

**Information Technology Infrastructure Upgrades - Phase 2 of 2**      **FY2011 Request: \$215,000**  
**Reference No: 45270**

**AP/AL:** Appropriation      **Project Type:** Information Technology / Systems / Communication

**Category:** Natural Resources

**Location:** Statewide

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

**Estimated Project Dates:** 07/01/2010 - 06/30/2011

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**Brief Summary and Statement of Need:**

This project will provide necessary electronic storage capabilities, bring data security and disaster recovery capabilities up to standards and provide employees with wireless connections in state office buildings, which is useful in conference rooms and for traveling employees.

<b>Funding:</b>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>Total</u>
Gen Fund	\$215,000						\$215,000
<b>Total:</b>	\$215,000	\$0	\$0	\$0	\$0	\$0	\$215,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" 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:	8,000	0
One-Time Startup:	0	
<b>Totals:</b>	<b>8,000</b>	<b>0</b>

**Additional Information / Prior Funding History:**

SLA08/CH29 \$ 276,000      Phase I complete

**Project Description/Justification:**

**Data Storage and Backup (\$130,000)**

Storage in the Juneau office has not been upgraded in 7 years and has essentially reached its useful capacity. The explosion in web-based applications and the ever-increasing requirements of "going digital" in all aspects of DNR's work environment has pushed the current network storage and backup system to their limit. For example, the local Division of Forestry staff has a need to store imagery on a central location and the current network storage limits their ability to share this data. Without adequate centralized network file storage, employees will eventually be forced to store critical, valuable data either locally on their computer or on locally attached external drives. This creates problems in the event of hard drive failures on the local computer or external drives.

A new backup system is also required to keep up with these ever-increasing demands. Without this new system, critical data may not be able to be backed up as regularly as needed; backup schedules are corrupted in an attempt to accommodate the more efficient use of the overtaxed equipment and the ever-shrinking periods available for backing up data. The ability to back up the data and restore it is directly linked to the amount of network storage available. The funding will pay for storage devices, licenses, a backup system, an uninterruptible power supply (UPS), and other related equipment.

**DNR Wireless Plan (\$85,000)**

With few exceptions, DNR employees traveling to other DNR offices currently do not have access to a wireless connection. A secure wireless connection for laptops is the accepted norm for the public and private sectors. In addition to providing internet connections when traveling, the addition of wireless connections in DNR office buildings will allow employees to work in areas other than their assigned office or cubicle, such as conference or meeting rooms. Employee productivity is raised by increased mobility of staff while they retain network connectivity. Four DNR offices have been identified for wireless installation: the Atwood Building in Anchorage, the Willoughby Building in Juneau, the Northern Region Office in Fairbanks, and the Division of Forestry Palmer Offices (main building for Wildland Fire Suppression operations in the area). The funding will pay for servers, cabling and other wireless equipment.

**Why is this Project Needed Now?:**

Providing and maintaining adequate information technology infrastructure is vital for providing services and information to the public sector, other agencies, and internally to DNR employees.

**Specific Spending Detail:**

<u>LINE ITEM</u>	<u>DOLLAR AMOUNT</u>	<u>DESCRIPTION (text)</u>
Personal Services	\$ 5,000	Microcomputer/Network Specialists
Travel	\$ 18,000	Coordinate work with Juneau and Fairbanks staff
Services	\$ 24,000	Contractor/Training
Commodities	\$ 168,000	Equipment/supplies

**Provide estimated annual ongoing operating and maintenance costs after project completion/implementation:**

<u>Dollar Amount &amp; Fund Source</u>	<u>Number of Positions FT/PT</u>	<u>Description</u>
\$ 8,000 Fund Source: GF/GFPR	Full time: N/A Part time: N/A	Yearly maintenance for equipment and software.