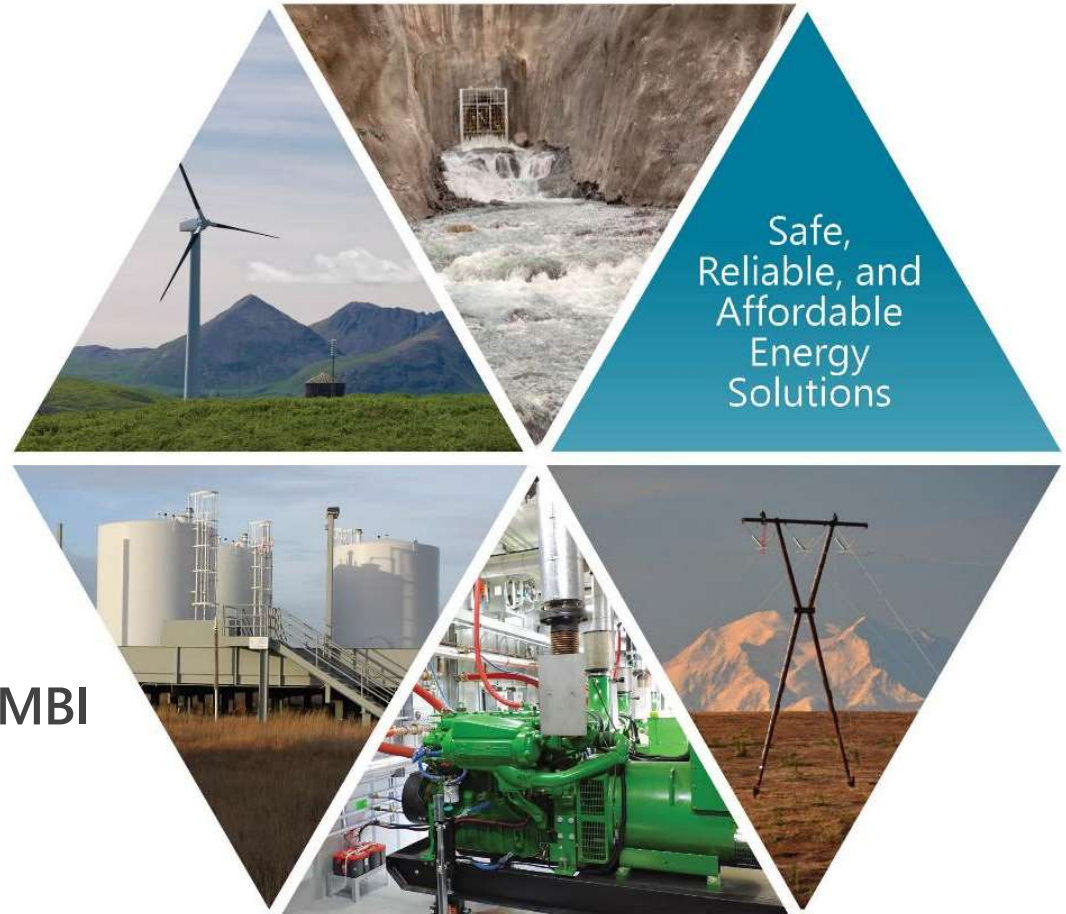


ALASKA ENERGY AUTHORITY

ALASKA FY25 NEVI PROGRAM UPDATE

Josi Hartley, Program Manager, AEA
Jeff Kupko, Consultant Project Manager, MBI

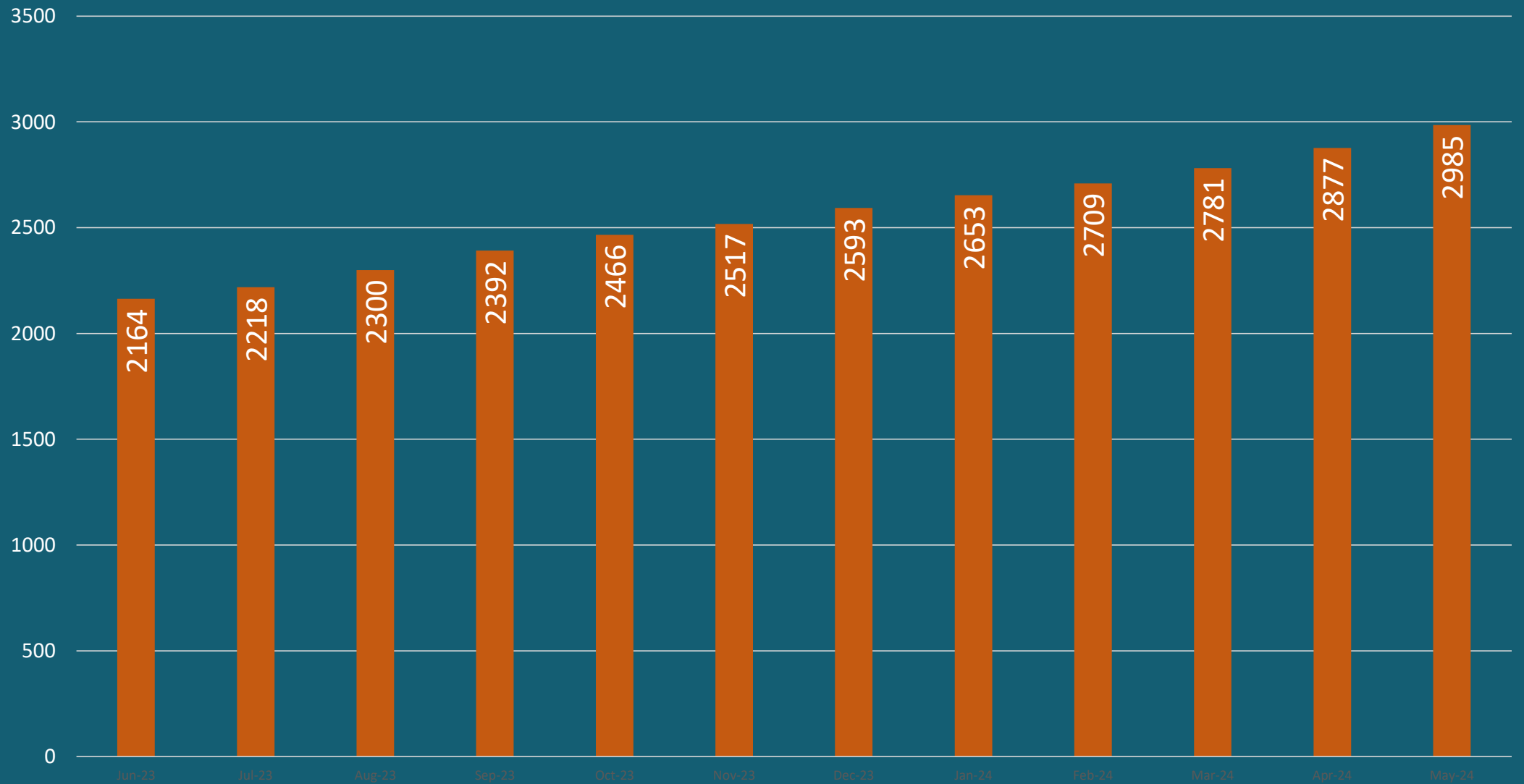


Agenda

- Introductions
- Data Review
- NEVI Plan Updates
- Phase Two Planning
- FY25 Draft Plan Comment Period
- Wrap up and Discussion

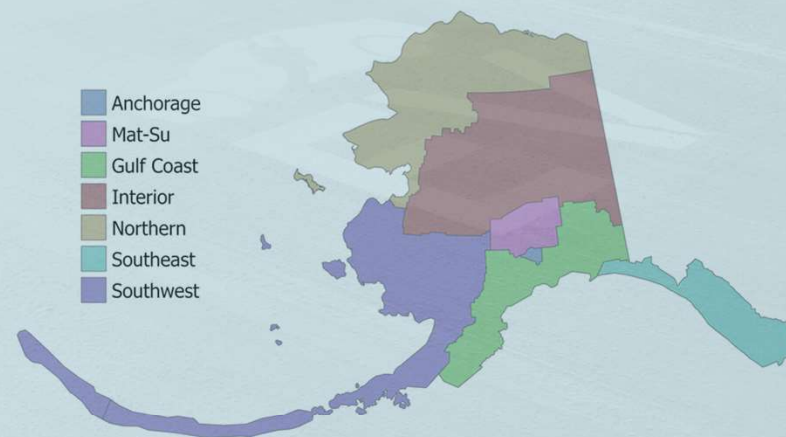
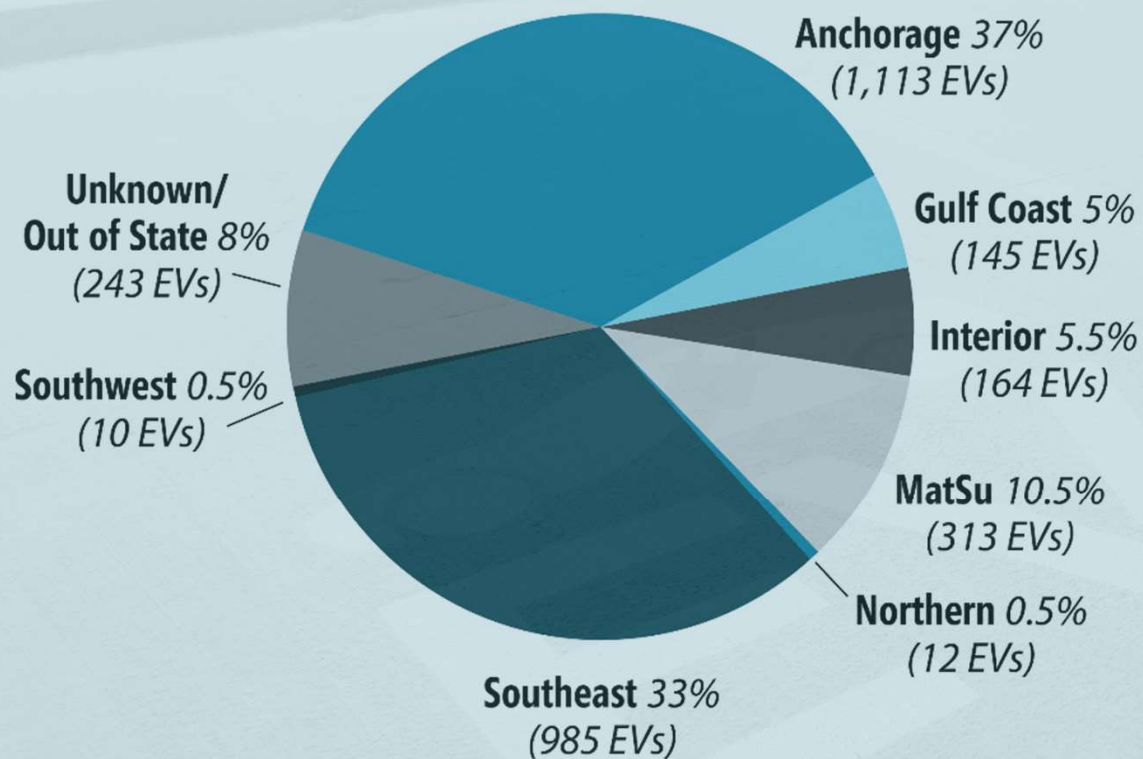


Registered BEVs in Alaska



EV Geographic Distribution

Alaska EV Registration by Region



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 initial plan.
- On September 29, 2023, AEA and DOT&PF secured approval of the FY24 annual update.
- FY25 Plan is due to FHWA and the Joint Office on September 1, 2024.



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

★ Sections with notable updates from FY24 plan

Community Engagement Outcomes Report

From July 2022 to June 2024 by the numbers

548

Attendees

100

Working Group

3

194

Technical Sessions

9

99

Combined

4

155

Workshops

12

28

Meetings

104

Communities*

51

In Alaska

50

In Lower 48

3

International

9,300

Emails Sent

54%

Open Rate

17%

Click Rate

176

Survey Responses

47

Communities

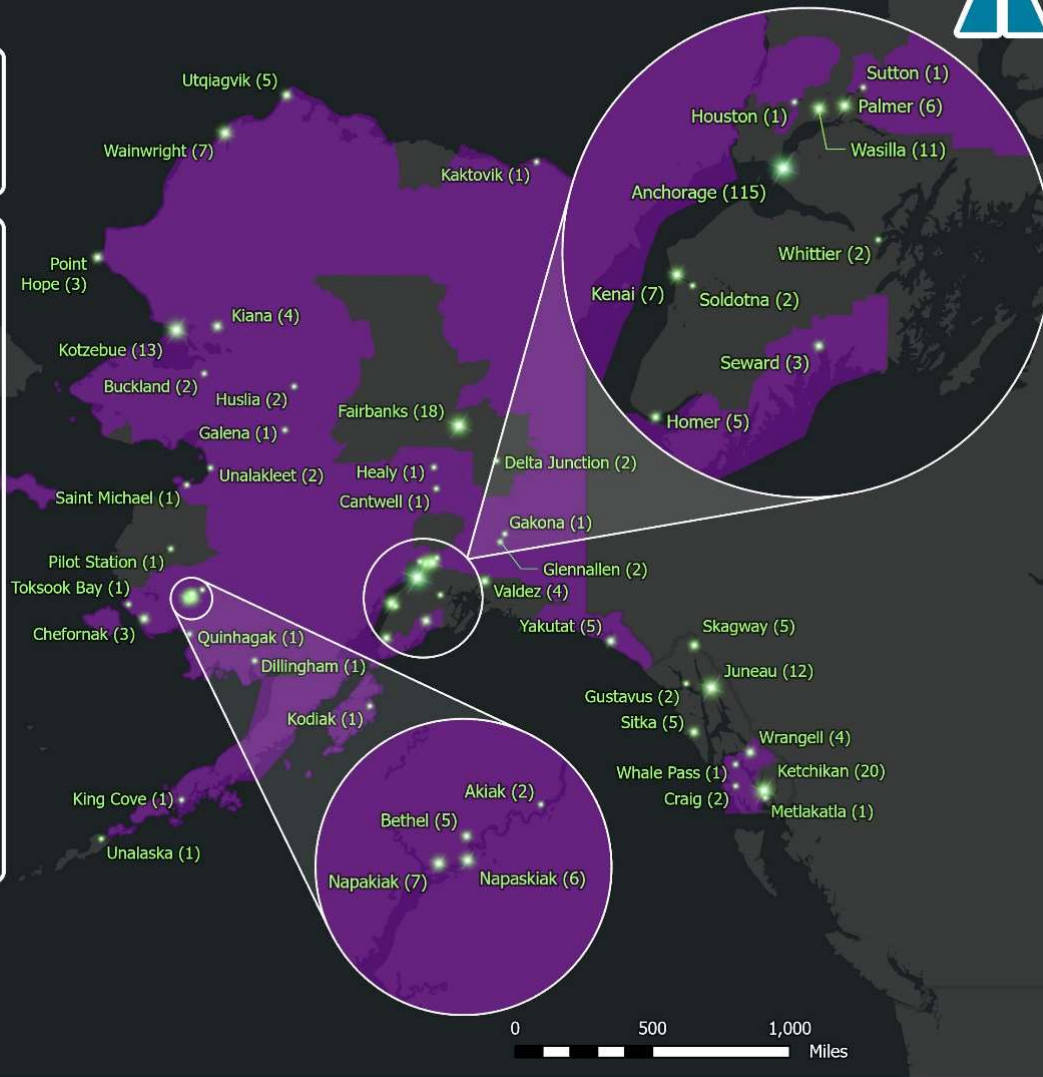
*Meeting attendee location, virtual or in-person, and community survey response locations

Last updated 6/17/24



Outreach Participation Outside Alaska

Cleveland (5)
Cookeville (1)
Dana Point (3)
Irvine (1)
Kansas City (1)
Los Angeles (1)
Manahawkin (1)
Martinez (2)
Milpitas (1)
New York (1)
Nogales (1)
North Bend (2)
Northampton Center (1)
Oregon (2)
Pittsburgh (1)
Portland (1)
Pottsboro (1)
Rolla (2)
San Francisco (1)
San Jose (3)
Santo Domingo, Dominican Republic (1)
Seattle (6)
Tacoma (1)
Toronto, Canada (2)
Washington (2)



WE ARE HERE

**PHASE
1**

Build out Alaska's
Alternative Fuel Corridor

PLANNING THIS

**PHASE
2**

Build out Alaska's Highway
and Marine Highway Systems

As funding allows ▶

**PHASE
3**

Install Charging Stations
in Rural Hub Communities

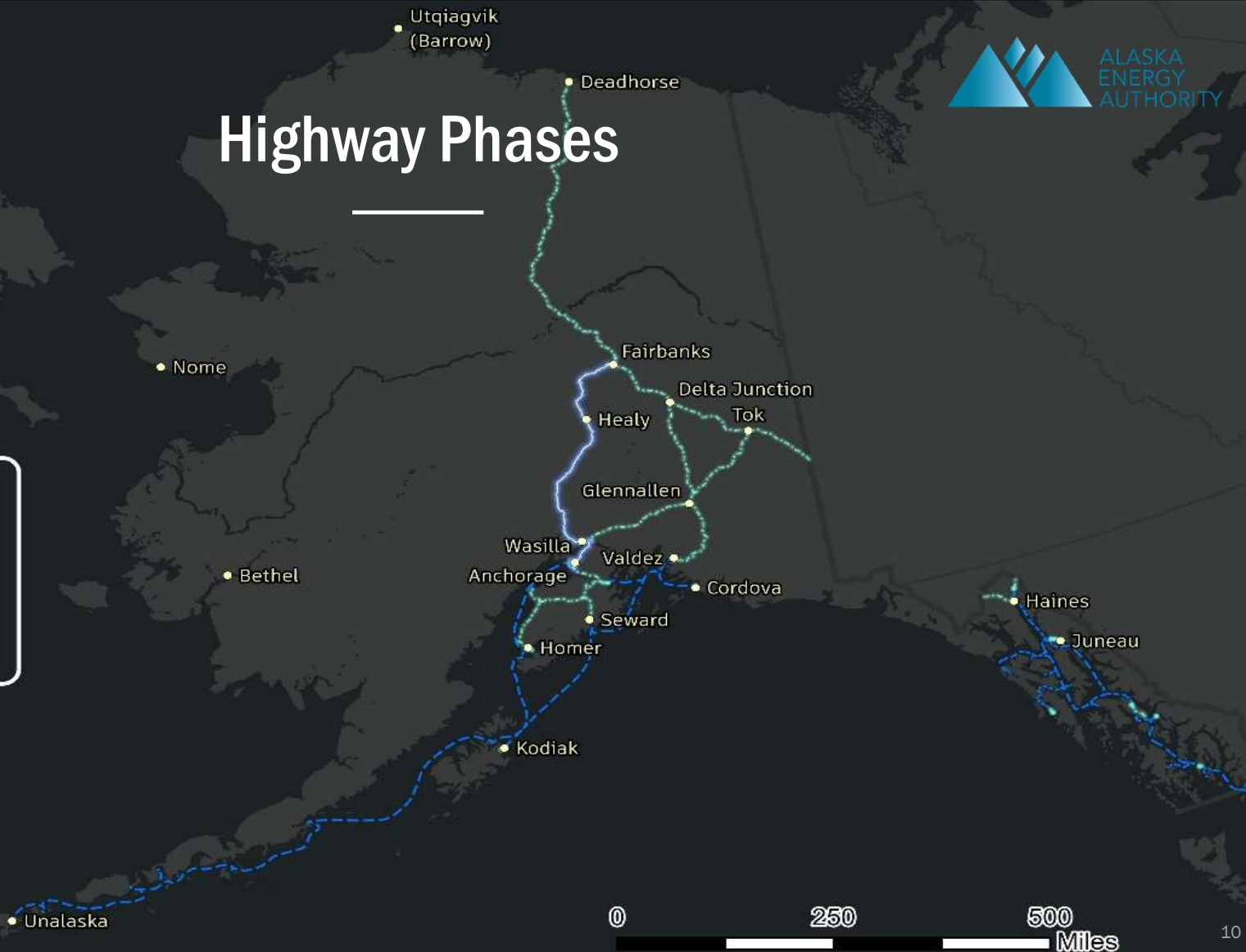
**PHASE
4**

Urban and
"Destination" Locations



Highway Phases

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

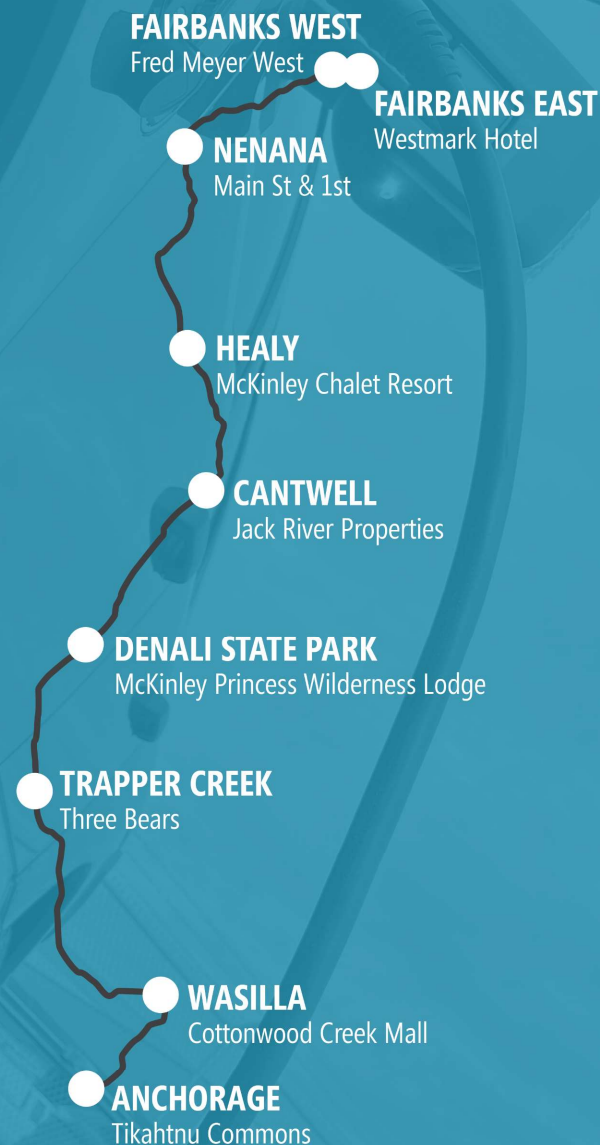


Phase One NEVI Awards

PRIORITY SITE	LOCATION	NETWORK PROVIDER
Fairbanks (east)	Westmark Hotel	Jule
Fairbanks (west)	Fred Meyer West	Tesla
Nenana	Main Street & 1st	Tesla
Healy	McKinley Chalet Resort	Jule
Cantwell	Jack River Properties	Tesla
Denali State Park	McKinley Princess Wilderness Lodge	Jule
Trapper Creek	Three Bears	Tesla
Wasilla	Cottonwood Creek Mall	FLO
Anchorage	Tikahtnu Commons	FLO

6 miles
50 miles
66 miles
28 miles
78 miles
20 miles
73 miles
37 miles

DISTANCE BETWEEN STATIONS



Site Design

PHASE 1 – AFC

- Requirement of 4 ports
- Charging infrastructure must be DC fast-charging
 - 4 Combined Charging System Connectors
 - >150 kW each
- 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

PHASE 2 – OFF-AFC

- Maintains requirement of 4 ports
- Flexibility on composition of ports
 - 4 DCFC
 - 2 DCFC, 2 Level 2
 - 4 Level 2
- Focus on AHS and AMHS
- Average NEVI federal award: \$711,000
 - Could deploy 45 more sites in FY25 with DCFC

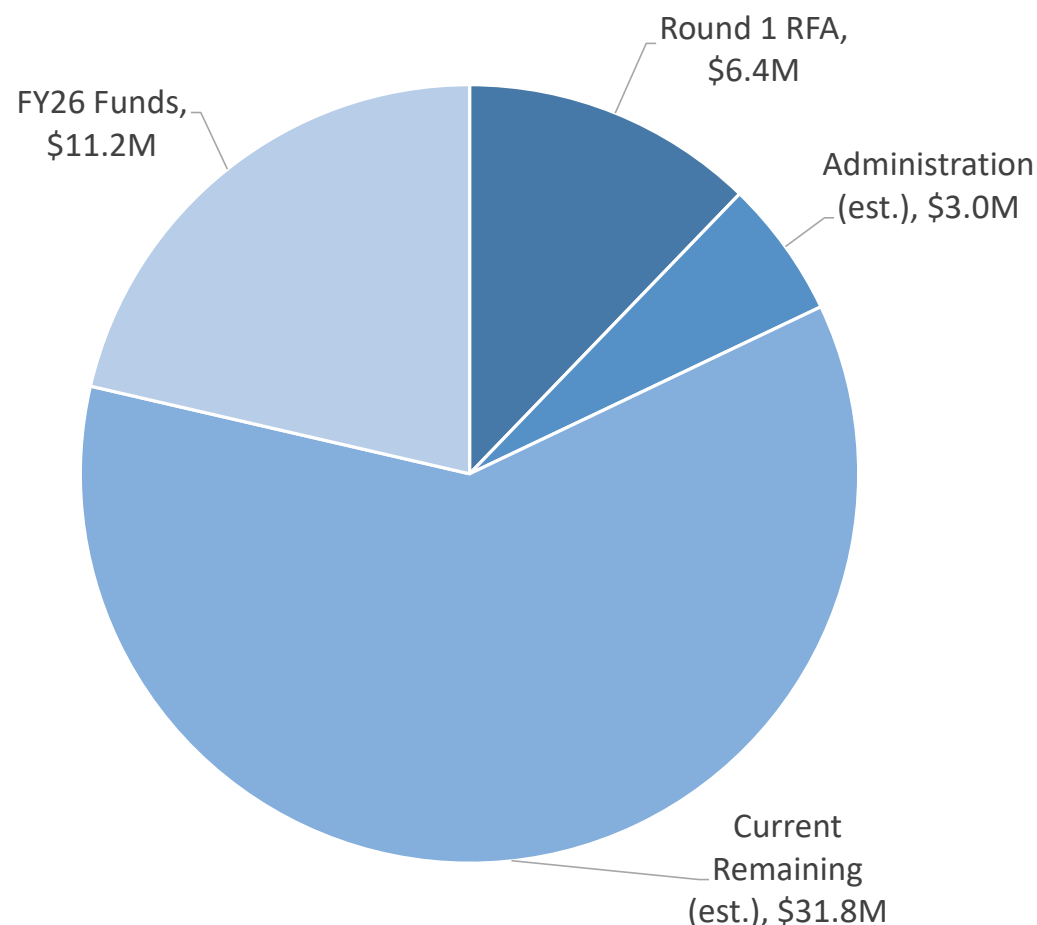


Phase 2 Outreach (so far)

- Ketchikan 5/10/24
- Glennallen 5/14/24
- Homer 5/15/24
- Seward 5/16/24
- Anchorage 5/20/24

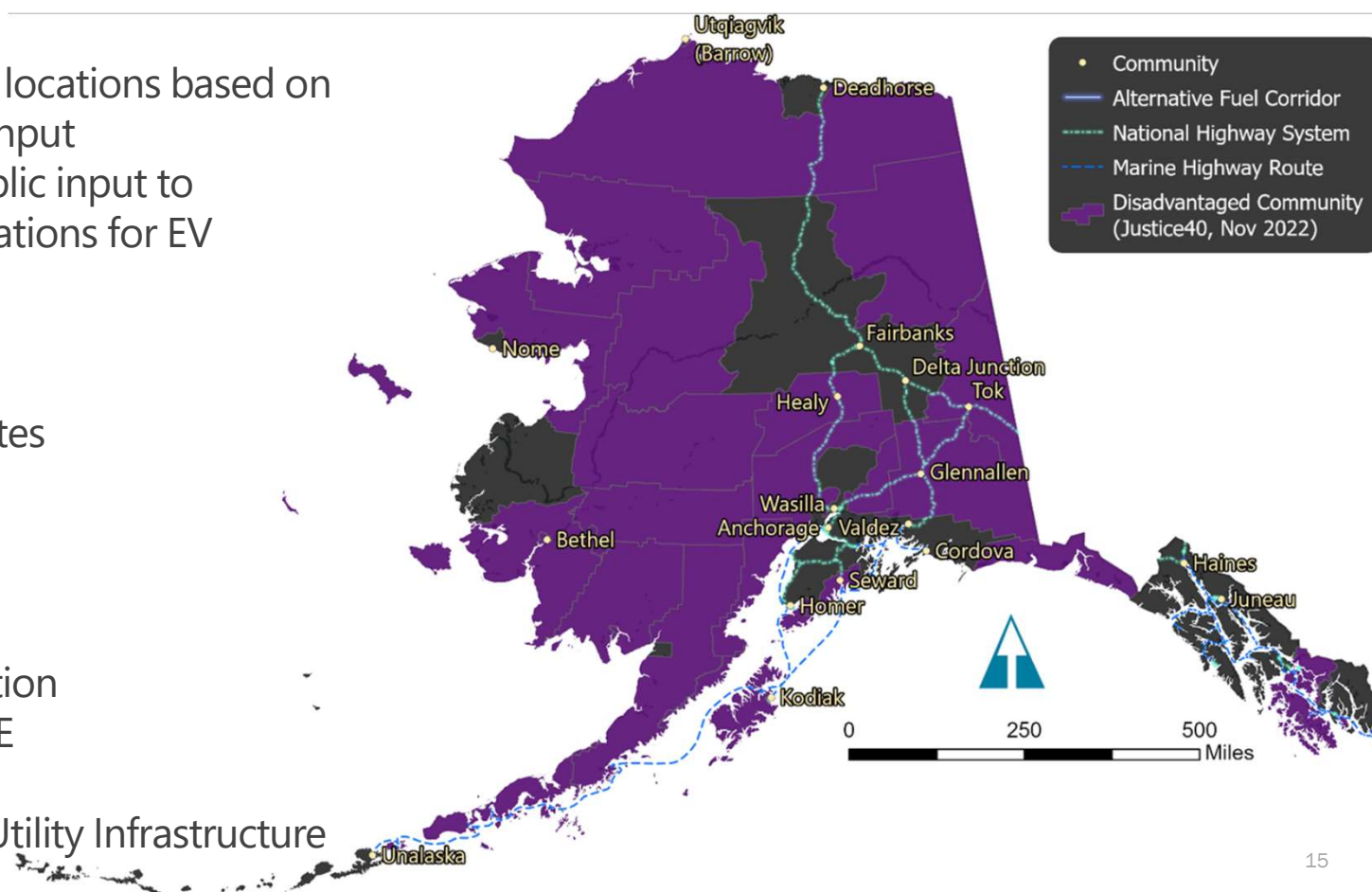
Funding – By the Numbers

- Total AK formula funding: \$52.4M
 - \$6.4M awarded in Round 1 for AFC
 - Approximately \$43M remaining in program
-
- \$41.3M received from FHWA following FY25 plan
 - Approximately \$31.8M in current funds remain
-
- \$11.2M to be awarded for FY26 – could be Phase 2 or other

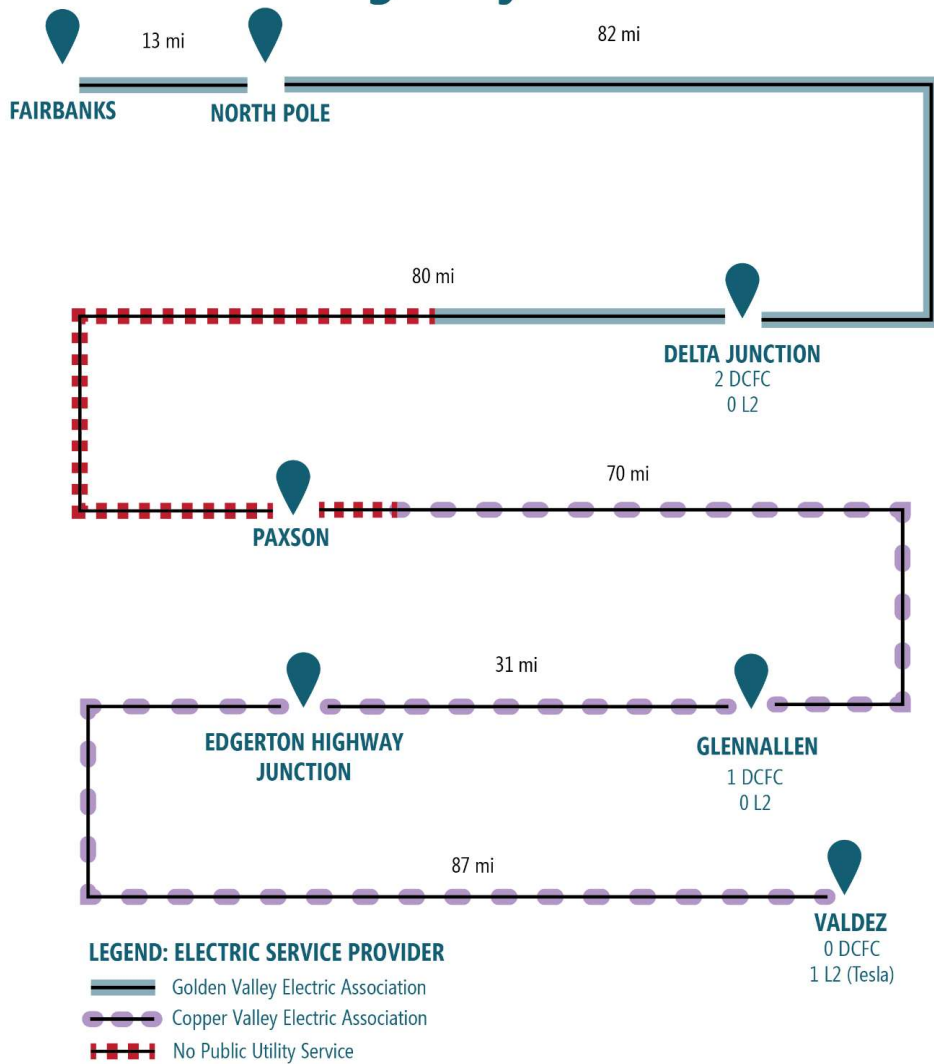


Site Prioritization

- Phase 1 (AFC) prioritized locations based on gap analysis and public input
- Phase 2 will leverage public input to prioritize community locations for EV charging
- Community inputs
 - DAC (y/n)
 - Distance Between Sites
 - Number of EVs
 - Flood Zones
 - Roadway Volumes
 - Existing Stations
 - Existing EVSE Utilization
 - Known Planned EVSE
 - Cost of Site
 - Power Availability / Utility Infrastructure



Richardson Highway



Alaska Marine Highway System





Phase 2 Outreach (ideas)

Workshops

- Tok
- Delta Junction
- Valdez
- Cordova
- Skagway
- Sitka
- Kake
- Kodiak
- Unalaska

Survey

- Municipal Government
- Utility
- Tribal

FY25 DRAFT PLAN PUBLIC COMMENTS

- **Comment Period Opens 7/1**
- **Comment Period Closes 8/1**
- **Ignore formatting and focus on content**



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



Alaska Energy Authority



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