RE: Green Communities Competitive Grant

1 message

kastanley1977@gmail.com <kastanley1977@gmail.com> Fri, Sep 10, 2021 at 5:50 PM
To: Melissa Sousa <msousa@westportschools.org>

Melissa – For incentives for lighting upgrades, the calculations are very simple. The energy savings is based on the wattage of the light lights before and after. In your case, you are replacing T8 Fluorescents with LED bulbs (Light emitting diodes). The utility has a great deal of experience with this type of retrofit and simply calculates the savings per bulb times the number we are replacing – that's it.

So that is the long answer and the short answer is no there is no usage or data info that we need to supply. That has already been done by our vendor.

I hope that helps. Kathy

From: Melissa Sousa <msousa@westportschools.org>
Sent: Friday, September 10, 2021 4:07 PM
To: Kathleen Stanley <kastanley1977@gmail.com>
Subject: Green Communities Competitive Grant

Hi Kathy,

I have one more question that was asked by the School Committee before we can move forward with this project. The question is are we required to monitor the usage of the electricity or supply any data in order for us to receive the annual utility savings.

The Superintendent will be bringing this answer to the School Committee Meeting on 9/16/20 to get their final approval for the project.

I hope you can make sense of my question but if not please feel free to give me a call.

Thanks,

Melissa

8/31/21

Green Communities Competitive Grant FY22

Green Communities Grant will be used for LED lighting at the MAC & WES
Grant benefit -Annual Projected Utility Savings at

MAC	$8,625
WES	$22,215
Total	**$30,840**

Funding Identified in Operating Budget to cover cost of the full implementation over the $200,000 Grant Award

Department	Detail	Amount	
Maintenance Budget	Boiler Cleaning & Repair	$10,000	FY21 EOY Funds
Maintenance Budget	Screens & HVAC Filters	$6,000	ESSER III
District Budget	Color Copy Decrease WES & Middle-High	$19,000	Movement of Copiers
Total		**$35,000**	

Building Name and/or Location (as noted in MEI)	Traditional, Administrative, OR Prescriptive Project (select from dropdown list)	Project Name (description for Traditional Projects) [1]	Projected Completion (month/year) [2]	Project Annual Energy Savings						Project Cost Information				
				Electricity (kWh)[3]	Natural Gas (therms)[3]	Oil (gallons)[3]	Gasoline (gallons)[3]	Diesel (gallons)[3]	Propane (gallons)[3]	Total Project Cost ($)[4]	GC Grant Funding ($)	Utility Incentives ($)	Other Grants ($) (please list source in column N)	Community Contribution ($)
	Administrative Costs		6/2022							$10,000.00	$10,000.00			
Beach Grove Cemetery Building	Traditional Energy Project	LED Retrofit	6/2022	1,610						$3,538.00	$3,136.00	$402.00		
Harbormaster Facility	Traditional Energy Project	LED Retrofit	6/2022	1,970						$2,349.00	$1,856.00	$493.00		
Highway Department Facility	Traditional Energy Project	LED Retrofit	6/2022	13,441						$19,116.00	$15,756.00	$3,360.00		
Macomber School	Traditional Energy Project	LED Retrofit	6/2022	47,918						$99,961.00	$79,981.00	$19,980.00		
Westport Elementary School	Traditional Energy Project	LED Retrofit	6/2022	123,422					85%	$172,472.00	$89,271.00	$48,338.00		$34,863.00
										$0.00				
										$0.00				
										$0.00				
										$0.00				
										$0.00				
										$0.00				
										$0.00				
										$0.00				
Green Community: Town of Westport				**188,361**	**0**	**0**	**0**	**0**	**0**	**$307,436.00**	**$200,000.00**	**$72,573.00**	**$0.00**	**$34,863.00**

85%

Notes:

[1] A municipality may submit proposals for as many projects as it wishes as long as the projects comply with all requirements specified in the program opportunity notice. Contact your regional coordinator if you need additional rows in the spreadsheet.

[2] Proposed projects should be completed within approximately one year from contract execution.

[3] Please estimate only the projected direct annual cost and energy savings. Please be sure to complete the energy costs per unit table in the first worksheet. For fuels not listed in this table, please contact your regional coordinator. DOER will perform the calculations for MMBtu and GHGs.

[4] Total project cost = sum of all funding sources (columns M-P)

[5] Please provide a specific page number/range from the audit or study that provides funding request and project details.

Reference and Supporting Information					
Funding Source(s) for Other Grants and Town Contribution	Source of Community Contribution (if applicable)	Audit or Study Reference	Audit or Study Page Reference(s) [5]	Other Supporting Document(s) and Page References [5]	Part of Performance Contract? (yes or no)
					No
		Energy Source Proposal	Page 2		No
		Energy Source Proposal	Page 2		No
		Energy Source Proposal	Page 2		No
		Energy Source Proposal	Page 2		No
	Capital Fund	Energy Source Proposal	Page 2		No
N/A		N/A	N/A	N/A	N/A

Data Summary				
Projected Annual Energy Cost Savings ($)	MMBTU saved per Year	Simple GC Payback Period (years)	BTU saved per GC dollar *	GHG emissions (tons CO2) saved per year
$ -	-	-	-	-
$ 289.80	5.5	10.82	1,751.70	0.58
$ 354.60	6.7	5.23	3,621.57	0.71
$ 2,419.38	45.9	6.51	2,910.68	4.83
$ 8,625.24	163.5	9.27	2,044.19	17.23
$ 22,215.96	421.1	4.02	4,717.28	44.37
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-
$ -	-	-	-	-

* 2020 Competitive Grant median BTU saved per dollar = 3,747