

ALASKA ENERGY AUTHORITY

AEA FISCAL YEAR 2027 BUDGET OVERVIEW

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Executive Director

House Commerce, Community, and
Economic Development:
Finance Subcommittee
February 17, 2026



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

- \$47 Million Program
- 193 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: National Electric Vehicle Infrastructure 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

FY2027 Operating Budget Summary



FY2026 Management Plan:

Component	Federal	State UGF	State DGF	Other	Total
AEA Facilities	-	-	-	1,199.0	1,199.0
Rural Energy Assistance	535.1	3,812.6	2,950.3	7,514.2	14,812.2
Power Cost Equalization	-	-	48,283.7	-	48,283.7
Statewide Project, AEE (IIJA)	-	-	-	6,211.2	6,211.2
Railbelt Transmission Organization (RTO)*	-	-	-	-	-
TOTAL	535.1	3,812.6	51,234.0	14,924.4	70,506.1

FY27 Change Records:

Component	Federal	State UGF	State DGF	Other	Total
AEA Facilities	-	-	-	-	-
Rural Energy Assistance	6.9	(854.2)	29.5	184.1	(633.7)
Power Cost Equalization	-	-	(3,415.8)	-	(3,415.8)
Statewide Project, AEE (IIJA)	-	-	-	177.0	177.0
Railbelt Transmission Organization (RTO)*	-	1,306.2	-	923.5	2,229.7
TOTAL	6.9	452.0	(3,386.3)	1,284.6	(1,642.8)

FY27 Budget Request:

Component	Federal	State UGF	State DGF	Other	Total
AEA Facilities	-	-	-	1,199.0	1,199.0
Rural Energy Assistance	542.0	2,958.4	2,979.8	7,698.3	14,178.5
Power Cost Equalization	-	-	44,867.9	-	44,867.9
Statewide Project, AEE (IIJA)	-	-	-	6,388.2	6,388.2
Railbelt Transmission Organization (RTO)*	-	1,306.2	-	923.5	2,229.7
TOTAL	542.0	4,264.6	47,847.7	16,209.0	68,863.3

*RTO is a new Component in FY2027; in FY25 and FY26 RTO was funded through Rural Energy Assistance

FY2026 Operating Budget Supplemental



FY26 Operating Supplement - Budget Request:

Component	Federal	State UGF	State DGF	Other	Total
Rural Energy Assistance	-	250.0	-	-	250.0
TOTAL	-	250.0	-	-	250.0

FY2026 Supplemental Capital Requests Overview



Project/Program	Federal	State UGF	State DGF	Other	Total
Bulk Fuel Upgrades-EPA Funds to Denali Commission for AEA and Alaska Native Tribal Health Consortium	25,000,000	-	-	-	25,000,000
State Match for Indirect Costs	-	-	-	650,000	650,000
Bulk Fuel RUS-High Cost of Energy Grant	-	-	-	5,000,000	5,000,000
Electrical Emergencies Program	-	-	150,870	-	150,870
TOTAL	25,000,000	-	150,870	5,650,000	30,800,870

FY2027 Capital Requests Overview

Project/Program	Federal	State UGF	State DGF	Other	Total
Cruise Ship Terminal Port Electrification	-	-	-	15,300,000	15,300,000
Electrical Emergencies Program	-	350,000	-	-	350,000
Federal Tax Credits	-	-	-	-	-
TOTAL	-	350,000	-	15,300,000	15,650,000



Total Project Cost – \$400 Million

May Qualify for Up to \$100 Million in Federal Tax Credits



Bradley Lake Expansion Project

AEA is advancing the Bradley Lake Expansion Project, which includes the **Dixon Diversion** and **Bradley Pool Raise** sub-projects. This project will divert water from Dixon Glacier to increase Bradley Lake's annual energy production by **50 percent**.



ESTIMATED ANNUAL OUTPUT

180,000 MWh

≈ 30,000 homes powered



NATURAL GAS OFFSET

1.5 Billion cu ft

7.5% of unmet demand (2030)



TARGET COMPLETION

2031

Shovel-ready status



ESTIMATED COST

\$400 Million

Class IV Estimate

SOUTHCENTRAL ALASKA

Bradley Lake Hydroelectric Project

Total Project Cost – \$413 Million

Match of \$64.2 Million Secured; \$142.3 Million to Complete Financing

Cook Inlet PowerLink (CIPLink)

CIPLink is a high-voltage direct current (HVDC) transmission system connecting Southern and Central Railbelt regions. It features a **38-mile subsea cable** and overland routes to deliver **up to 200 MW** of bidirectional power flow.



CAPACITY

200 MW

Bidirectional Flow



CONNECTIVITY

Railbelt Link

Connects South & Central Regions



TARGET COMPLETION

2032

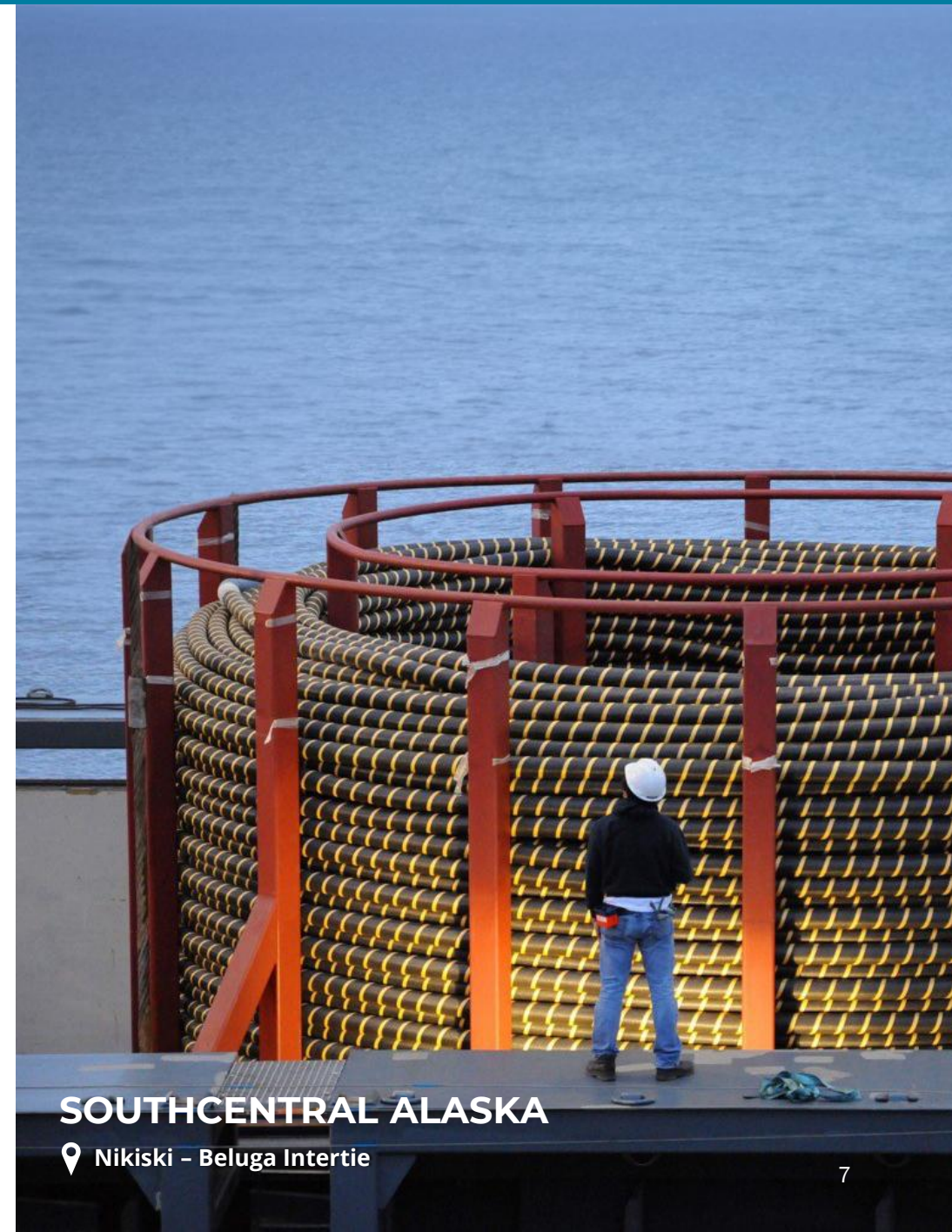
Shovel-ready status



ESTIMATED COST

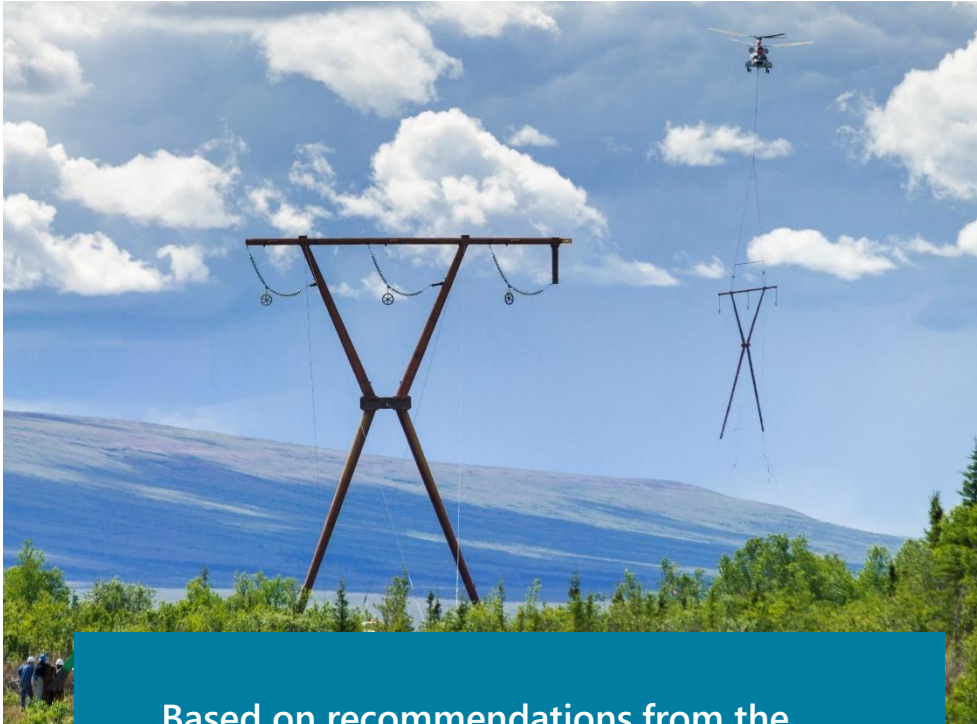
\$413 Million

Preliminary Engineering Done



SOUTHCENTRAL ALASKA

Nikiski - Beluga Intertie



Based on recommendations from the Governor's Alaska Energy Security Task Force—including eliminating transmission wheeling charges and establishing an RTO—the Legislature passed House Bill 307, signed into law on July 31, 2024. Under this new law, the RTO is established as a division of AEA.

Railbelt Transmission Organization (RTO)

- The RTO operates a **division of AEA** for administrative purposes.
- Governance includes representatives from **AEA, Chugach Electric Association, Golden Valley Electric Association, Homer Electric Association, Matanuska Electric Association, the City of Seward,** and the Railbelt Reliability Council (ex-officio, nonvoting member).
- The RTO received its **certificate to operate** from the Regulatory Commission of Alaska (RCA) on **May 6**.
- On **July 1**, the RTO filed a proposed **Open Access Transmission Tariff (OATT)** with the RCA, meeting its statutory deadline. The docket is pending at the RCA with a final order due June 4, 2026.
- The proposed OATT outlines terms for **network integration transmission service** and introduces a **formulaic tariff-based revenue mechanism** for recovering the costs to own and operate the backbone transmission system.

Renewable Energy Fund (REF)

REF Round 17 funded the **six top-ranked projects** recommended by **AEA**, with legislative approval and the Governor’s concurrence, for a **FY2026 appropriation of \$6.3 million**. For **Round 18**, **AEA** has recommended **29 applications totaling \$41.2 million** for consideration in the FY2027 Capital Budget.

Rounds 13-17: 67 projects – \$53.55M

- Rd 13: 11 Projects – \$4.75M
- Rd 14: 27 Projects – \$15M
- Rd 15: 18 Projects – \$17M
- Rd 16: 5 Projects – \$10.5M
- Rd 17: 6 Projects – \$6.3M



Kongiganak, Alaska



Since its inception, the State has invested **\$333 million** in the REF;



110+ projects are operational, and **56** more in **development**;



REF has **displaced 120 million gallons of diesel**—\$600 million in avoided costs at the FY2025 PCE rate of \$4.95 per gallon.

Rural Energy Infrastructure

Improving reliability and safety for Alaska's remote communities.



Rural Power System Upgrades

Improves generation in villages with <2,000 people by replacing inefficient mechanical systems with electronic generator sets.

Mitigates risk of aging system failure

ELIGIBLE
170
Communities

DEFERRED MAINT.
\$300 Million
Funding Need

Bulk Fuel Upgrades

Designs and builds modern, code-compliant bulk fuel facilities. Most existing facilities are >40 years old and pose safety risks.

Addresses corrosion and environmental risks

INVENTORY
400+
Facilities

DEFERRED MAINT.
\$1 Billion
Funding Need

Federal Funding for Bulk Fuel Infrastructure

Alaska Bulk Fuel Infrastructure Partnership

- **Funding:** \$100 million awarded to the Alaska Native Tribal Health Consortium (ANTHC) and subawarded to AEA and Alaska Village Electric Cooperative (AVEC) for project management
- **Partners:** Denali Commission, ANTHC, AEA, AVEC
- **Impact:** Largest single-year investment in **20+ years**; replaces failing infrastructure and improves safety and reliability
- **Communities:**
 - AEA - **Shageluk, Russian Mission, Eek, Aniak, Tuluksak**
 - AVEC - **Wales, Kivalina, Kobuk, Noatak, Quinhagak**
- **Schedule:** Aug. 2025–July 2028 | **Match:** None
- **Benefit :** Modern, resilient fuel storage for power, heat, and transportation

USDA Rural Utilities Service – High Energy Cost Grants

- **Funding:** \$5 million for bulk fuel maintenance and improvements
- **AEA Role:** Leads coordination, scoping, and community grant awards
- **Communities:** Atmautluak, Brevig Mission, Chignik Lake, Chuathbaluk, Diomede, McGrath, Sleetmute, Stony River, and Teller
- **Schedule:** Scope refinement in 2026; construction during 2026–2027 seasons
- **Benefit:** Extends safe operation and facility life by 5–10 years



Thank You

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APPENDIX

REF Round 18 Recommended Projects to Legislature



Rank	Community	Project Name	Applicant Name	Technology	Recommended Funding	Energy Region	Election District
1	Kokhanok	Kokhanok Community Center Biomass Heating Project	Kokhanok Village Council	Biomass	\$312,800	Bristol Bay	S-37
2	Petersburg, Ketchikan, Wrangell	SEAPA Grid Resiliency (Tyee Hydro Upgrade)	Southeast Alaska Power Agency	Hydro	\$2,000,000	Southeast	A-1
3	Allakaket, Alatna	Allakaket Village Community Solar and Battery IPP	Allakaket Village Council	Solar, Storage, Natural Gas	\$2,953,085	Yukon-Koyuk/Upper Tanana	R-36
4	Haines, Skagway, Dyea, Klukwan, Chilkat Valley	Goat Lake Hydro Reservoir Expansion - Construction	Goat Lake Hydro, Inc.	Hydro	\$2,000,000	Southeast	B-3
5	Kongiganak	500kwh BESS + Installation, Integration, including upgraded controls	Puvurnaq Power Company	Storage	\$596,000	Lower Yukon-Kuskokwim	S-38
6	Gambell	Gambell Battery Energy Storage System Project	Alaska Village Electric Cooperative, Inc.	Wind	\$1,932,516	Bering Straits	T-39
7	Elim	Elim Community Solar Project	Native Village of Elim	Solar, Storage	\$2,987,430	Bering Straits	T-39
8	Tuntutuliak	Tuntutuliak Turbine Repair & Upgrades	Tuntutuliak Community Services Association	Wind, Storage	\$565,000	Lower Yukon-Kuskokwim	S-38
9	Railbelt	Healy Volcanic Region Geothermal: Collaborative Data Collection and Subsurface Exploration	Alaska Renewables LLC	Geothermal, Transmission, Storage	\$1,248,029	Railbelt	O-30
10	Nome	NJUS Solar- Nome Banner Ridge Solar Farm	Nome Joint Utility System	Solar	\$3,950,000	Bering Straits	T-39
11	Unalakleet	Unalakleet Battery Energy Storage System (BESS) Project	Unalakleet Valley Electric Cooperative Inc.	Storage	\$1,060,595	Bering Straits	T-39
12	Railbelt	Anchorage Waste-to-Energy Facility Reconnaissance, Feasibility, Conceptual Design, and Permitting	Solid Waste Services, Municipality of Anchorage	Biomass	\$2,000,000	Railbelt	Anchorage
13	Kotlik	Kotlik Solar Battery Project	Kongnikilnomuit Yuita Corporation	Solar, Storage	\$3,216,259	Lower Yukon-Kuskokwim	T-39
14	Atka	Atka Hydrogen Power Project	Native Village of Atka	Hydro, Storage	\$2,560,000	Aleutians	S-37
15	Railbelt	Walker Dome Wind Final Design and Permitting	Walker Dome Wind LLC	Wind, Transmission, Storage	\$2,000,000	Railbelt	O-30

*If appropriated by the Legislature and approved by the Governor, this funding would be anticipated to become effective July 1, 2026, and included in the Fiscal Year 2027 capital budget.

**Cumulative B/C Ratio is calculated based on the cumulative Net Present Value of Benefits and total Project costs (match, in-kind, and state funding)

REF Round 18 Recommended Projects to Legislature (Cont.)



Rank	Community	Project Name	Applicant Name	Technology	Recommended Funding	Energy Region	Election District
16	Kwigillingok	500kwh BESS + Installation, Integration, including upgraded controls	Kwig Power Company	Storage	\$598,000	Lower Yukon-Kuskokwim	S-38
17	Valdez District, Copper River Basin District	Solomon Gulch Hydroelectric Facility Pool Raise	Copper Valley Electric Association, Inc.	Hydro	\$1,490,136	Copper River/Chugach	O-29; R-36
18	CEA Serving Area	Beluga Solar Array	Chugach Electric Association Inc.	Solar	\$2,000,000	Railbelt	Anchorage
19	Elfin Cove	Elfin Cove Hydro Final Permitting and Design	Community of Elfin Cove Non-Profit Corporation, Elfin Cove Utility Commission	Hydro, Storage	\$130,000	Southeast	A-2
20	Mat-Su Region	Hunter Creek Hydro Electric Feasibility Study Project	Matanuska Electric Association	Hydro	\$112,000	Railbelt	Mat-Su Borough
21	Scammon Bay	Wind Power in Scammon Bay	The Native Village of Scammon Bay	Wind	\$1,172,401	Lower Yukon-Kuskokwim	T-39
22	Railbelt	Chatanika Wind Feasibility and Conceptual Design	Chatanika Wind LLC	Wind, Transmission, Storage	\$583,000	Railbelt	R-36
23	Seldovia, Halibut Cove, Homer	Kenai Peninsula Energy Strategy Planning Project	Chugachmiut	Hydrokinetic	\$707,050	Railbelt	C-6
24	Atmautluak	ATU BESS Battery Replacement Project	Atmautluak Tribal Utilities	Storage	\$444,500	Lower Yukon-Kuskokwim	S-38
25	Hoonah, Kake, Chilkat Valley, Angoon, Klukwan	Hoonah Battery Energy Storage System (BESS) Installation Project	Inside Passage Electric Cooperative	Storage	\$2,350,000	Southeast	A-2
26	Knik Tribal members, Mat-Su Region	Solar in the Heart of the Railbelt	Knik Tribe	Transmission, Solar, Storage	\$292,640	Railbelt	Mat-Su Borough
27	Akiachak	Akiachak Wind System Design and Integration	Akiachak Native Community	Wind, Solar, Storage	\$797,510	Lower Yukon-Kuskokwim	S-38
28	Railbelt	Bald Hills Wind Feasibility and Conceptual Design	Bald Hills Wind LLC	Wind, Transmission, Storage	\$528,000	Railbelt	S-37
29	Mat-Su Region	Knik Tribe Renewable Reconnaissance and Feasibility Study	Knik Tribe	Wind	\$577,100	Railbelt	Mat-Su Borough
Total					\$41,164,051		

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**Cumulative B/C Ratio is calculated based on the cumulative Net Present Value of Benefits and total Project costs (match, in-kind, and state funding)

Federal Funding – Awards and Pending Applications



#	Awarded and Conditional Awards	Alaska Grant \$	Match \$
1	Grid Resilience and Innovation Partnerships Topic 3 Phase 1	\$ 206,500,000	\$ 206,500,000
2	Preventing Outages and Enhancing the Resilience of the Electric Grid (40101d)	\$ 64,022,556	\$ 9,603,383
3	National Electric Vehicle Infrastructure Program (NEVI) – Formula Funding	\$ 37,553,664	\$ 10,483,059
4	Alaska Bulk Fuel Infrastructure Partnership (ABFIP) – (Shageluk, Eek, Tuluksak, Aniak and Russian Mission)	\$ 50,000,000	\$ -
5	Home Efficiency Rebates Program	\$ 37,293,071	\$ -
6	Home Electrification and Appliance Rebates Program	\$ 37,150,940	\$ -
7	Defense Community Infrastructure Pilot - Black Rapids Training Site	\$ 15,602,648	\$ -
8	USDA High Energy Cost Grants (Kipnuk, Napaskiak, Manokotak)	\$ 7,974,420	\$ 4,322,916
9	USDA High Energy Cost Grant – FY2026 – Bulk Fuel M&I (Supporting 9 rural communities)	\$ 5,000,000	\$ -
10	Energy Efficiency Revolving Loan Capitalization	\$ 4,782,480	\$ -
11	State Energy Program (FY2025 + BIL Supplement)	\$ 4,177,360	\$ -
12	Vehicle Technology Office Competition Federal Fiscal Year 2022 (ARED)	\$ 1,670,000	\$ 417,500
13	Energy Efficiency and Conservation Block Grant	\$ 1,627,450	\$ -
14	Training for Residential Energy Contractors (TREC)	\$ 1,293,870	\$ -
15	USFS Community Wood Energy Grant FY2025 (DC Match)	\$ 836,723	\$ 836,723
16	USFS Wood Innovation Grant FY2025	\$ 184,651	\$ -
	Total Awards = \$707,833,414	\$ 476,669,833	\$ 232,163,581

#	Application Submitted - Status Pending	Alaska Grant \$	Match \$
1	FY2027 Federal Congressional Directed Spending (CDS) Requests	\$ 9,593,215	\$ 0
2	Watersmart Grants: Water and Energy Efficiency Grants – Dixon Diversion	\$ 5,000,000	\$ 5,000,000
	Total Pending = \$19,593,215	\$ 14,593,215	\$ 5,000,000

Circuit Rider Program

Electrical Emergency Assistance

- Kwethluk (1)

Circuit Rider and Bulk Fuel Itinerant Onsite

Number after entity indicates more than one occurrence: 50 Total Onsite Visits

- Akhiok (3)
- Akiak (2)
- AVTEC/Seward (6)
- Beaver (1)
- Chevak (1)
- Chignik Bay (1)
- Chignik Lake (1)
- Chitina (2)
- Chuathbaluk (1)
- Eek (1)
- Elfin Cove (2)
- Golovin (2)
- Koyukuk (2)
- Levelock (2)
- Napaskiak (6)
- New Stuyahok (1)
- Nunam Iqua (2)
- Nunapitchuk (1)
- Perryville (1)
- Port Heiden (3)
- Rampart (2)
- Scammon Bay (1)
- Takotna (2)
- Teller (1)
- Tenakee Springs (1)
- Tuluksak (1)
- Venetie (1)

Circuit Rider Real-Time Remote Assistance

Number after entity indicates more than one occurrence: 245 Total Responses

- Akhiok (4)
- Akiachak (11)
- Akiak (7)
- Aniak (1)
- Arctic Village (2)
- Atka (1)
- Atmautluak (3)
- Buckland (2)
- Central (1)
- Chalkyitsik (1)
- Chignik (4)
- Chignik Lagoon (1)
- Chignik Lake (3)
- Chitina (9)
- Chuathbaluk (6)
- Circle (5)
- Clarks Point (1)
- Diomedede (2)
- Egegik (5)
- Elfin Cove (6)
- False Pass (2)
- Fort Yukon (2)
- Golovin (1)
- Hughes (1)
- Karluk (9)
- Kipnuk (11)
- Kokhanok (2)
- Koliganek (2)
- Kongiganak (1)
- Koyuk (1)
- Koyukuk (4)
- Kwethluk (6)
- Kwigillingok (3)
- Levelock (9)
- Manokotak (1)
- Mc Grath (1)
- Mertarvik (2)
- Napaskiak (20)
- Nelson Lagoon (1)
- Nikolai (8)
- Nikolski (1)
- Nunam Iqua (11)
- Ouzinkie (1)
- Pedro Bay (4)
- Pelican (1)
- Perryville (3)
- Pilot Point (4)
- Port Alsworth (1)
- Port Heiden (17)
- Rampart (5)
- RedDevil (1)
- Ruby (3)
- Saint George (1)
- Seward (1)
- Sleetmute (3)
- Stony River (2)
- Tatitlek (4)
- Tenakee Springs (3)
- Tuluksak (3)
- Tununak (1)
- Unalakleet (3)
- Venetie (7)
- White Mountain (1)



FY2025 Financial Highlights



STATEMENTS OF NET POSITION	June 30, 2025	June 30, 2024
Assets:		
Restricted investment securities and cash	1,285,139	1,281,491
Securities lending collateral	46,735	44,045
Loans, net	29,508	30,832
Capital assets, net	375,026	369,244
Receivables and other assets	15,420	9,871
Net Other Post-Employment Benefits (OPEB)	1,479	-
Total assets	1,735,307	1,735,438
Deferred outflows – Public Employees' Retirement System and OPEB	511	-
Total assets and deferred outflows	1,735,818	1,735,483
Liabilities and net position:		
Liabilities		
Bonds payable	195,915	201,253
Securities lending collateral	85,622	44,045
Payables and other liabilities	46,735	78,723
Deferred inflows - Related to OPEB	34	-
Total liabilities	328,272	324,021
Net Position	1,425,512	1,411,462
Total liabilities, deferred inflows, and net position	1,753,818	1,735,438