

**Fire Fighting Equipment Replacement****FY2007 Request: \$150,000**  
**Reference No: 41432****AP/AL:** Appropriation**Project Type:** Equipment**Category:** Public Protection**Location:** Statewide**Contact:** Nico Bus**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-2406**Estimated Project Dates:** 07/01/2006 - 06/30/2007**Brief Summary and Statement of Need:**

This project funds replacement of critical firefighting equipment including pumps, chainsaws, and fire engine tools. This project contributes to the department's mission by providing the initial attack fire readiness critical to conserving the state's natural resources and protecting life and property.

<b>Funding:</b>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>Total</u>
Gen Fund	\$150,000	\$150,000	\$150,000				\$450,000
<b>Total:</b>	\$150,000	\$150,000	\$150,000	\$0	\$0	\$0	\$450,000

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

**Additional Information / Prior Funding History:**

This is a new project request.

**Project Description/Justification:**

AS 41.15.010 - 170 gives wildland fire protection responsibility to the Department of Natural Resources. This project supports the Division's mission of containing 90% of fires occurring in the critical and full protections areas at 10 acres or less. This CIP will begin a phased replacement plan for critical fire fighting equipment such as pumps, chainsaws, and other equipment. The Division is developing an equipment replacement program since we are currently repairing equipment that is more than 20 years old. As one example, Forestry currently utilizes an inventory of 110 Mk-26 pumps and is the only suppression agency in the country still using Mark-26 pumps. These pumps and spare parts purchased over twenty years ago are now obsolete. The average cost of replacement is \$3.0 per pump. This equipment is critical for successful initial attack and is continually used in urban interface areas where the state cannot risk equipment failures causing large fires. This annual replacement program would call for the purchase an average of 30 chainsaws and 45 pumps per year.

This CIP will not directly reduce the total state costs. It will diminish the risk of a wildland fire escaping initial attack suppression efforts due to equipment failure of fire fighting equipment. It will also maximize expenditures more wisely toward new replacement equipment rather than getting diminishing returns on obsolete equipment.

**Why is this Project Needed Now:** The useful life of a fire line chainsaw is estimated to be five years, and the useful life of a fire line pump is estimated at ten years. The majority of pumps and chainsaws and equipment now in service by the State are 10-20 years old. There is a need to replace old, worn out and obsolete equipment in a planned manner. This CIP will begin a replacement schedule to responsibly manage equipment and communications both fiscally and for useful life maximization. The quick containment of wildland fires and the safety of firefighters and the general public will increase with reliable equipment.

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## Specific Spending Detail:

### Line Item Expenditures:

Personal Services	\$ 0.0	Description- N/A
Travel	\$ 0.0	Description- N/A
Services	\$ 0.0	Description- N/A
Commodities	\$150.0	Description- 45 pumps estimated at \$3,000.0 each, 30 chainsaws estimated at \$500.00 each.
Capital Outlay	\$ 0.0	Description- N/A

**Project Support:** This project is supported by the Alaska Fire Chiefs Association, Interior Fire Chiefs Association, Kenai Peninsula Borough, the Mat/Su Borough and 56 structural fire departments as well as the general public who receive the benefit of increased fire protection.

**Project Opposition:** No known opposition.