

**Federal Scout Readiness Centers Energy Projects**

**FY2004 Request: \$153,300**  
**Reference No: 32560**

**AP/AL:** Appropriation

**Project Type:** Construction

**Category:** Public Protection

**Location:** Statewide

**Contact:** Denise Liccioli

**House District:** Statewide (HD 1-40)

**Contact Phone:** (907)465-4603

**Estimated Project Dates:** 07/01/2003 - 06/30/2008

**Brief Summary and Statement of Need:**

Sites are selected based on the number of Guardsmen at the site and the anticipated energy savings generated by the upgrade. Current projects consist of installing direct digital controls to maximize heating efficiency, replacing hot water boiler, repair ceilings by increasing insulation and downsizing hot water tanks.

<b>Funding:</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>Total</b>
Fed Rcpts	\$148,700	\$150,000	\$150,000				\$448,700
G/F Match	\$4,600						\$4,600
<b>Total:</b>	<b>\$153,300</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$453,300</b>

<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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

Federal authority requests have been approved in prior years.

**Project Description/Justification:**

**Detailed Project Justification:**

Each year specific funding is earmarked for energy projects that compete 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 been averaging around 1.4, which means that we have a simple payback of approximately 5 years. This also means that we have been more successful in funding projects in western and northern Alaska due to the fuel expense and harsher climate.

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

**Specific Spending Detail:**

Design will be done in-house and work will be bid out. Construction materials are purchased and installed by the contractor.

Location	Facility	Project Description	TOTAL	GF Match	Federal
Juneau	NG AAOF	Install DDC	\$15,000		\$15,000

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Nome	NG AAOF	Install DDC	\$10,000		\$10,000
Kenai	Armory	Replace boiler/hot water	\$60,000		\$60,000
Nightmute	Armory	Repair ceiling	\$20,000		\$20,000
Anchorage	Bryant Airfield	Replace windows with PVC	\$30,000		\$30,000
Anchorage	Camp Denali	Downsize hot water tanks	\$15,200	\$3,800	\$11,400
Anchorage	Camp Denali	Install Window Tinting	\$3,100	\$800	\$2,300
Grand Total			\$153,300	\$4,600	\$148,700