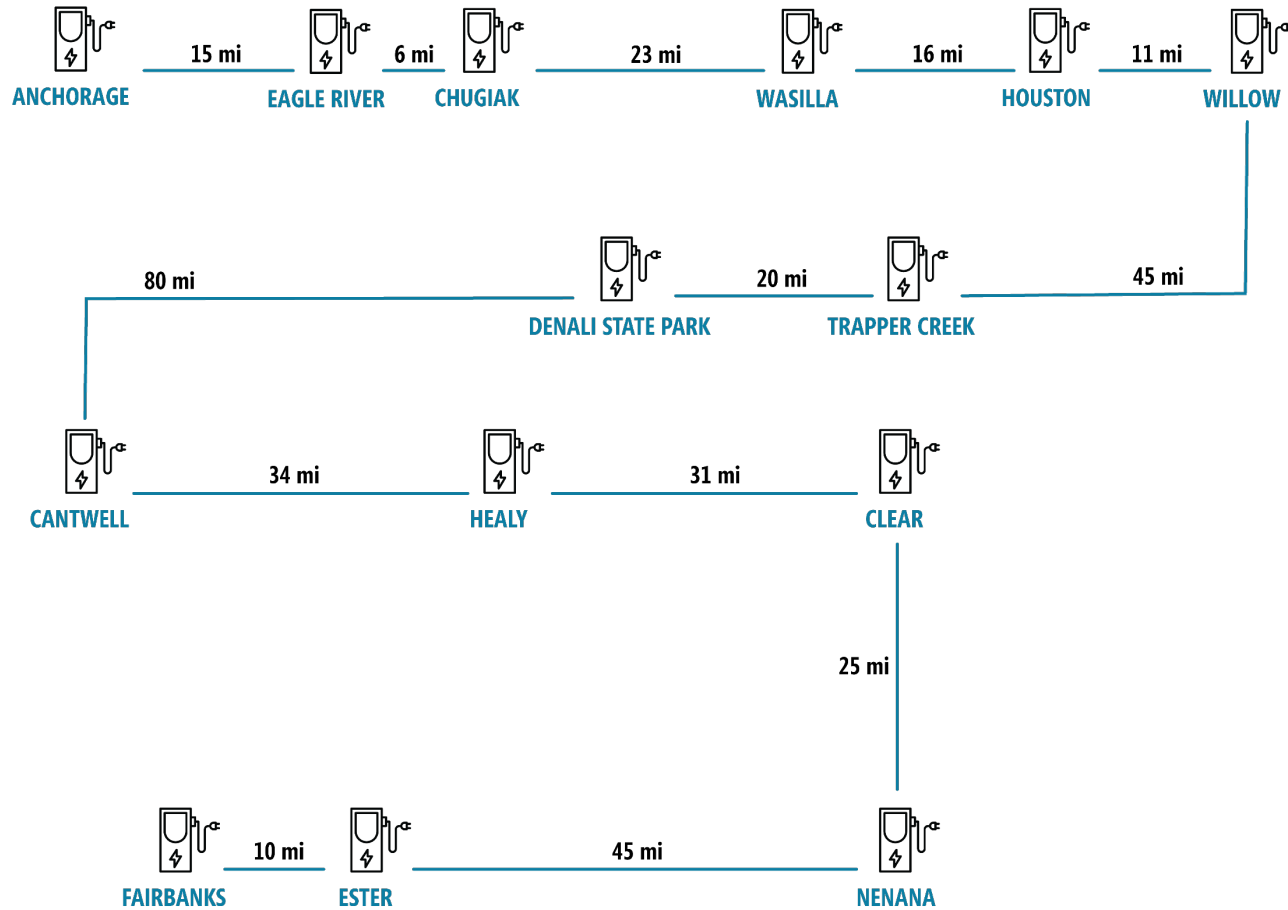
Install Charging Stations
in Rural Hub Communities



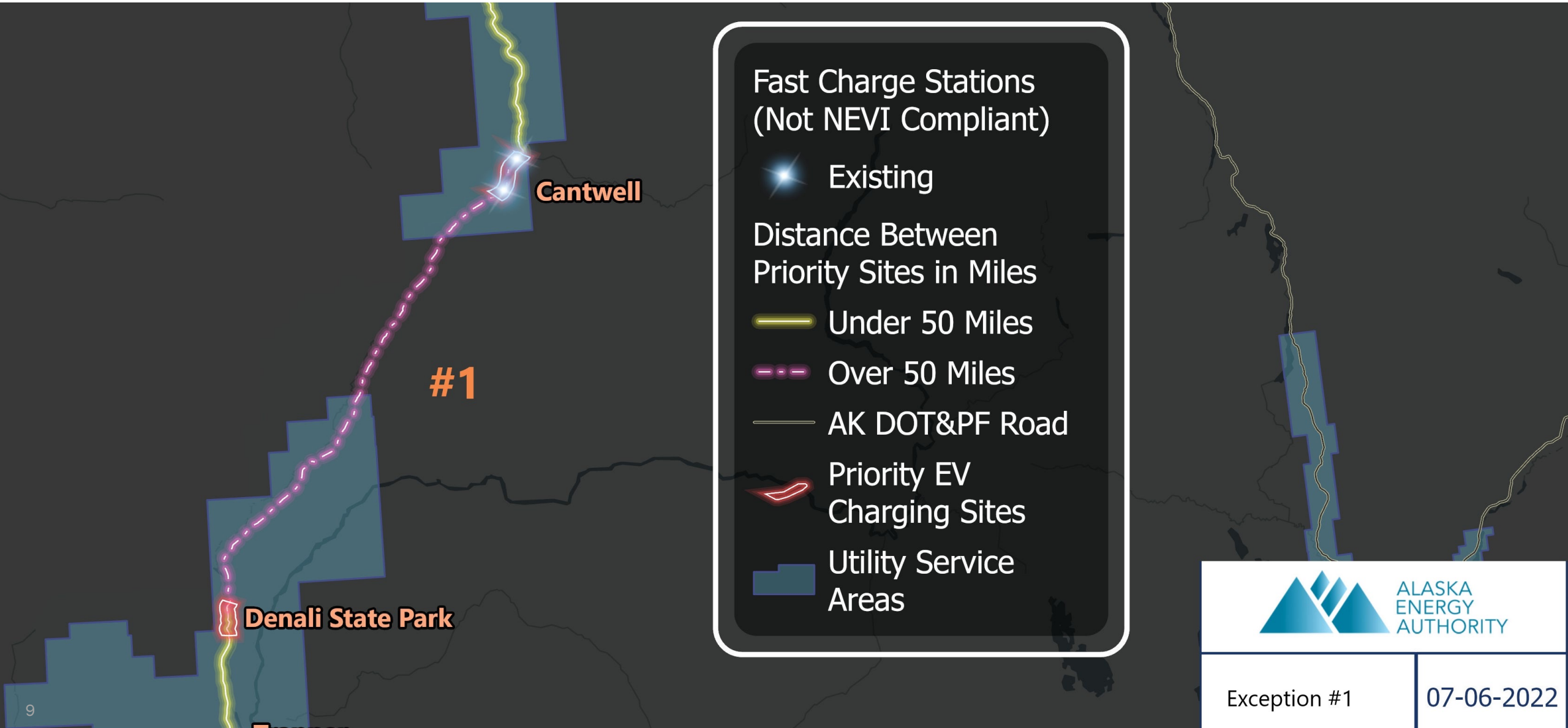
Urban and
"Destination" Locations

Corridor Deployment

Priority AFC Areas



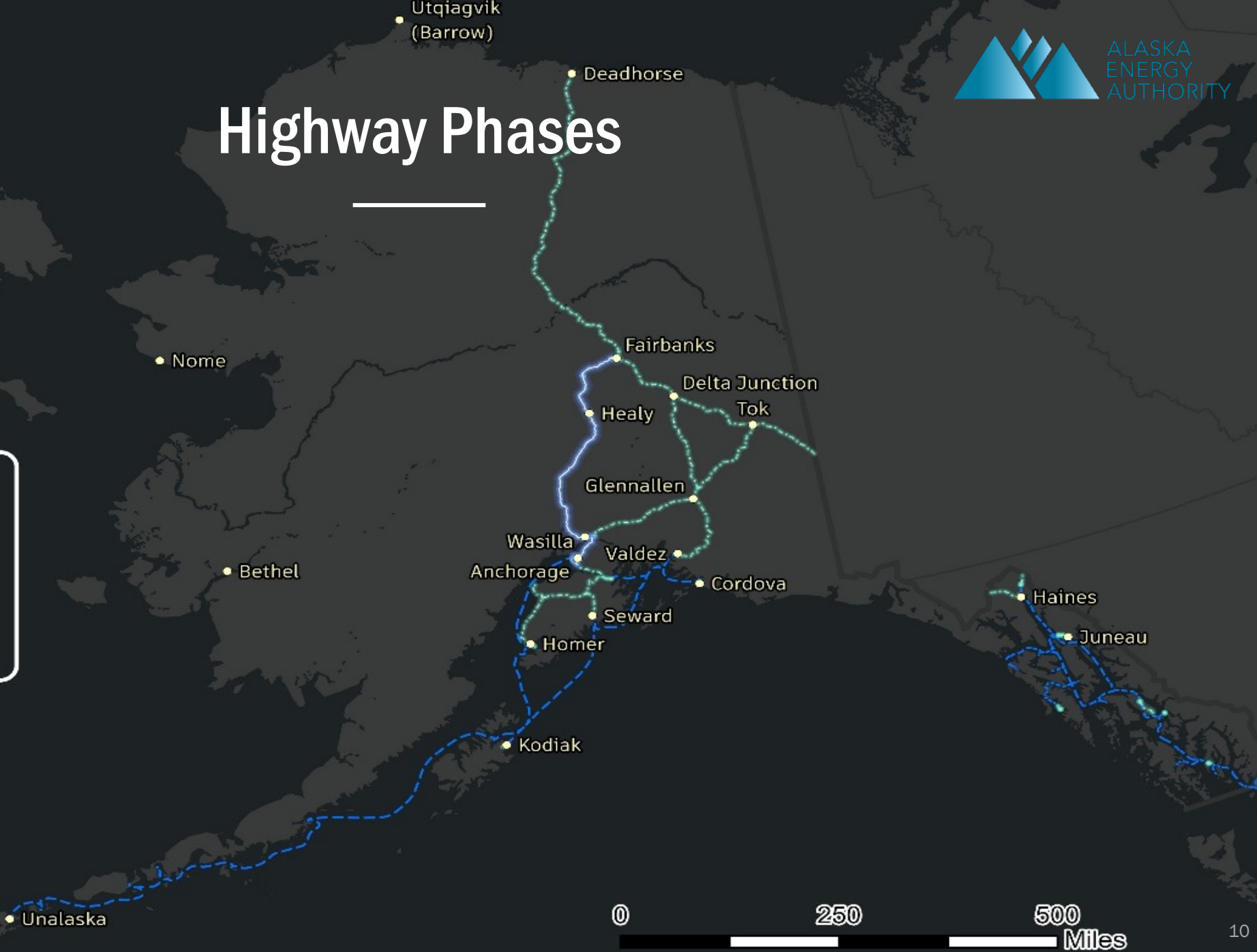
Discretionary Exception





Highway Phases

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



Risks & Challenges

Private
Investment

Energy Sources
and Costs

Barriers to
Consumer
Adoption

Risks and challenges
help inform Joint Office
of **common barriers**

Climate

Supply
Logistics

Build America,
Buy America

Lack of
Development

Why focus on risks and challenges?

- Shows how the agency intends to meet requirements
- Not intended to prove build-out

Next Steps



Interested Site Hosts

- Issue request for qualifications for potential site hosts
- Ensure site meets minimum standards

Siting Criteria

- Develop/Finalize Siting criteria
- Draft in the NEVI Plan
- Public comment

Site Host Applications

- Request for full applications
- 5 year Operations and Maintenance

Issue Grants

- Grant Agreements in place
- Construction Spring 2023

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

Alaska Energy Authority

813 W Northern Lights Blvd.
Anchorage, AK 99503



Main: (907) 771-3000
Fax: (907) 771-3044



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