

ALASKA ENERGY AUTHORITY

Alaska's NEVI Program: Request for Applications

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Agenda

NEVI Program

- Background
- Implementation Plan
- Basic Program Requirements

Request for Applications

- Scope and Eligibility
- Funding Availability
- Tentative Schedule
- Application Requirements
- Evaluation Process





NEVI Background

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 (Alaska DOT&PF passing through to AEA)



Designated Alternative Fuel Corridors (AFC's)



Annual Implementation Plan Required

State of Alaska EV Infrastructure Implementation 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.



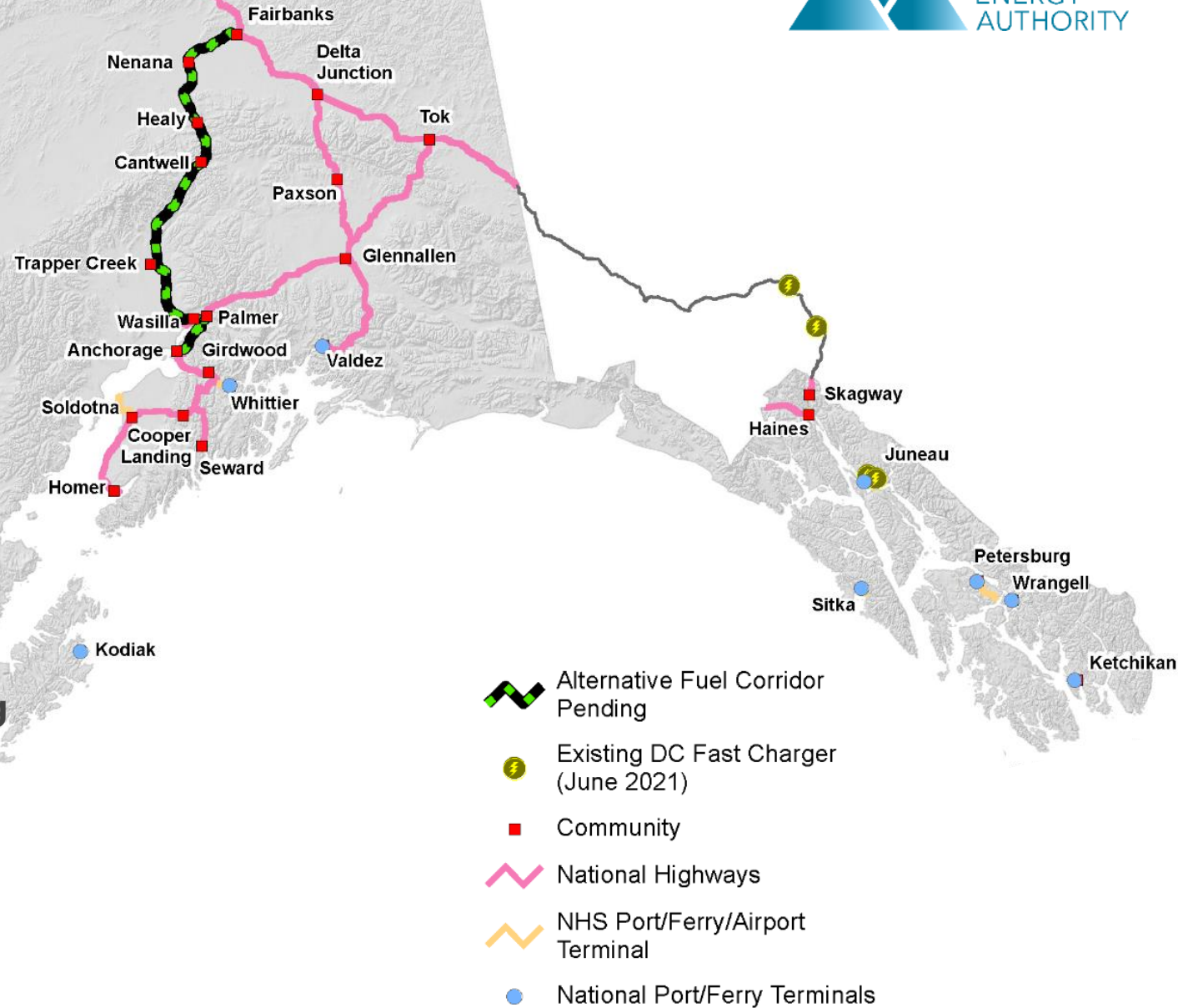
State of Alaska Electric Vehicle Infrastructure Implementation Plan



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
- Match Requirements
 - Federal share: 80%
 - Private entity or other: 20%



RFA Scope: Phase 1



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

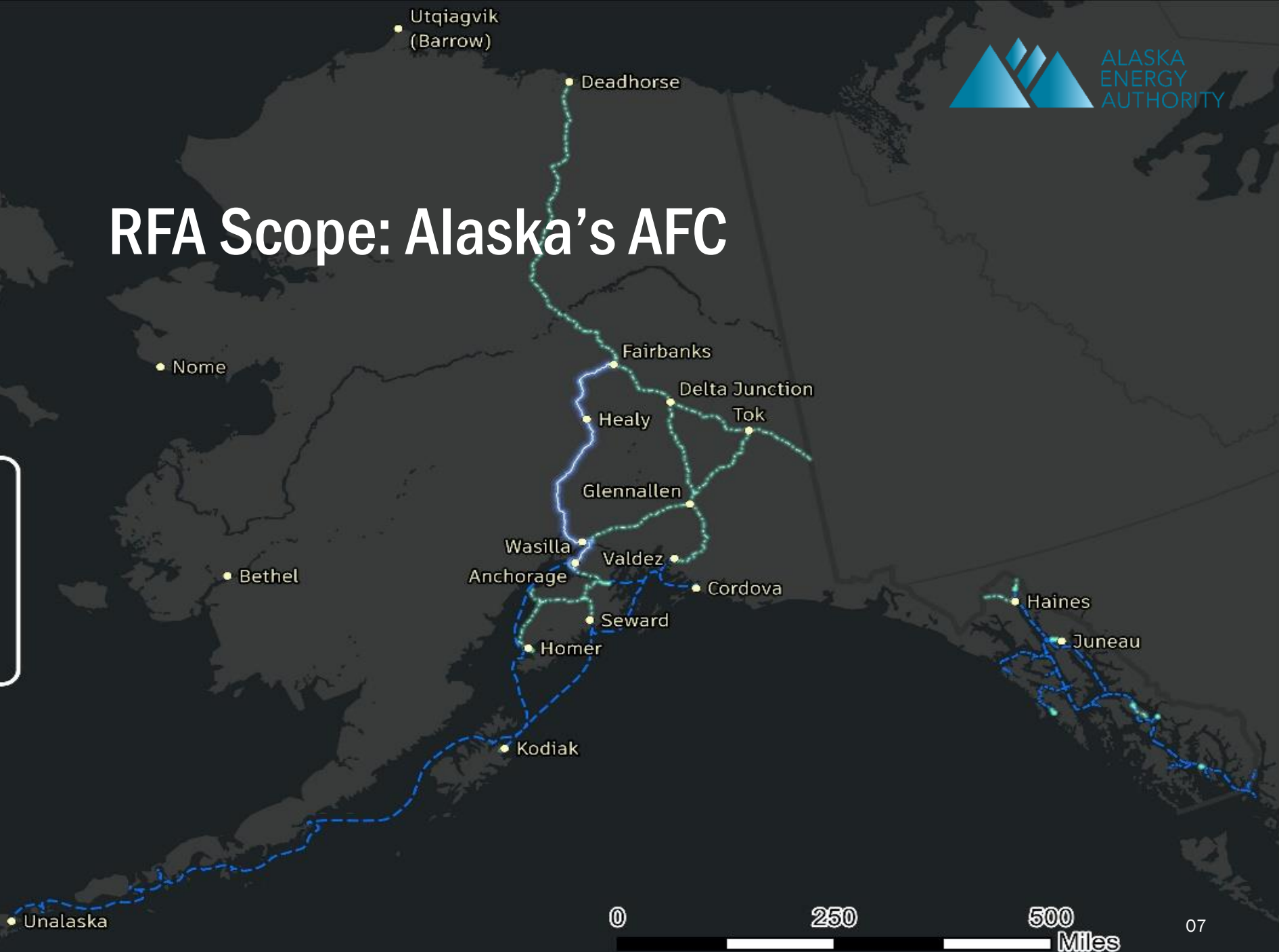


Urban and
"Destination" Locations

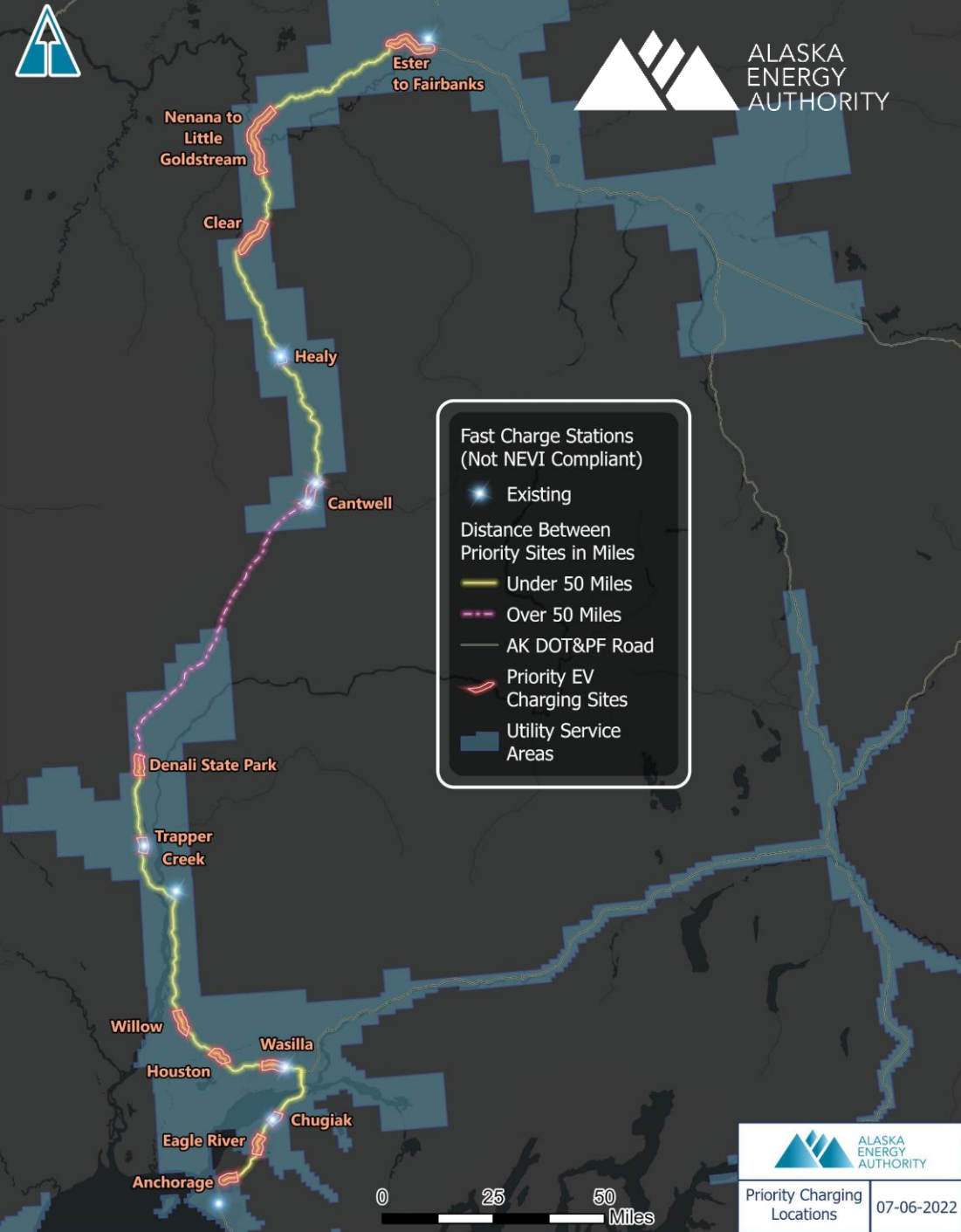
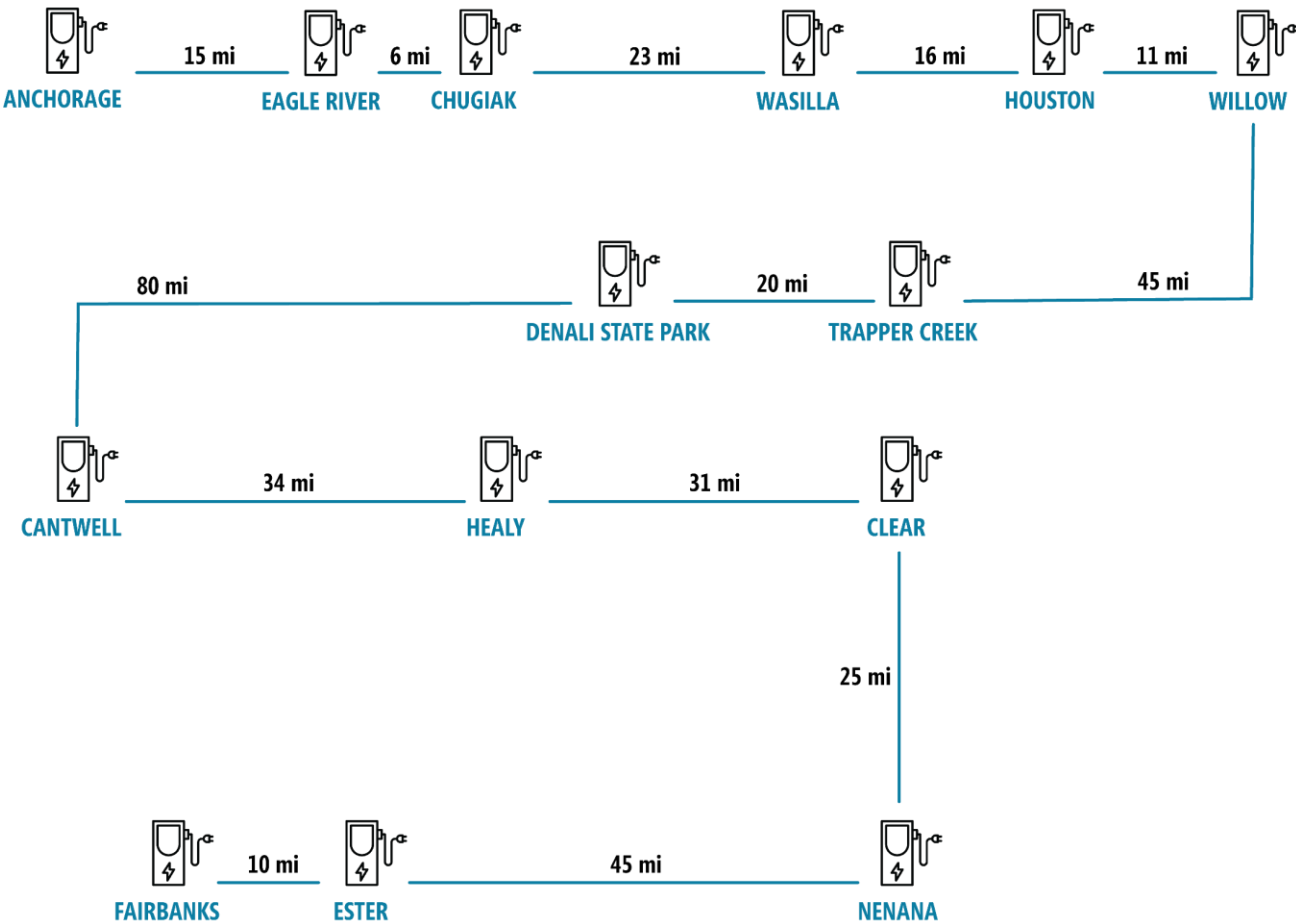


RFA Scope: Alaska's AFC

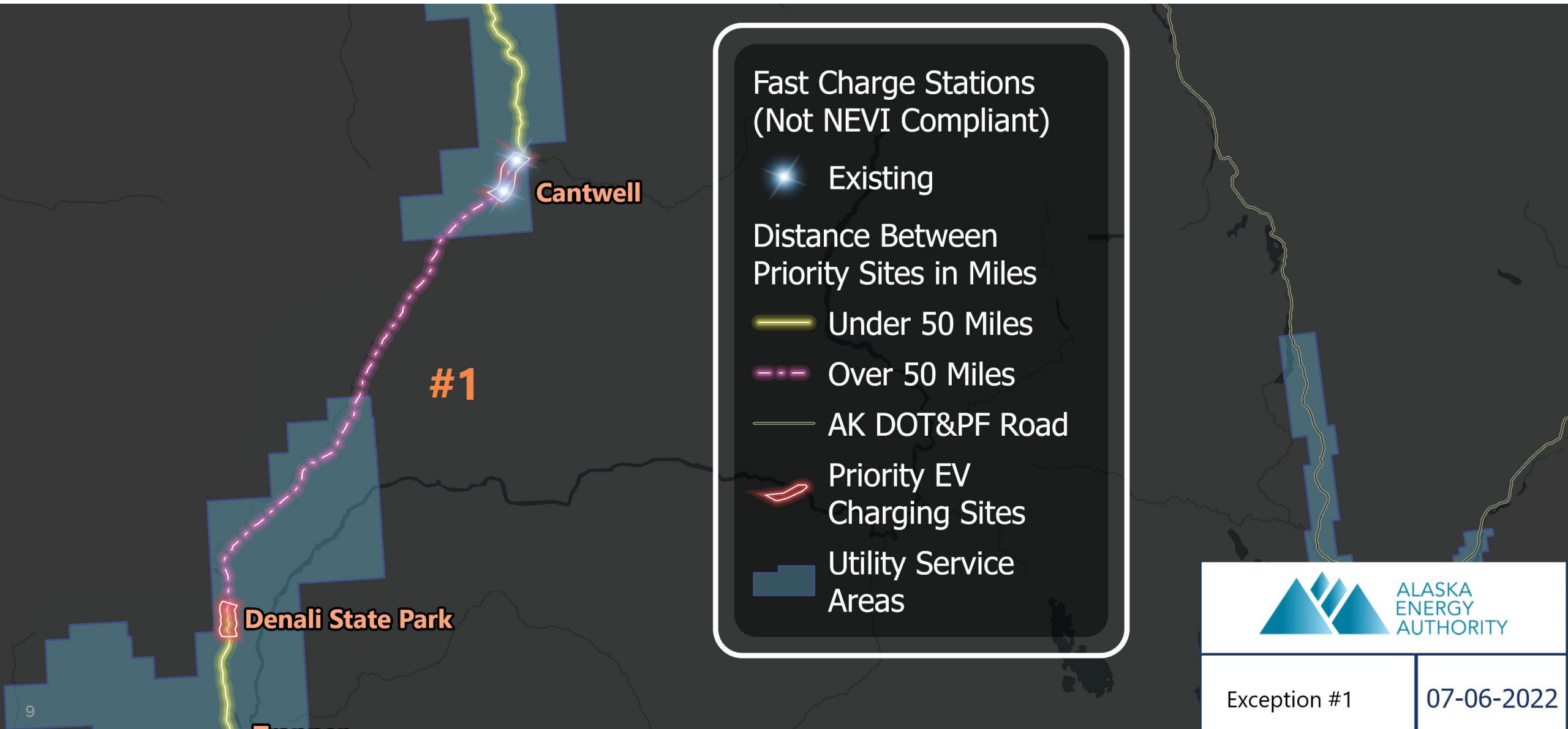
- Community
- Alternative Fuel Corridor
- - - National Highway System
- - - Marine Highway System Route



Priority AFC Areas



Discretionary Exception





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

Eligibility and Funding (cont'd)

Eligible Project Costs

- ✓ Planning, Engineering and Design
- ✓ Construction and procurement
- ✓ Minor grid upgrades
- ✓ Costs to upgrade existing EVSE
- ✓ O&M and warranties up to five years
- ✓ Data sharing

Ineligible Project Costs

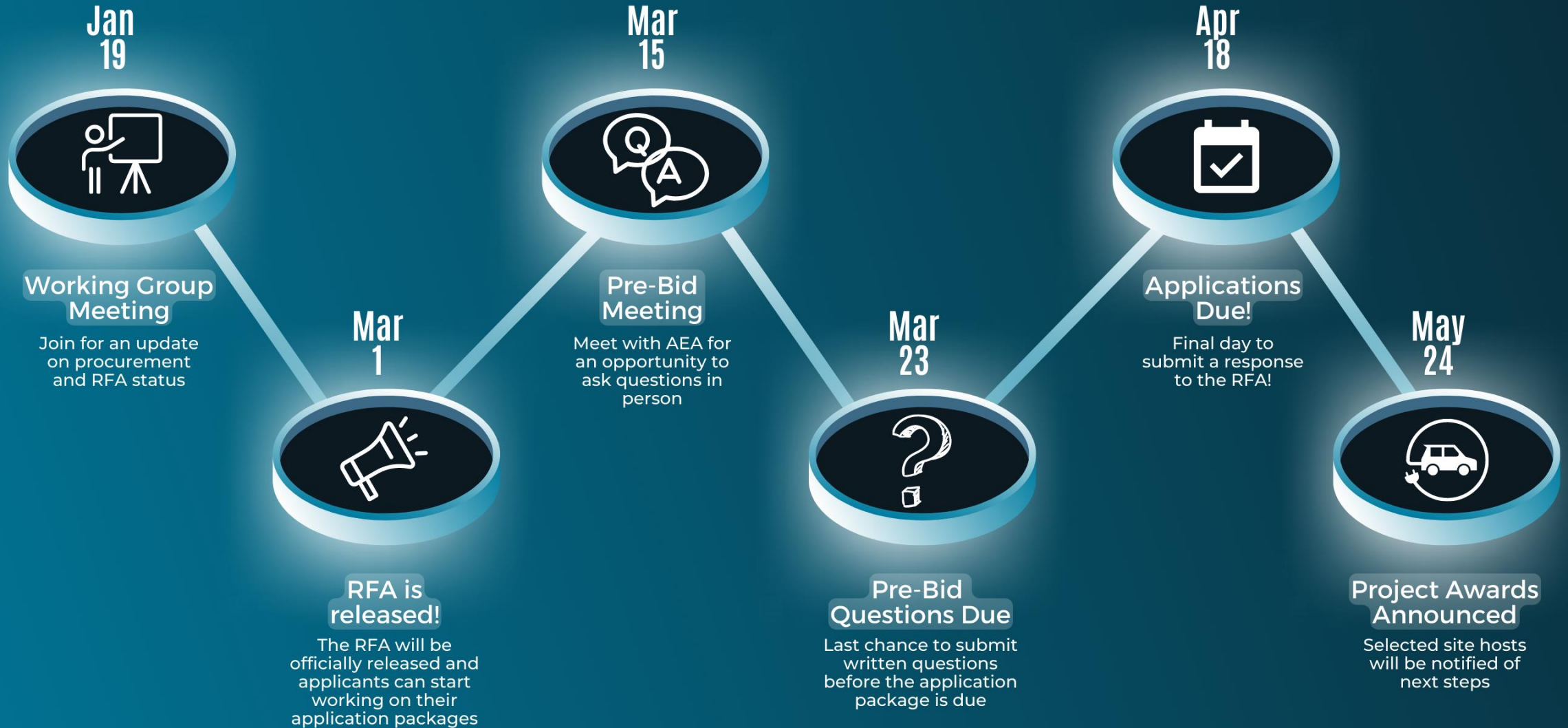
- ✗ Costs incurred prior to grant award
- ✗ Costs not related to EVSE
- ✗ Construction of building and parking facilities
- ✗ Major grid upgrades
- ✗ Purchase or lease of real estate

Funding Availability

- Up to \$16 million available for this solicitation
- Expecting ~\$1 Million per project
- Currently no project budget cap



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



Application Requirements

Section	Application Component	Form	Page Limit
1	Administrative Application		
1.1	Signature Page/Authorized Signers	Attachment 6	
1.2	Applicant Certifications	Attachment 7	
2	Technical Application		
2.1	Understanding of Program and Project Methodology Narrative		3
2.2	Management Plan, Schedule, Development and Operation Narrative		4
2.3	Experience and Qualifications Narrative		3
2.4	Resumes of Project Team		10
2.5	Past EVSE Installations of Contractor		3
2.6	Site Proposal Summary Form	Attachment 3	
2.7	Utility Service Site Information Form	Attachment 4	
3	Pricing Application		
3.1	Site Pricing Application Cost Form	Attachment 5	
3.2	Site Pricing Application Narrative		1

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	400	40%
<i>Maximum Technical Application Score</i>	<i>900</i>	<i>90%</i>
Pricing Scoring Element	Max Points	% of Total
Site Pricing Application Cost	50	5%
Site Pricing Application Narrative	50	5%
<i>Maximum Pricing Application Score</i>	<i>100</i>	<i>10%</i>
<i>Overall Maximum Application Score</i>	<i>1000</i>	<i>100%</i>



Technical Narrative

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	400	40%
<i>Maximum Technical Proposal Score</i>	<i>900</i>	<i>90%</i>

Understanding of Project Methodology (10%)

- Narrative: 3 page maximum
 - Approach to meeting NEVI requirements
 - Pertinent Issues and potential problems

Management Plan, Schedule, Development & Ops (20%)

- Narrative: 4 page maximum
 - Project Team and roles
 - Project Schedule
 - Approach to O&M
 - Buy America and Uptime Requirements Approach

Experience and Qualifications (20%)

- Project Team One-Page Resumes
- Narrative: 3 page maximum
 - Previous EVSE Installation Experience (Contractor reference projects)

Technical: Site Proposal

- **Site Proposal (40%)**
 - Site Proposal Summary Form
 - Utility Service Site Information Form

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	400	40%
Maximum Technical Proposal Score	900	90%

Criterion	Max Points
Site has adequate lighting	20
Utility Service Site Information Form Evaluation Clear understanding of utility and infrastructure needs for the site. Alignment with project schedule	80
Site is located within 1 mile of the highway Within 1 mile: 60 points 1-3 miles: 40 points 3-5 miles: 20 points Over 5 miles: 0 points	60
Site has amenities for travelers to access such as restrooms, food, and shopping	60
Site is located within a Justice40 boundary	40
Site match contribution 20%: 40 points 25%: 60 points 30% 80 points	80
Site has existing EV infrastructure	20
Site has adequate power for requirements	40
Total Available Base Points	400
Bonus Considerations	Max Points
Site offers pull through charging access	20
Site offers make-ready work for additional ports in the future	20
Site offers make-ready work for increased speed (e.g. 350 kW) in the future	20
Site offers additional plug standards to be inclusive of other drivers (e.g. Tesla, CHAdeMO)	20

Site Proposal and Utility Service Forms

Site Proposal Form

- Site information and location
- Site host entity and contact information
- Equipment Vendor
- EVSE Specs
- Site Map and Schematic
- Site Amenities

Utility Service Site Information Form

- Assessment of existing electric service infrastructure
- Nearest 3-phase source and transformer location
- Service requirements
 - Number of chargers, power level
- Cost estimate (from utility)
 - Transformers and pad
 - Utility poles, risers and terminators
 - 3-phase line extensions



Pricing Application

Site Pricing Application Cost (5%)

- Site Pricing Application Form
 - Design and Permitting
 - Utility Equipment, Infrastructure and Improvements
 - Site Preparation and Construction
 - EVSE Hardware and Software
 - Five-year operations and maintenance costs

Site Pricing Application Narrative (5%)

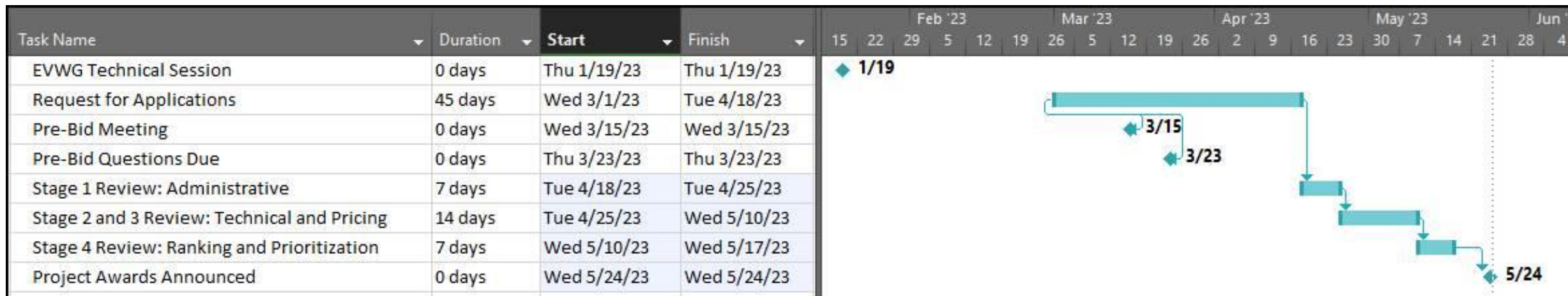
- Narrative: 1 page maximum
 - Context related to construction, operations and maintenance
 - Define assumptions

Pricing Scoring Element	Max Points	% of Total
Site Pricing Application Cost	50	5%
Site Pricing Application Narrative	50	5%
<i>Maximum Site Pricing Application Score</i>	100	10%

Site Pricing Application Score =
(Lowest Cost Application / Candidate's Cost Amount) x 50

Evaluation Process

- **Stage 1 Review: Completeness and Eligibility**
- **Stage 2 Review: Evaluation of Technical Application (90%)**
 - Methodology (10%)
 - Management Plan, Schedule, Development and Operation (20%)
 - Experience and Qualifications (20%)
 - Site Proposal (40%)
- **Stage 3 Review: Evaluation of Pricing Application (10%)**
- **Stage 4 Review: Final Ranking and Prioritization of Projects**



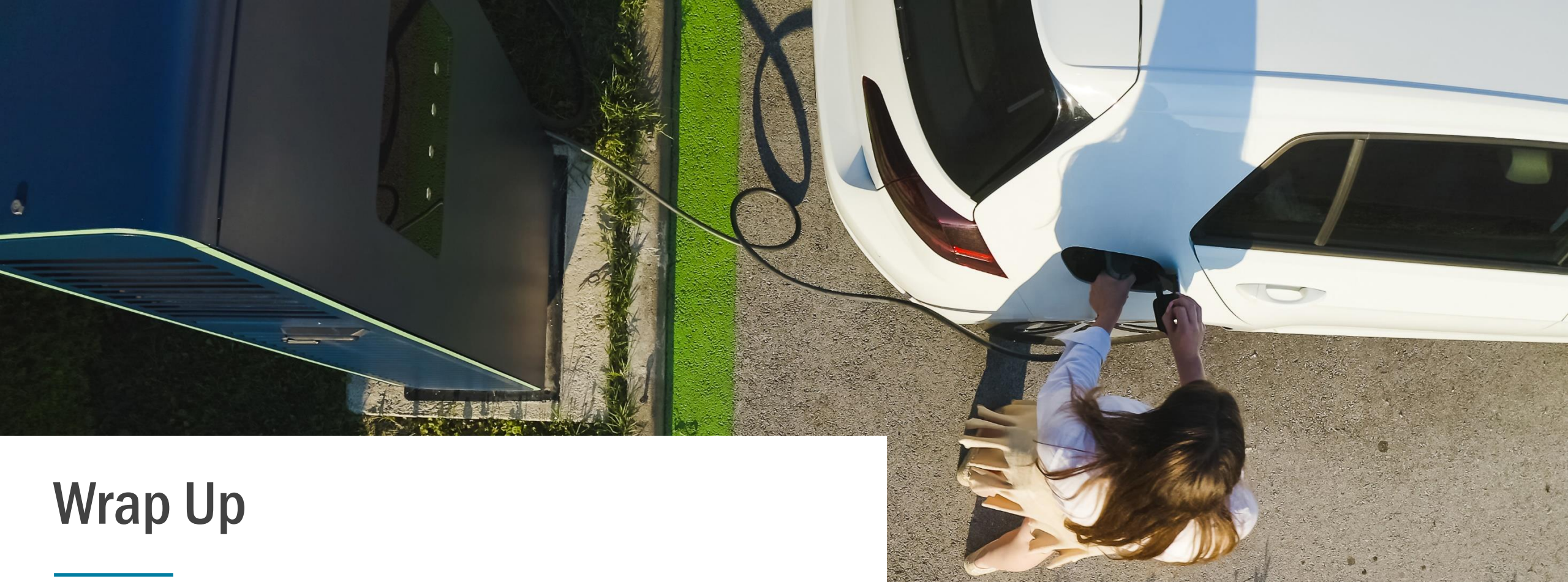
Draft Notice of Proposed Rulemaking

- Minimum Equipment Specifications
- Uptime Calculations
- Data Collection
- Data Reporting
- Connector Type(s) – permanent
- OCPP Requirement
- Payment
- Buy America



Draft Waiver of Buy America Requirements

- Beginning on January 1, 2023, FHWA proposes to remove from the waiver EV chargers whose final assembly process does not occur in the United States. On and after that date, for EV chargers that are installed in a project FHWA proposes the waiver would be applicable only if final assembly occurs in the U.S.
- Beginning on July 1, 2023, FHWA proposes to also remove from the waiver EV chargers for which the cost of components manufactured in the United States does not exceed 25 percent of the cost of all components. On and after that date, for EV chargers that are installed in a project through December 31, 2023, FHWA proposes the waiver would be applicable only if: (i) final assembly occurs in the U.S.; and (ii) the cost of components manufactured in the United States exceeds 25 percent of the cost of all components.
- Beginning on January 1, 2024, and thereafter, FHWA proposes to also remove from the waiver EV chargers for which the cost of components manufactured in the United States does not exceed 55 percent of the cost of all components. On and after that date, FHWA proposes the waiver would be applicable only if: (i) final assembly occurs in the U.S.; and (ii) the cost of components manufactured in the United States exceeds 55 percent of the cost of all components.



Wrap Up

- Publish forms and attachments to AEA's website
- Feedback and questions
- Q&A from this session will be recorded and distributed to the group

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

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