



ACTON PUBLIC SCHOOLS ♦ ACTON-BOXBOROUGH REGIONAL SCHOOL DISTRICT

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**Green Community Grant Progress and Financial Quarterly Report
Reporting Period: October 1 – December 31, 2015**

(1) INTERIOR LED LIGHTING RETROFIT – ABRHS POOL

- Schedule: Project completed.
- Narrative: Existing HID fixtures surrounding the pool (910 watts each) were removed and replaced with new Elliptipar LED fixtures (165 watts each). Fluorescent lighting over bleacher seats was removed and replaced with new linear LED fixtures. Light quality is excellent and much improved over pre-existing fixtures.
- Budget: Project completed below budget submitted in original grant application, as vendor generated a revised proposal in August at a price below that submitted with the grant application. Eversource approved the projected utility incentive of \$33,780.85 (as shown in the grant application) as well as a “bonus” incentive of \$0.10/kWh for the project, yielding an additional \$13,512.00 in utility support (replacing the \$13,500.00 indicated as a contribution from ABRSD in the grant application). For additional info on this, see Section (4).

(2) INTERIOR LED LIGHTING RETROFIT – RJ GREY JHS

- Schedule: Project completed (one punch list item remaining).
- Narrative: 487 fixtures (2’x4’ fluorescent troffers) in RJ Grey JHS classrooms were converted to LED fixtures with excellent light quality resulting.
- Budget: Project completed below budget submitted in grant application, as vendor generated a revised proposal in August at a price below that submitted with the grant application. Eversource approved projected utility incentive of \$41,395.00 (as shown in the grant application). For additional info on this, see Section (4).

(3) INTERIOR LED LIGHTING RETROFIT – PARKER DAMON BUILDING

- Schedule: Project underway, expected to be completed by February 15, 2016.
- Narrative: 281 fixtures (2’x2’ U-tube troffers) were replaced in the central rooms of the Parker Damon Building (including library, MultiPurpose Room and others). The light level delivered by the fixtures is brighter than the recommended range for K-12 schools, and the vendor is working with the manufacturer to identify a solution.
- Budget: Project will be completed below budget submitted in grant application, as vendor generated a revised proposal in August at a price below that submitted with the grant application. Eversource approved the projected utility incentive of \$23,885.00 (as shown in the grant application). For additional info on this, see Section (4).

(4) ADDITIONAL INFORMATION re: LED LIGHTING RETROFITS

Revised building-specific proposals were received from a vendor for the LED lighting retrofit work in August, 2015. These three building-specific proposals included an overall aggregate cost reduction of \$18,739.54 compared to the original grant application submitted in March, 2015. This \$18,739.54 cost reduction translates into a reduction in grant money needed to complete the work.

In addition, Eversource approved a “bonus” incentive of \$13,512.20 which replaced and exceeded the \$13,500.00 contribution planned from the ABRSD operating budget. This resulted in a net cost reduction of \$12.20 in grant money needed to complete the work.

These changes in the calculations associated with the LED lighting retrofit work are shown in the chart below, and also reflected in the revised “Grant Application Table” submitted.

-\$18,739.54	cost reductions in building-specific proposals generated by vendor in August, 2015
-\$13,512.20	increase in utility incentives due to “bonus” incentive approved by Eversource to ABRHS pool lighting retrofit
\$13,500.00	ABRSD contribution not needed due to approval of “bonus” incentive by Eversource
-\$18,751.74	OVERALL total aggregate reduction in cost of LED lighting retrofit projects compared to original grant application in March, 2015

(5) HVAC EFFICIENCY UPGRADES (Parker Damon Building)

- Schedule: Project expected to be completed by the end of 2015.
- Narrative: Proposal has been accepted and signed, vendor is communicating with building controls company about project.
- Budget: Project is expected to come in on budget. The utility incentives have been approved at \$18,706.00 which is \$1,005.00 above the level shown in the grant application, due to an increase in the incentive calculation from NGRID for natural gas savings. This \$1,005.00 change is not reflected in the “Grant Application Table” as yet, pending the completion of the project.

(6) MDF CLOSET EFFICIENCY UPGRADE (ABRHS)

- Schedule: Project expected to be completed by 1.31.16.
- Narrative: Proposal has been accepted and signed. IT Department is aware of pending project.
- Budget: Project is expected to come in on budget.

(7) WIFI THERMOSTATS (RJ Grey JHS, Douglas ES, Conant ES)

- Schedule: Project expected to be completed by 1.31.16.
- Narrative: Proposal has been accepted and signed.
- Budget: Project is expected to come in on budget.

Name and Title of Person Submitting Quarterly Report:

Kate Crosby, Energy Manager
Acton-Boxborough Regional School District

Date: January 4, 2016