



Arctic Energy Office Strategic Plan

July 2026



Arctic Energy Office (AEO) Mission & Strategic Blueprint

The Strategic Mandate

To re-establish the Arctic Energy Office (AEO) as an Alaska-focused, resource development hub. The AEO serves as a senior-level gateway to mobilize DOE program office equities on the ground, secure reliable and affordable energy delivery, and champion critical resource export opportunities to Pacific Rim allies.

Strategic Goals

- **Goal 1: Ensure Grid Reliability & Energy Security-**
Deliver critical, large-scale energy infrastructure investments to stabilize Alaska's Railbelt and protect remote community energy grids.
- **Goal 2: Unlock Alaska's Natural Resource Potential & Trade-**
Establish strategic infrastructure corridors on the North Slope and position Alaska as a premier West Coast gateway for global hydrocarbon and LNG export markets.
- **Goal 3: Accelerate Advanced Tech Deployment & Defense Readiness-**
Deploy localized microreactors to secure crucial defense installations and isolate remote communities from market shocks.

Strategic Goal 1 – Railbelt Reliability & Grid Capacity

Objective

Categorize, bundle, and advance large-scale Railbelt electricity and capacity investments into a structured pipeline that DOE program offices can systematically match, fund, and support over the next 12–24 months.

Operational Key Performance Measures

- **Pipeline Definition:** Map and bundle at least three major transmission and grid capacity projects across the Railbelt corridor for immediate cross-vertical S3 matching.
- **Funding Mobilization:** Secure active S3 program office commitments to co-fund or provide technical deployment assistance to Railbelt projects.
- **Outreach Execution:** Establish an engagement cadence with Railbelt utilities and stakeholders to align on shared reliability objectives.

Strategic Goal 2 — North Slope Infrastructure & Resource Delivery

Objective

- Identify and advance critical North Slope infrastructure projects to interconnect new North Slope oil and gas leases directly with the Trans-Alaska Pipeline System (TAPS) infrastructure and local North Slope communities, securing and accelerating nationwide resource delivery.

Operational Key Performance Measures

- **Project Roadmaps:** Deliver a roadmap for North Slope critical road infrastructure in coordination with local authorities, stakeholders and leaseholders.
- **North Slope Project Support:** Establish a working cadence with state, federal, and industry partners to align DOE capabilities and resources with key opportunities.
- **Community Interconnect:** Develop a forum for continuing American Arctic community engagement on critical infrastructure development.

Strategic Goal 3 — Advanced Tech Deployment & Defense Readiness

Objective

- Partner with the Department of War (DoW) and Department of Homeland Security (DHS) to deploy strategic energy solutions, utilizing the AEO to cultivate domestic pipelines for American microreactors and SMRs at strategic military installations and remote communities.

Operational Key Performance Measures

- **Defense Partnerships:** Engage DOW and DHS regarding Alaska Energy Readiness in order to advance microreactor and SMR deployment.
- **Local Microreactor Pipeline:** Identify and advance site-selection criteria for microreactor deployment in at least three remote local communities vulnerable to fuel supply disruptions.
- **Technology Transfer:** Coordinate with the Nuclear Energy (NE) vertical to host localized technical workshops matching microreactor developers with Alaska indigenous corporations and defense planners.

Strategic Goal 4 — Strategic Microgrid Mobilization

Objective

- Mobilize DOE capabilities to deliver affordable, reliable, secure electricity with partner Alaskan communities.

Operational Key Performance Measures

- **Statewide review:** Identify profile of possible microreactor deployment communities in addition to Eielson.
- **Readiness:** Work with NE, IE and EDF to present microreactor readiness workshops in coordination with key local, state and regional partners.

Operational Setup — Establishing the Anchorage Gateway

Objective

- Build the organizational chart, manage FTE allocations, and establish a highly visible, physically present headquarters in Anchorage to serve as a reliable, direct operational portal between local stakeholders and DOE leadership.

Operational Key Performance Measures

- **Physical Footprint:** Secure lease, set up IT infrastructure, and stand up physical Anchorage office within the first 6 months.
- **Professional Staffing:** Hire and onboard key personnel, including regional program officers, liaison specialists, and technical experts.
- **Stakeholder Engagements:** Execute a comprehensive, statewide outreach program covering local, state, federal, and indigenous leadership groups within the first 90 days of office opening.