

## 2016 - 2021 CAPITAL IMPROVEMENTS PROGRAM

Lebanon, New Hampshire

**PROJECT NUMBER: 2016G10**

**PROJECT: AIR TERMINAL BUILDING BOILER AND ROOFTOP AC UNITS**

**DEPARTMENT:** Airport

**PROJECT TITLE:** AIR Terminal Boiler and Rooftop AC Units

**PURPOSE OF PROJECT REQUEST FORM:** The project is a continuation of an existing project.

**DEPARTMENT PRIORITY:** MAINTENANCE. One of four 20-year old air conditioning units has failed, and the remaining three units are in danger or also failing as they are overworked. IMPROVE EFFICIENCY: The planned replacement would be a significant energy improvement during air conditioning in the summer months as well as heating in the winter months. This year and last year, there have been numerous Terminal tenant complaints about the system and the one failed unit; particularly in the summer months. The previous appropriation request was based on an estimate from an on-call vendor which could not be used per purchasing policy. On of the on-call engineers was used to prepare design and bid documents. Their estimate of engineering costs and of construction costs is higher than what was previously appropriated. This second appropriation request is to bring the total appropriation to the current

**LOCATION:** Lebanon Municipal Airport. Airport Terminal Building, 5 Airpark Road.

**DESCRIPTION / JUSTIFICATION:** The terminal air conditioning units were installed in 1980 and in recent years have not been reliable of energy efficient. In 2012, the airport received an energy audit through the Upper Valley / Lake Sunapee Regional Planning Commission, with improvement of the air conditioning units being a priority. Replacement of the airport air conditioning units was a key recommendation in the Upper Valley / Lake Sunapee Regional Planning Commission energy audit of the airport. As the airport terminal receives more tenants, efficient control and operating of the air conditioning and heating units becomes all the more critical.

The air conditioning units need to be replaced before more of the units fail. Replacement of the units with more energy-efficient air conditioning / heating units is a continuation of the airport's energy improvements, which began with replacing the incandescent exterior flood / building lighting with energy-efficient LED lighting. The priority at this point as explained above is MAINTENANCE and IMPROVE EFFICIENCY. If one more air conditioning unit fails, the priority would immediately go to MANDATORY. Based on the experience with the existing units, the useful life of the replacement air conditioning / heating units would be more than 20 years.

**2016 - 2021 CAPITAL IMPROVEMENTS PROGRAM**

**Lebanon, New Hampshire**

**PROJECT NUMBER: 2016G10  
PROJECT: AIR TERMINAL BUILDING BOILER AND ROOFTOP AC UNITS**

**FINANCIAL PLAN AND PROJECT SCHEDULE:**

	<u>Prior</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2016-2021</u>	<u>Total</u>
<b>EXPENDITURES</b>									
Design and Engineering	\$0	\$45,720	\$0	\$0	\$0	\$0	\$0	\$45,720	\$45,720
Property/Equipment Acquisition	<u>\$132,400</u>	<u>\$35,600</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$35,600</u>	<u>\$168,000</u>
<b>TOTAL</b>	<u>\$132,400</u>	<u>\$81,320</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$81,320</u>	<u>\$213,720</u>
<b>FUNDING</b>									
Current (Operating Budget)      Municipal Airport Fund	\$28,490	\$76,570	\$0	\$0	\$0	\$0	\$0	\$76,570	\$105,060
Existing Funds      Transferred from Previously Appropriated and Funded Capital Project(s)	\$26,610	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,610
Existing Funds      Passenger Facility Charge Fees	<u>\$77,300</u>	<u>\$4,750</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,750</u>	<u>\$82,050</u>
<b>TOTAL</b>	<u>\$132,400</u>	<u>\$81,320</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$81,320</u>	<u>\$213,720</u>
<b>FUNDING SUMMARY</b>									
Current	\$28,490	\$76,570	\$0	\$0	\$0	\$0	\$0	\$76,570	\$105,060
Existing Funds	<u>\$103,910</u>	<u>\$4,750</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,750</u>	<u>\$108,660</u>
<b>TOTAL</b>	<u>\$132,400</u>	<u>\$81,320</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$81,320</u>	<u>\$213,720</u>
<b>RESPONSIBLE FUND:</b>									
Municipal Airport Fund	<u>\$132,400</u>	<u>\$81,320</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$81,320</u>	<u>\$213,720</u>
<b>TOTAL</b>	<u>\$132,400</u>	<u>\$81,320</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$81,320</u>	<u>\$213,720</u>

**FINANCIAL RECAPITULATION:**

<u>Year</u>	<u>Budget</u>	<u>Source of Funding</u>							<u>Total</u>	<u>Expended (5/31)</u>	<u>Encumbered</u>	<u>Budget Balance</u>	<u>Funded Balance</u>
		<u>Debt</u>	<u>Operating Budget</u>	<u>Capital Reserve Fund</u>	<u>Grant</u>	<u>Existing Funds</u>	<u>Other</u>						
2014	\$132,400	\$253	\$28,490	\$0	\$0	\$26,354	\$0	\$55,097	\$0	\$0	\$132,400	\$55,097	
2015	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$132,400</u>	<u>\$55,097</u>	
	<u>\$132,400</u>	<u>\$253</u>	<u>\$28,490</u>	<u>\$0</u>	<u>\$0</u>	<u>\$26,354</u>	<u>\$0</u>	<u>\$55,097</u>					