

ALASKA ENERGY AUTHORITY

# TURNING RISK INTO READINESS

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Tank Farm (Bulk Fuel) Disaster  
Preparedness Workshop  
February 17, 2026



50 YEARS OF SERVICE



# AEA Programs and Services Overview



## Owned Assets

- Bradley Lake Hydroelectric Project
- Alaska Intertie
- Sterling to Quartz Creek Transmission Line
- Cook Inlet PowerLink



## Power Cost Equalization

- \$46 Million Program
- 188 Rural Communities
- 81 Electric Utilities
- Benefits 81,000+ Alaskans (All figures reflect FY2025)



## Rural Energy

- Bulk Fuel Upgrades
- Rural Power System Upgrades
- Circuit Rider Program
- Electrical Emergency Assistance



## Renewable Energy and Energy Efficiency

- Renewable projects; biomass, electric vehicles, hydroelectric, solar, and wind
- Federal programs: NEVI and Home Energy and High Efficiency Rebate Allocation



## Grants and Loans

- Renewable Energy Fund
- Power Project Fund
- Federal Grants



## Energy Planning

- Alaska Energy Security Task Force
- State Energy Security Profile
- Electronic Library
- Energy Data Resources
- 40101(d) Grid Resilience



## Railbelt Transmission Organization

- AEA, Railbelt Reliability Council, and Utility Governance
- Certificate of Public Convenience and Necessity
- Tariff Under Regulatory Review

# AEA Active Projects and Services

## Grants and Loans

- Power Project Fund
- Renewable Energy Fund

## Owned Assets

- Other Transmission Lines
- Transmission
- Transmission Lines Owned by AEA

## Power Cost Equalization

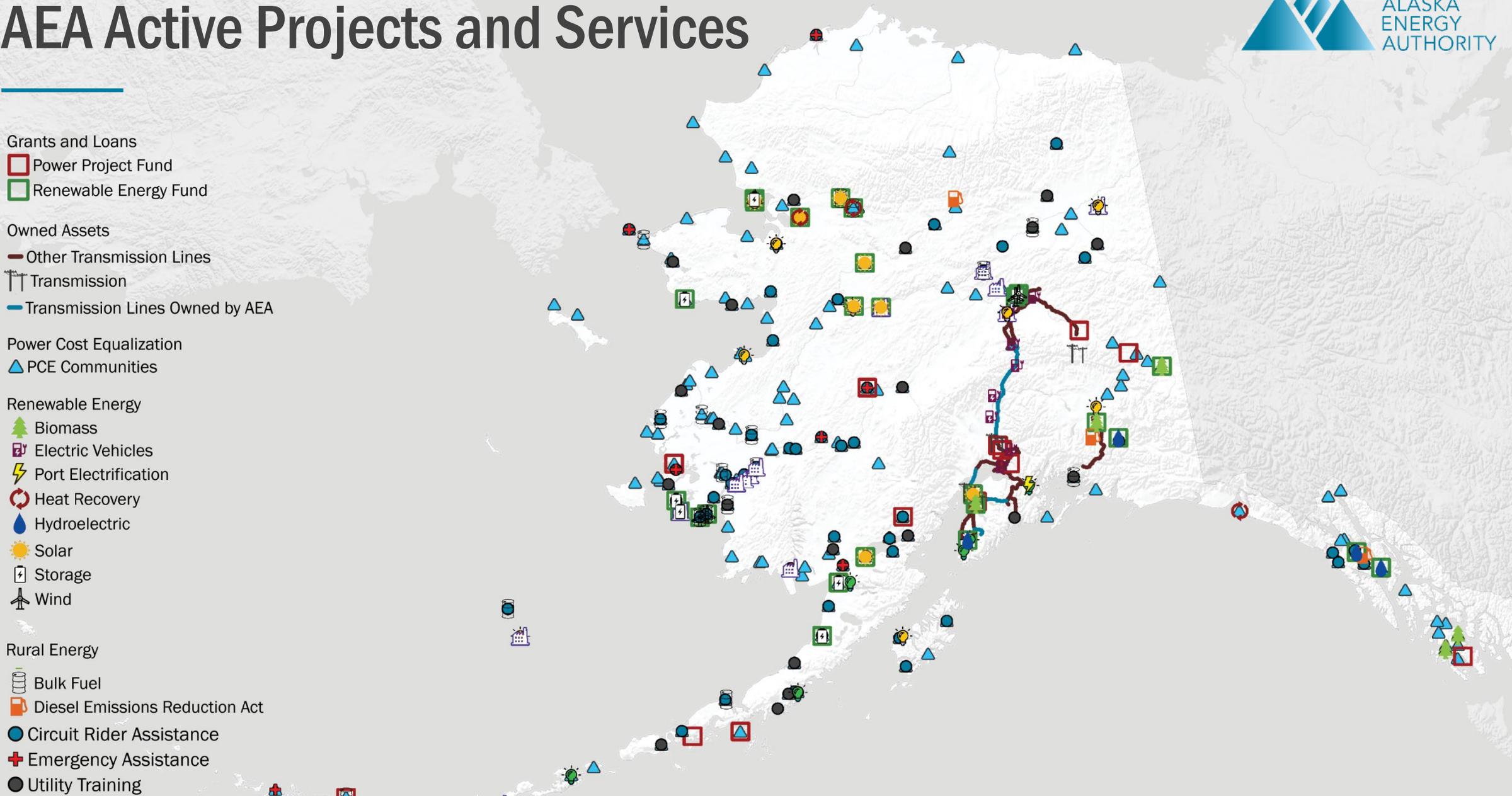
- PCE Communities

## Renewable Energy

- Biomass
- Electric Vehicles
- Port Electrification
- Heat Recovery
- Hydroelectric
- Solar
- Storage
- Wind

## Rural Energy

- Bulk Fuel
- Diesel Emissions Reduction Act
- Circuit Rider Assistance
- Emergency Assistance
- Utility Training



# Building Skills to Prevent Incidents

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- **Alaska Vocational Technical Center Training (AVTEC)**  
In cooperation with AVTEC in Seward, Alaska, AEA supports **vocational** and **technical training** opportunities for rural bulk fuel operators.  
Bulk Fuel Operator  
Person in Charge
- **AEA Itinerant Bulk Fuel Operator Training**  
The AEA Circuit Rider team provides **Operations and Maintenance** training on bulk fuel facilities.





## Bulk Fuel Operator (BFO)

OPERATIONS & MAINTENANCE

### ☰ Core Curriculum

- ✓ Facility operations & construction
- ✓ Tank farm inspections & maintenance
- ✓ Inventory control & safety
- ✓ Firefighting & spill response

 **Duration**  
2-week, hands-on

 **Schedule**  
2× per year (Spring/Summer & Late Summer/Fall)

 **Location**  
AVTEC – Seward

 **Class Size**  
10 students



## Person in Charge (PIC)

COMPLIANCE & INSPECTIONS

### ☰ Core Curriculum

- ✓ United States Coast Guard inspections
- ✓ Fuel hazards, tank systems & venting
- ✓ Offloading, documentation & calcs
- ✓ Emergency response & pollution

 **Duration**  
1-week course

 **Schedule**  
1× per year (Late Winter/Early Spring)

 **Location**  
AVTEC – Seward

 **Class Size**  
10 students

 **Coast Guard–required**

# AEA Itinerant Bulk Fuel Operator Training



## What We Do

- Conduct on-site facility and resource assessments
- Provide hands-on training tailored to assessment findings
- Troubleshoot operational issues alongside local operators

## What We Provide

- Select PPE and tools to support routine Operations & Maintenance (O&M)
- AEA Bulk Fuel Operator Handbook

## How It Works

- Circuit Rider reports findings to the local Bulk Fuel Manager
- Communities selected from operators who have completed AVTEC training

## When

- Conducted during non-freezing months (~May–September)

## 2025 Activity

- 19 site visits conducted

# AEA Circuit Rider Assistance

**Remote** and **On-site Assistance** is available.



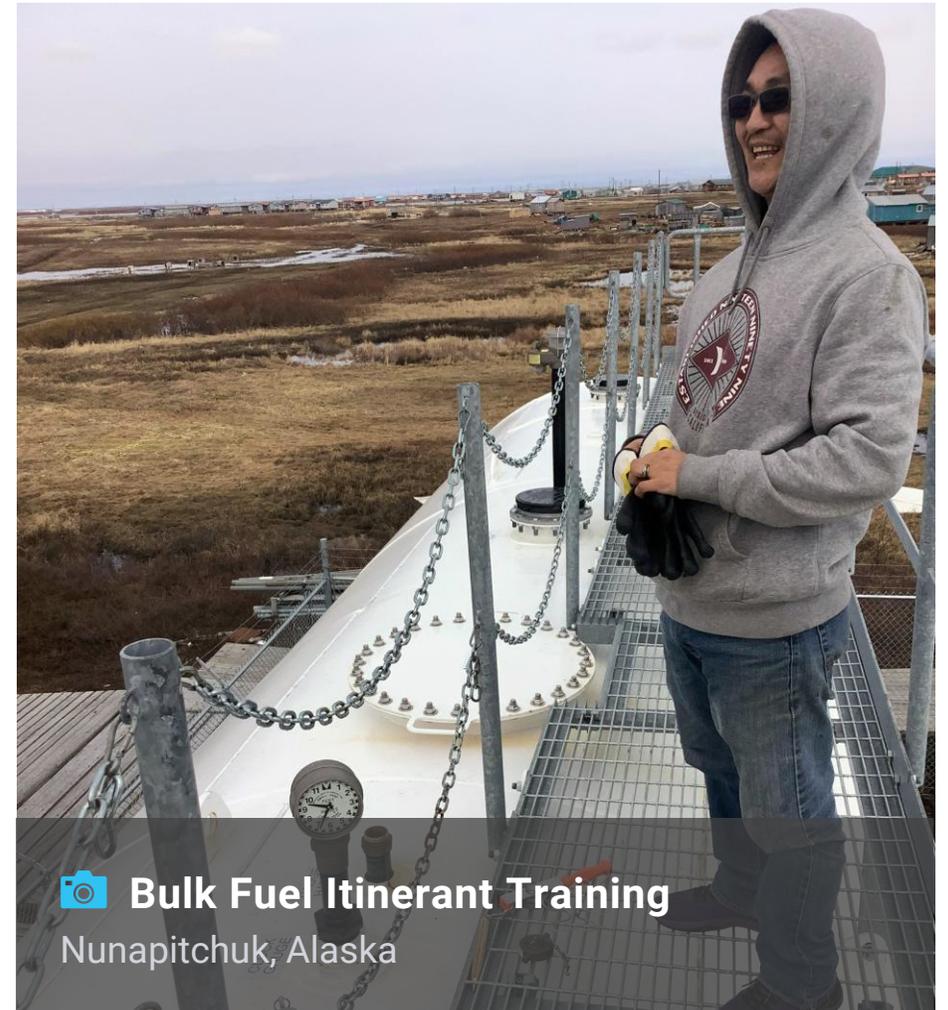
## Remote Technical Assistance

- Real-time troubleshooting by phone
- Support via text and email



## On-site Technical Assistance

- Provided during scheduled training trips
- Hands-on support that reinforces operator training



 **Bulk Fuel Itinerant Training**  
Nunapitchuk, Alaska

# AEA Bulk Fuel Infrastructure Projects



## Enhancing Rural Energy Security

Modernizing bulk fuel storage and distribution infrastructure across Alaska



### Full Replacement and M&I

Complete inventory and assessment list.  
Comprehensive process: CDR, Design, and Construction phases.



### Project Investments

New Tank Farm Average: **\$11M**  
M&I Projects: **\$600K - \$800K**



### Alaska Bulk Fuel Infrastructure Partnership

Partners: AEA, Alaska Native Tribal Health Consortium AVEC  
Sub-Award: **~\$50M** (Aniak, Eek, Russian Mission, Shageluk, Tuluksak)



### Project Timeline

**Spring Schedule:** Diomedes and Tununak  
**Recently Completed:** Wales and Nelson Lagoon



# Thank You

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