

ALASKA ENERGY AUTHORITY

AKEVWG: Technical Session

Josi Hartley: *Alaska Energy Authority &*
Adam Moser: *Alaska Department of Transportation and Public Facilities*

October 26, 2023



Agenda

- Introductions
 - *Name, Organization, Involvement with NEVI*
- AEA Update
- NEVI Project Structure
- Schedule
- Q&A



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.

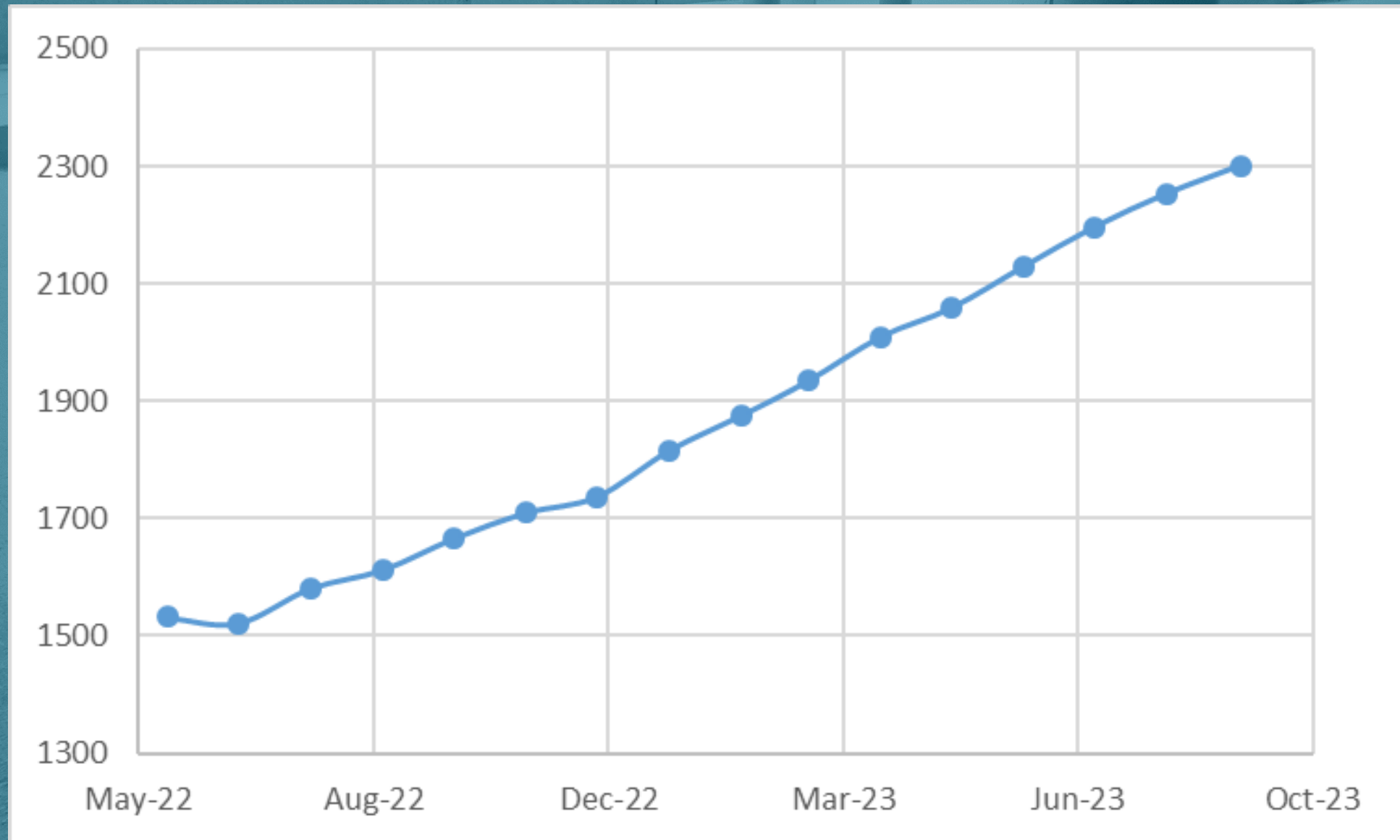


AEA EV Program Goal

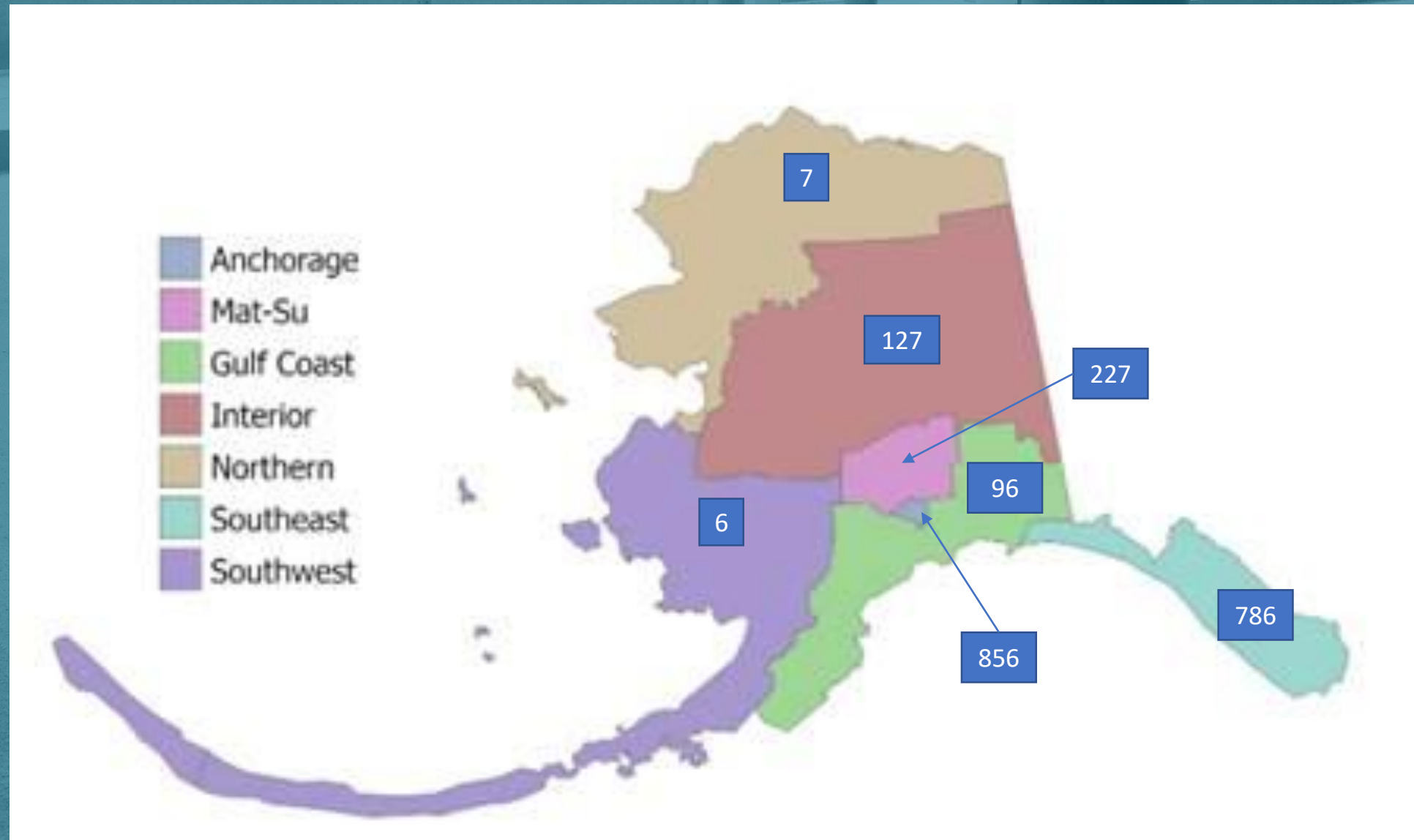
Lead the effort to
**minimize barriers to
EV adoption** in Alaska.

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

EV Registrations: Alaska DMV Data



EV Geographic Distribution



Alaska Rural EVSE Deployment (ARED)

AEA and Partners:

ACEP, Ahtna, Alaska Department of Transportation & Public Facilities (DOT&PF), AML, Launch Alaska and Yellowstone Teton Clean Cities Coalition

DOE Vehicle Technologies Office Award: 3 Year Period of Performance

High Level Project Goals:

Electrify rural and disadvantaged Alaskan communities in multiple energy regions through the installation of EVSE.

- At least 40% of the program benefits will be received by DAC's.
- Develop and implement plans for installing EVSE with the best fit for community needs.
- Team will designate hub communities and conduct outreach.

EVSE: Electric Vehicle Supply Equipment

DAC: Disadvantaged Community



ARED Phases of Work

Task 0: Program Management and Planning

- Establish Project Management Plan and Project Framework

Task 1: Community Engagement and Alignment

- Conduct outreach to understand community buy-in for EVSE

Task 2: Site Selection and EVSE Installation

- Install EVSE in rural hub communities and initiate data collection
- Install up to 11 sites per designated energy region

Task 3: Performance Reporting and Lessons Learned

- Goal is to analyze collected data and disseminate to stakeholders

Charging and Fueling Infrastructure (CFI) Program

Objective: Deploy publicly accessible EV charging and other alternative fueling infrastructure in communities and along AFCs.

- **Joint CFI Application between DOT&PF and AEA**
- **Community Program Application**
 - L2 and DCFC stations for coastal communities along the Marine Highway System
- **\$15 million project**
- **Anticipated Award Decision Date: ~Q4 2023**



Alaska FY24 NEVI Plan

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

- On September 30, 2023, **the FY24 plan was approved.**
- Unlocks an additional **\$11.1 million** for **FY24**
- All **discretionary exception requests** were **approved.**



State of Alaska Electric Vehicle Infrastructure Implementation Plan FY24



ALASKA
ENERGY
AUTHORITY





Build out Alaska's
Alternative Fuel Corridor



Build out Alaska's Highway
and Marine Highway Systems

As funding allows ►



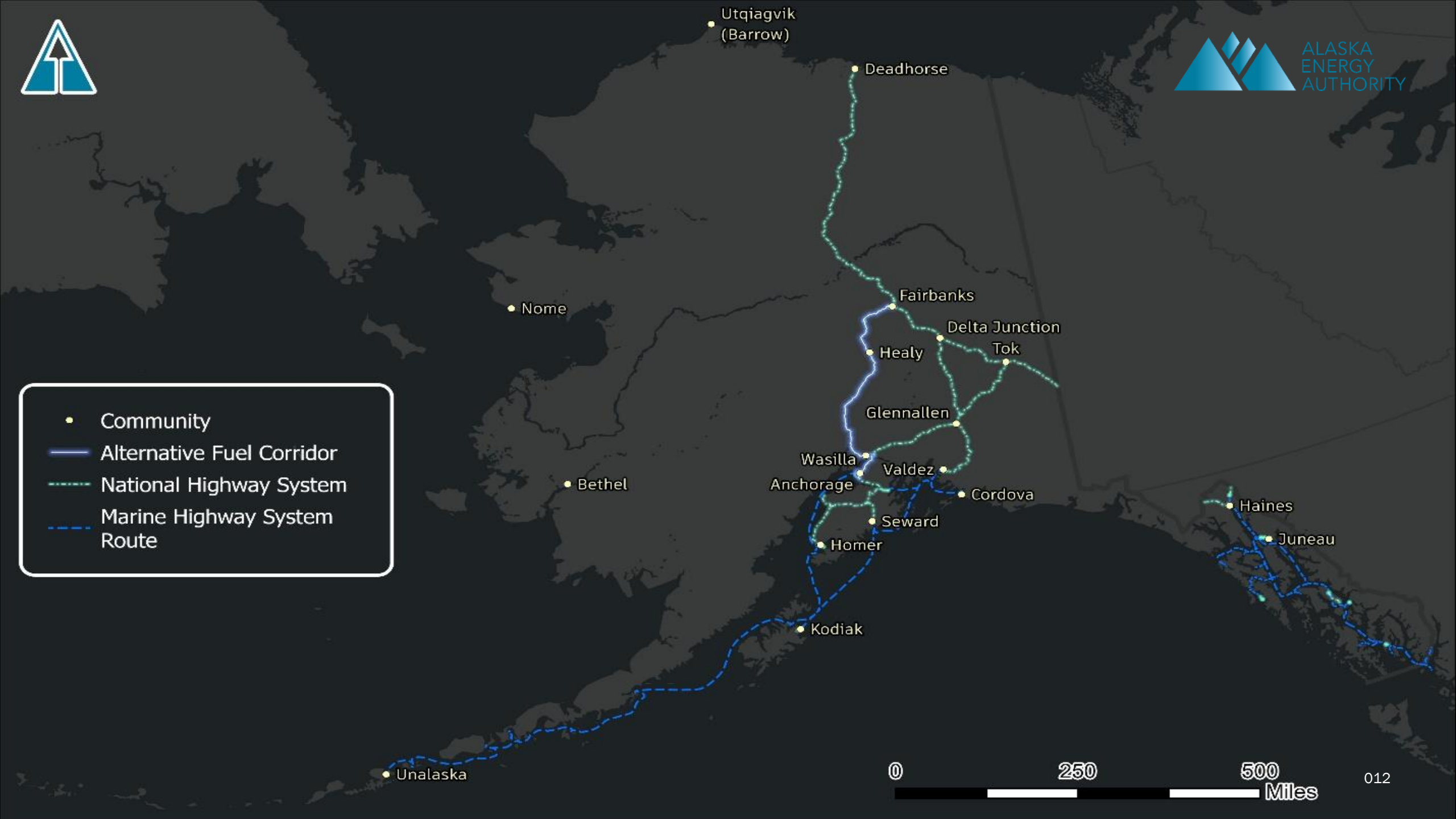
Install Charging Stations
in Rural Hub Communities



Urban and
"Destination" Locations



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



Number of Applications Received by Location

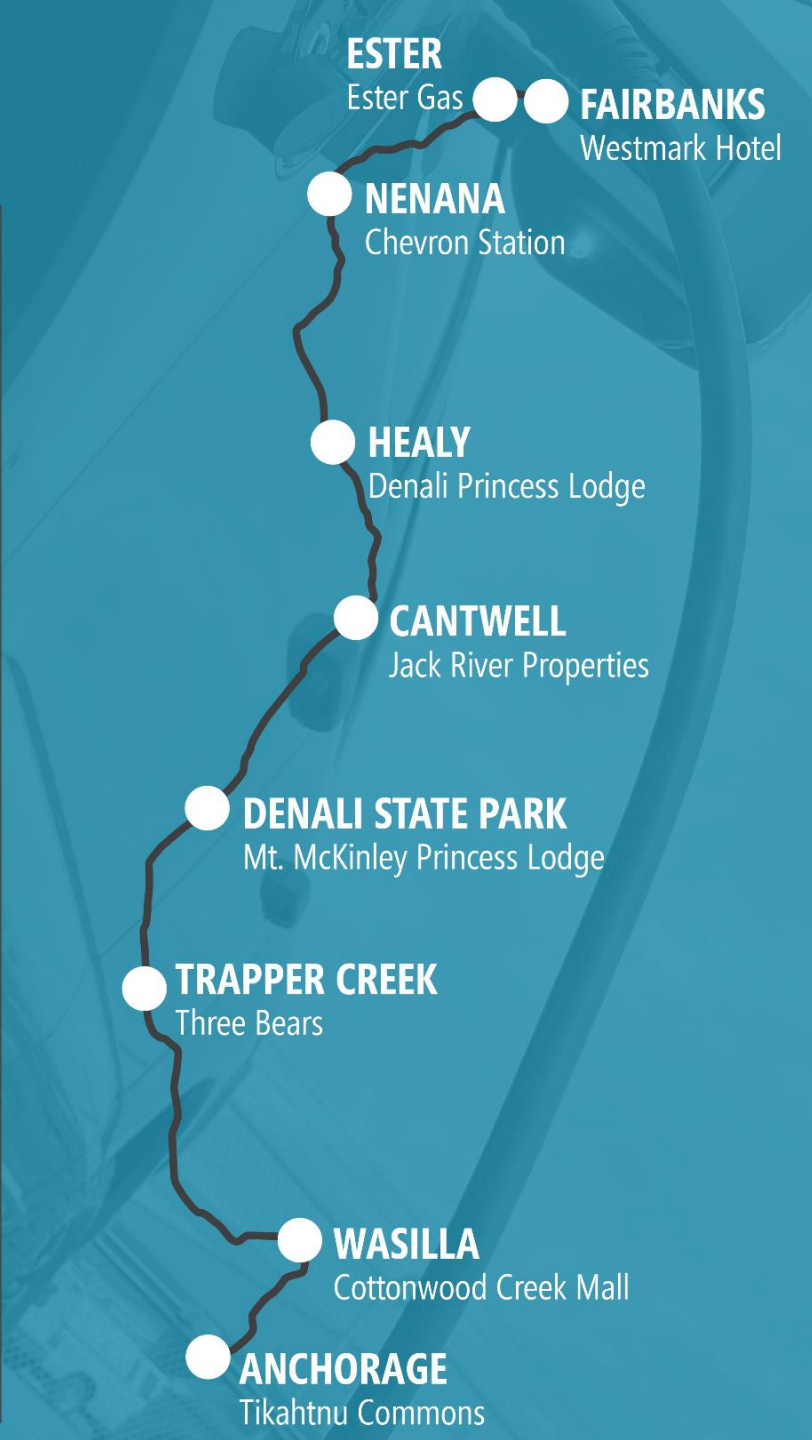
4 Fairbanks	1 Willow
1 Ester	2 Houston
5 Nenana	3 Wasilla
3 Healy	1 Chugiak
1 Denali State Park	2 Eagle River
3 Cantwell	5 Anchorage
3 Trapper Creek	



Phase One NEVI Awards

PRIORITY SITE	LOCATION	NETWORK PROVIDER
Fairbanks	Westmark Hotel	Jule
Ester	Ester Gas	Tesla
Nenana	Chevron Station	Tesla
Healy	Denali Princess Lodge	Jule
Cantwell	Jack River Properties	Tesla
Denali State Park	Mt. McKinley Princess Lodge	Jule
Trapper Creek	Three Bears	Tesla
Wasilla	Cottonwood Creek Mall	FLO
Anchorage	Tikahtnu Commons	FLO

DISTANCE BETWEEN STATIONS



AEA/ DOT&PF Requests from Site Hosts:

- 1. Contact list and main POC for project team**
- 2. Provide final site configuration**
 - Will serve as basis for NEPA review process
- 3. Review and update proposed schedule**
 - Identify expected lead times
- 4. Review and update proposed budget**
 - Describe approach to meeting the 20% match requirement (cash vs. in-kind)

Due to AEA and DOT&PF by November 16, 2023

FHWA Phases of Work

1. **ATP 1: Preliminary Design through Environmental Documents**
 - Site hosts, DOT&PF, AEA sign preliminary project agreement (PA)
2. **ATP 2: Construction and Utilities**
 - Individual federal aid agreements/project ATPs issued in April
 - Site Hosts, DOT&PF and AEA sign final PAs
 - Includes final budget and schedule
 - No reimbursable costs until ATP 2 and final PA in place
 - DOT&PF Title 23 Certification of final design will be required

ATP: Authorization to Proceed



Environmental Review

1. DOT&PF to conduct NEPA activities

- DOT&PF has assumed NEPA responsibilities under Section 327 Assignment from FHWA
- Estimated cost per site for NEPA is \$2k - \$8k (could increase if a site visit is required)
- Costs incurred during the NEPA phase are not reimbursable to awardees
- Awardee will need to provide match for the costs associated with NEPA approval

2. NEPA start: January 2024

- Soft start on reviews after site hosts confirm site configurations

3. NEPA end: March 2024

- Required permits will be identified
- Site hosts responsible for obtaining permits



Project Budgets

1. Site host to identify approach for meeting match requirement

- Cash vs. in-kind
- Match sources must be identified prior to final execution of award.
 - Cash match paid or pre-approval of in-kind sources.

2. DOT&PF and AEA Costs

- 6.35% DOT&PF ICAP and AEA rate will be applied to each project budget
- DOT&PF ICAP is adjusted annually on July 1

ICAP: Indirect Cost Allocation Plan



Schedule

November 16:

November 16:

December 05:

December 19:

January 2024:

March 2024:

April 2024:

April 2024:

Deadline for requested documents from site hosts

Preliminary PA for site host review

Site host comments on PA due

Preliminary PAs signed

NEPA start

NEPA end

ATP 2 in place, final PAs signed

Begin site construction

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

Alaska Energy Authority

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