

ALASKA ENERGY AUTHORITY

ALASKA NEVI PLAN

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EV Quarterly Working Group
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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.

Phasing

PHASE 1

Build out Alaska's
Alternative Fuel Corridor

PHASE 2

Build out Alaska's Highway
and Marine Highway Systems

As funding allows ►

PHASE 3

Install Charging Stations
in Rural Hub Communities

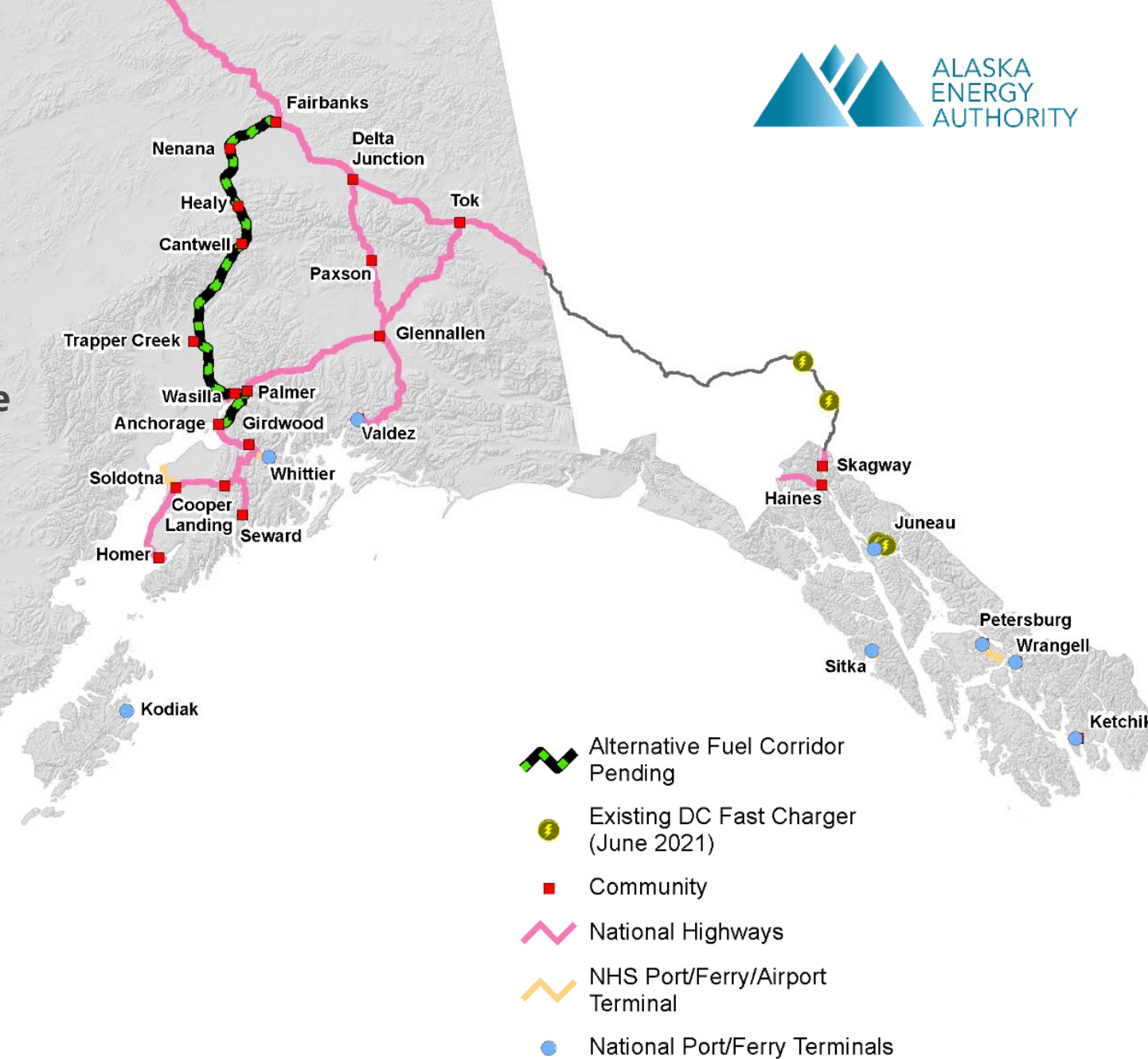
PHASE 4

Urban and
"Destination" Locations

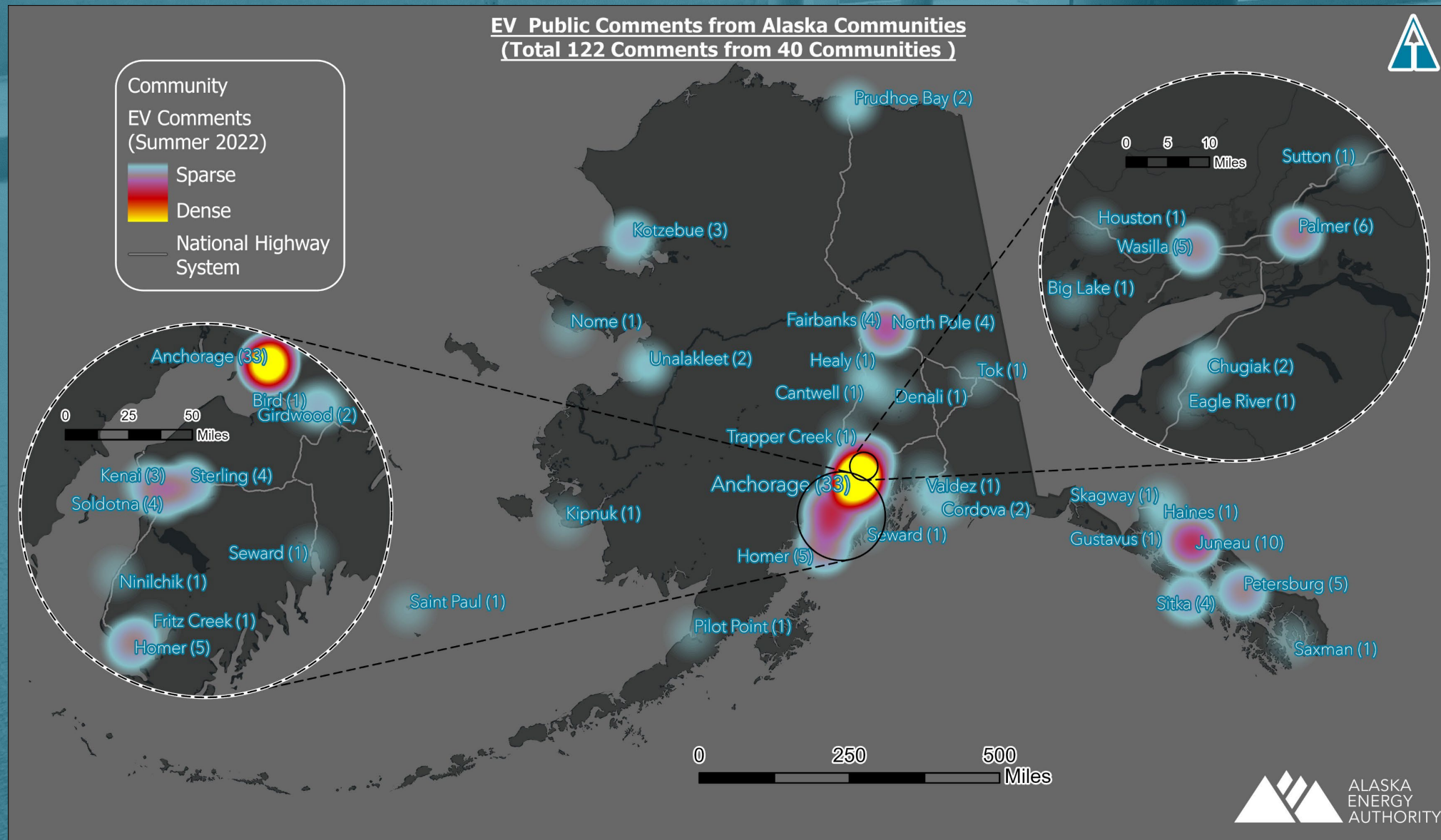
NEVI Requirements

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



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



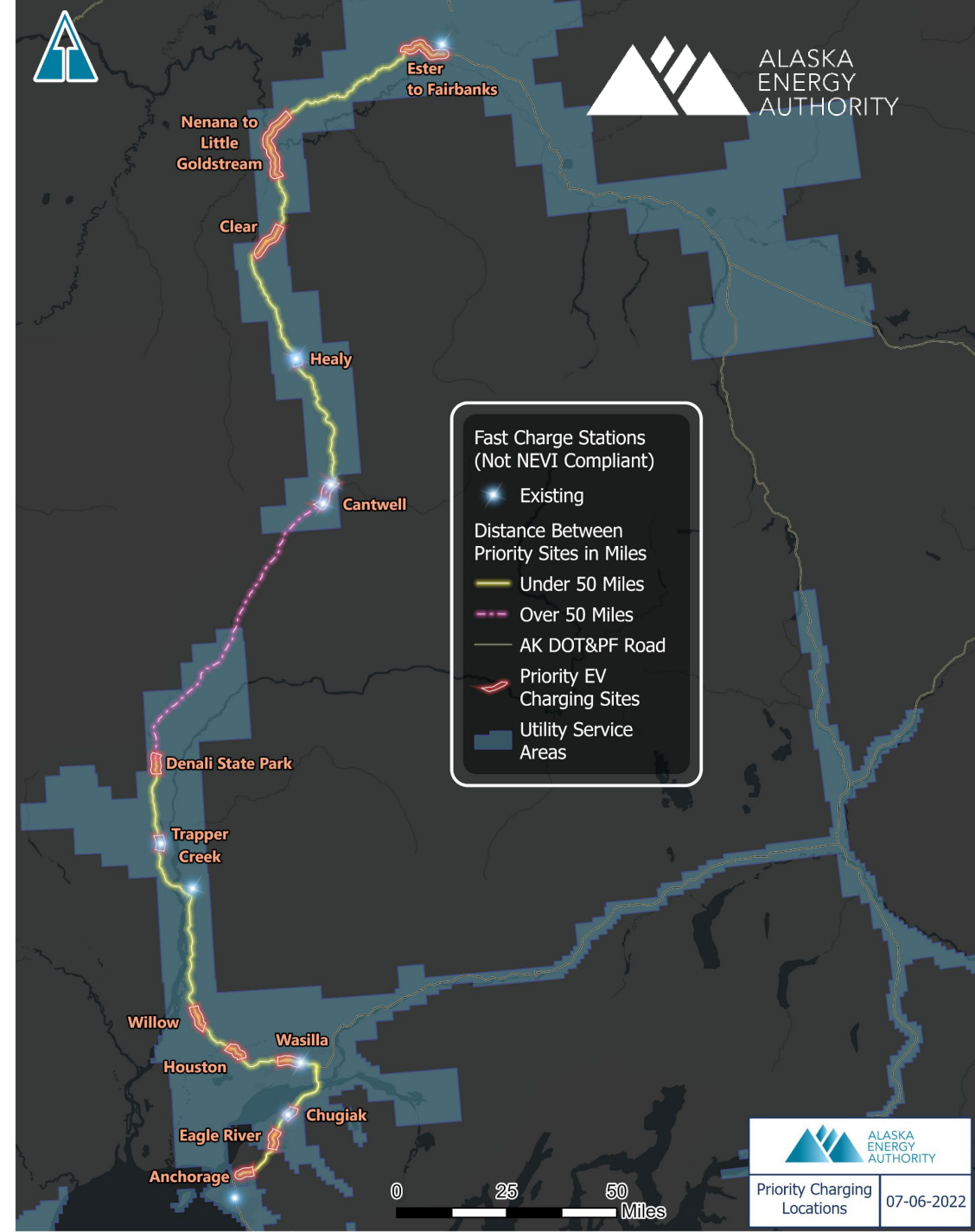
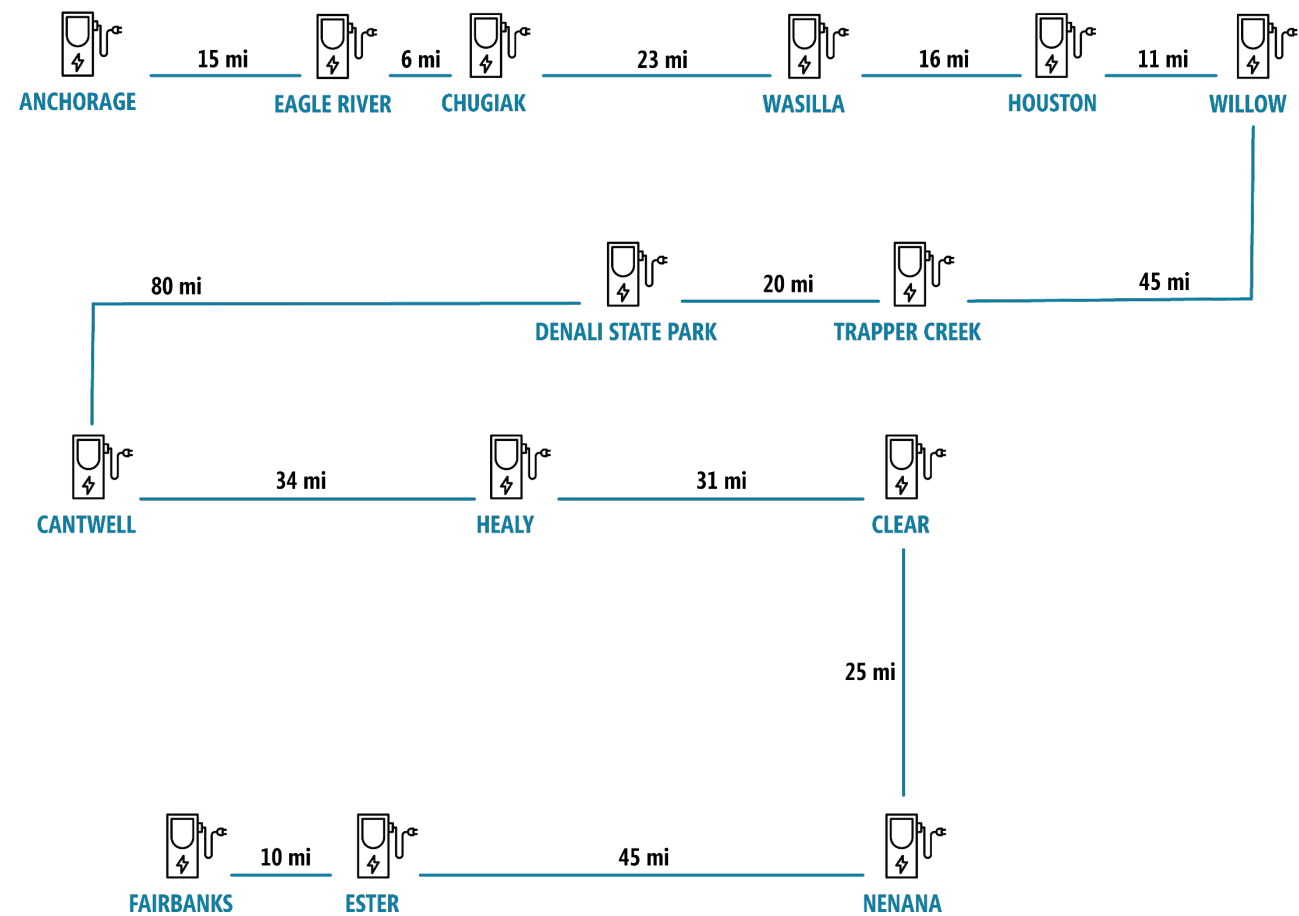
Program
Evaluation



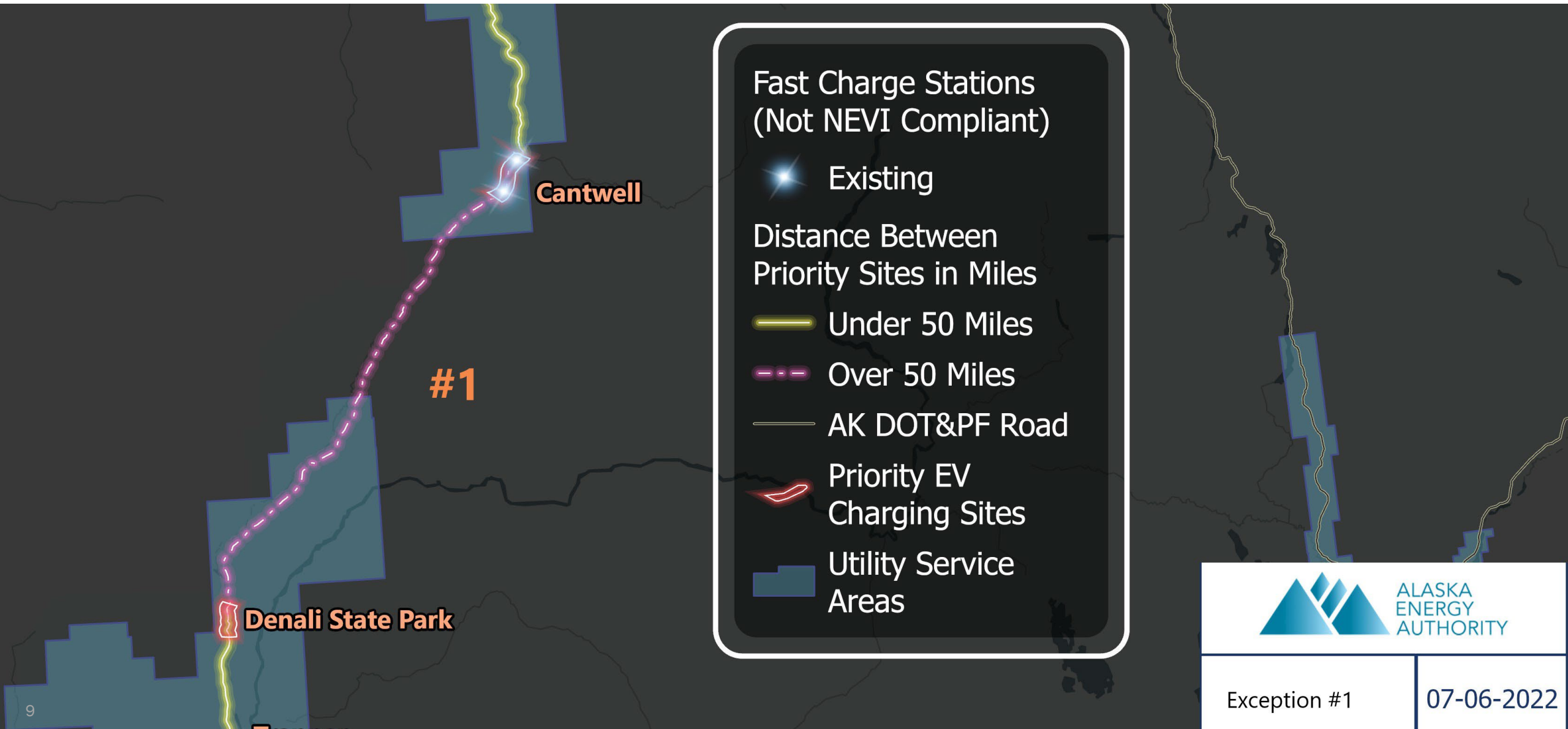
Discretionary
Exceptions

Corridor Deployment

Priority AFC Areas



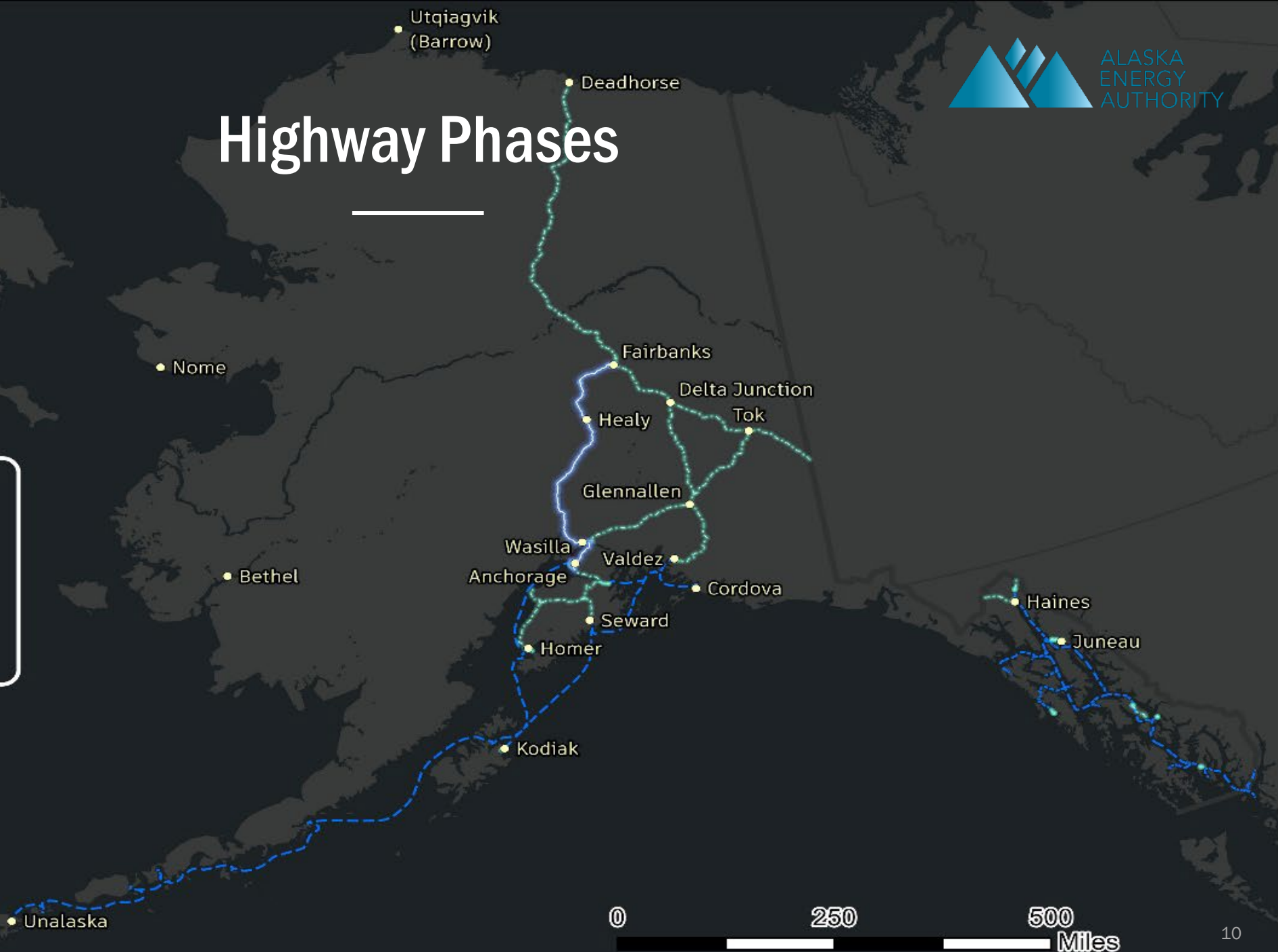
Discretionary Exception





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.

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