

Army Guard Energy Projects**FY2006 Request: \$150,000**
Reference No: 32560**AP/AL:** Appropriation**Project Type:** Construction**Category:** Public Protection**Location:** Statewide**Contact:** John Cramer**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-4602**Estimated Project Dates:** 07/01/2003 - 06/30/2008**Brief Summary and Statement of Need:**

This project funds the replacement of doors, windows, insulation and various other energy efficiency upgrades that will be performed in existing Alaska Army National Guard facilities throughout the state. The federal funding is provided by the National Guard Bureau (NGB). This project supports the National Guard Military Headquarters' performance measure strategy G1: Incorporate energy-efficient design practices.

Funding:	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Total
Fed Rcpts	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000
Total:	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2001 \$240,000; FY2002 \$300,000; FY2003 \$290,000; FY2004 \$153,300; FY2005 \$150,000.

Previous appropriations were titled "Federal Scout Readiness Center Energy Projects". This request will allow additional types of 100% federally eligible Army Guard facilities to participate in NGB funded upgrades.

Project Description/Justification:

Current projects consist of installing Direct Digital Controls to maximize heating efficiency, replacing hot water boilers and furnaces and increasing building insulation.

Each year specific federal funding is earmarked for energy projects that are competed based on their scoring of the Saving to Investment Ratio (SIR) calculation. The SIR considers how much is spent on the upgrade and how much is saved over the economic life of the upgrade. This means that both large and small projects compete on the same basis. Our SIR's have a simple cost savings payback of approximately 5 years. Additionally, sites are prioritized based on the number of Guardsmen at the site and the anticipated energy savings generated by the upgrade.

Why is this Project Needed Now:

These energy projects will reduce the annual operating consumption rates regarding heating and electrical energy requirements. The projects also generate economic activity when materials are purchased and construction labor is utilized.

Specific Spending Detail:

Army Guard Energy Projects

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Design will be done in-house and construction work will be competitively bid. Construction materials are purchased and installed by the contractor, using State Procurement Code Procedures.

Annual Ongoing Operating and Maintenance Costs:

The department expects reduction in energy consumption. However, as rates rise, costs could stay the same or increase. The overall reduction is expected in consumption.