

**2016 - 2021 CAPITAL IMPROVEMENTS PROGRAM**

**Lebanon, New Hampshire**

**PROJECT NUMBER: 2018G22**

**PROJECT: DPW LANDFILL COMPACTOR REBUILD #40-07**

**DEPARTMENT:** Public Works  
**PROJECT TITLE:** DPW Landfill Compactor Rebuild #40-07  
**PURPOSE OF PROJECT REQUEST FORM:** Continuation of an ongoing project.  
**DEPARTMENT PRIORITY:** MAINTENANCE  
**LOCATION:** Solid Waste Facility

**DESCRIPTION / JUSTIFICATION:** The landfill compactor is an important piece of equipment at the landfill and is responsible for the compaction of the waste on a daily basis. The current machine is a 2007 model with 8,500 hours on it and it has had some rebuild done on a couple of components in 2013. A new replacement machine is estimated to cost about \$1,200,000 and rebuilding has been gaining interest with owners due to the high cost of a new machine. A rebuild repairs or replaces various components, re-sizes mounting bracket pins and holes, sand blasts and repaints and tests the machine to make sure it is running according to original specifications.

The equipment at a landfill needs to be updated or refurbished on a shorter cycle than equipment used on road projects. The use in an off-road environment is hard on engines and suspension due to the uneven terrain, dust, mud and plastic waste that gets caught in the running gear and tears out bearing seals. Extending the life of this expensive equipment by rebuilding helps save money and keeps a machine beyond the original useful life of 7 years to more than 10 to 12 years.

**FINANCIAL PLAN AND PROJECT SCHEDULE:**

		<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>									
Property/Equipment Acquisition		\$0	\$0	\$330,000	\$0	\$0	\$0	\$330,000	\$330,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$330,000</u>
<b>FUNDING</b>									
Capital Reserve Fund	Landfill Equipment	\$0	\$0	\$330,000	\$0	\$0	\$0	\$330,000	\$330,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$330,000</u>
<b>FUNDING SUMMARY</b>									
Capital Reserve Fund		\$0	\$0	\$330,000	\$0	\$0	\$0	\$330,000	\$330,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$330,000</u>
<b>RESPONSIBLE FUND:</b>									
Solid Waste Disposal Fund		\$0	\$0	\$330,000	\$0	\$0	\$0	\$330,000	\$330,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$330,000</u>	<u>\$330,000</u>

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**CAPITAL RESERVE FUNDS:**

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Landfill Equipment							
Beginning Balance	\$642,802	\$357,802	\$272,802	\$347,802	\$92,802	\$167,802	\$172,802
Additions:	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000
Withdrawals:							
2015-2020 CIP: Loader Replacement	(\$280,000)	\$0	\$0	\$0	\$0	\$0	\$0
2015-2020 CIP: Equipment Wash Station	(\$80,000)	\$0	\$0	\$0	\$0	\$0	\$0
2016-2021 CIP: Recycling Center Skid Steer Replacement	\$0	\$0	\$0	\$0	\$0	(\$70,000)	\$0
2016-2021 CIP: Replace 2001 10-Wheel Dump Truck #88-01	\$0	(\$160,000)	\$0	\$0	\$0	\$0	\$0
2016-2021 CIP: Rebuild Compactor #40-07	\$0	\$0	\$0	(\$330,000)	\$0	\$0	\$0
<b>Estimated Ending Balance</b>	<b><u>\$357,802</u></b>	<b><u>\$272,802</u></b>	<b><u>\$347,802</u></b>	<b><u>\$92,802</u></b>	<b><u>\$167,802</u></b>	<b><u>\$172,802</u></b>	<b><u>\$247,802</u></b>