

**Fairbanks North Star Borough - Heating Device Air Quality Mitigation**      **FY2015 Request: \$2,000,000**  
**Reference No: 58442**

**AP/AL:** Appropriation      **Project Type:** Life / Health / Safety  
**Category:** Health/Human Services      **Recipient:** Fairbanks North Star Borough  
**Location:** Fairbanks (Areawide)      **House District:** Fairbanks Areawide (HD 1-5)  
**Impact House District:** Fairbanks Areawide (HD 1-5)      **Contact:** JoEllen Hanrahan  
**Estimated Project Dates:** 07/01/2014 - 06/30/2019      **Contact Phone:** (907)465-2506

**Brief Summary and Statement of Need:**

The Fairbanks North Star Borough (Borough), in collaboration with the State of Alaska, is continuing to work towards minimizing particulate matter emissions and improving air quality in the Borough. This project will provide funding to the Borough for heating device change-out programs that mitigate emissions and improve air quality within the fine particulate matter nonattainment area. This program allows Borough residents to remove, replace, or repair their solid fuel heating devices with cleaner burning devices. EPA-certified heating devices offer increased energy efficiency and reduce fine particulate matter emissions over older, uncertified devices.

<b>Funding:</b>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>Total</u>
Gen Fund	\$2,000,000	\$5,500,000					\$7,500,000
<b>Total:</b>	\$2,000,000	\$5,500,000	\$0	\$0	\$0	\$0	\$7,500,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input 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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

No prior funding history.

**Project Description/Justification:**

The State and Borough have identified solid-fuel burning heating devices as a significant source of fine particulate matter within the federally designated fine particulate matter non-attainment area. Removing, replacing, and improving residential heating devices with cleaner space heating units is a critical element of the federally required air quality plan designed by the state and borough to bring the area back into attainment with the health based air quality standards for fine particulate matter. The Environmental Protection Agency (EPA) has found that upgrading woodstoves with EPA-certified woodstoves increases energy efficiency, allows for the use of less wood, and reduces fine particulate matter emissions over older, uncertified devices. This project will provide for additional heating device upgrades in support of the overall air quality plan. The project will provide emission reductions in the short term until longer-term relief is realized through the expanded availability of liquefied natural gas in the community, which will lower heating costs and provide residents with an economical alternative to burning solid fuel.