



Foundation Proposal

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1. Describe in detail the purpose of the proposal.

The proposal is to install new, energy-efficient lighting in the Café, Large Print area, South end of the building, Children's Room, and the Community Room Kitchen Room. Director to approve light setting for each area. All lighting is 277-volts. Library will purchase lights from ROC Supply. The proposal is divided into separate sections in case we need to eliminate some areas to reduce cost for the project. The potential rebates are based on what RGE is currently offering for each type of light.

2. Describe how this proposal supports our brand.

Better lighting will increase the chance that patrons have an exceptional experience while at the library. It should increase the usability and enjoyment of the various areas for them.

3. Describe who the proposal would benefit.

New lights would benefit patrons and staff by making the areas better lit. A big benefit of new lights would be the potential energy saving (i.e., money-saving). LED lights will last longer than traditional lights so this will also save the time for our maintenance crew to continuously change bulbs.

4. Detail exact costs of the proposal.

The total cost is \$9707.20 (not factoring in potential rebates).

1. Café' – remove 19 each 6-inch can lights.

Replacement KT WDLED 13-6A-9CSF-FDIM LED Slim wafer / goof plate.

3 lights are in drywall, above vending machine.

Installation: \$1570 Sumner Leigh December 1, 2022

Material cost: \$15.60 each Total \$296.40

Initial Cost: \$1866.40

Rebate: \$15 each x 19= \$285

2. Large Print area (west end of building)

Remove 13 each 6-inch can lights.

Replace with KT WDLED 13-6A-9CSF-FDIM LED Slim wafer / goof plate.

Installation: \$1078 Sumner Leigh December 1, 2022

Material cost: \$15.60 each Total \$202.80

Initial Cost: **\$1280.80**

Rebate: \$15 each x 13=\$195

3. South End of building – main floor area

Remove 18 each 2x2 U shape lamp fixtures

Replace with KT-BPLED40PS-22-8CSA-VDIM/G2 2x2 LED Panel, Power Select & Color Select

Installation: \$2320 Sumner Leigh December 1, 2022

Material cost: \$46.67 before rebate Total \$840.06

Initial Cost: \$3160.06

Rebate: \$30 each x18 =\$540

4. Children's Room

Children's Room A. Remove 13 each 6-inch can lights.

Replace with KT WDLED 13-6A-9CSF-FDIM LED Slim wafer with goof plate.

Installation: \$1091 Sumner Leigh December 1, 2022

Material cost: \$15.60 each Total \$202.80

Initial Cost: \$1293.80

Rebate: \$15 each x 13 = Total \$195

Children's Room B. Remove 4 each 2x2 U shape lamp fixtures

Replace with KT-BPLED40PS-22-8CSA-VDIM/G2

2x2 LED Panel, Power Select & Color Select

One fixture over the desk in gazebo ceiling.

Extend feed cable and relocate over one ceiling grid.

Installation: \$500 Sumner Leigh December 1, 2022

Material cost: \$46.67 Total \$186.68

Initial Cost: \$686.68

Rebate: \$30 each x 4= Total \$120

Children's Room C. Remove 4 each 2x4 fixtures
Replace with KT-BPLED50PS-24-8CSA-VDIM/G2, 2x4 LED panel.
Power Select & Color Select.
Installation: \$340 Sumner Leigh December 1, 2022
Material cost: \$69.94 each Total \$279.76
Initial Cost: \$619.76

Rebate: \$30 each x 4 = Total \$120

5. Community Room Kitchen

The problem with the kitchen lights is that the motion detector keeps turning on the lights, every time someone goes by either of the two rooms, with the door open. Maintenance is changing the lamps about 4 times a year; plus, the cost of running the lights, when no one is in the room. Remove 4 each 2x4 fixtures with 4 lamps each

Remove OCC Sensor as requested in Kitchen area- Sumner Leigh **\$160.00**

Install 4 KT-BPLED50PS-24-8CSA-VDIM, Power Select & Color
Installation: \$360
Material cost: \$69.94 each Total \$279.76
Initial Cost: **\$639.76**

This project has two parts - Cost of lighting (639.76) + cost of sensor removal (\$160) = \$799.76

Rebate \$30 each x 4 = Total \$120

5. Outline as much as possible the timeline of the proposal.
The electricians should be able to do the work within a month of when we agree to it if the materials are available.
6. Which departments are affected by this proposal? Are they aware and supportive of this proposal?
The Children's Department would be affected for the lights in the Children's Room – Hanna is OK with new lights being installed in there.
The other lighting is more in general areas of the library.
7. Describe in detail how this project will be marketed.
It's not a project that will be marketed to patrons.

Summary of potential savings.

Area name	Old wattage	Proposed wattage	Wattage Savings
Café	19 fixtures X 32 watts= 608 watts	19 fixtures x 13 watts = 247 watts	361 watts per hour
West End of Building	13 fixtures X 32 watts= 416 watts	13 fixtures X 13 watts = 169 watts	247 watts per hour
South End of Building	18 fixtures x 2 lamps x32 watts =1152	18 fixtures x 40 watts = 720 watts (if highest wattage is chosen)	432 watts per hour (minimum)
Children's Room. A	13 fixtures x 32 watts = 416 watts	13 fixtures x 13 watts = 169 watts	247 watts per hour
Children's Room. B	4 fixtures x 2 lamps x 32 watts = 256 watts	4 fixtures x 40 watts = 160 watts (if highest wattage is chosen)	96 watts per hour (minimum)
Children's Room. C	4 fixtures x 32 watts=384 watts	4 fixtures x 50 watts= 200 watts (If highest wattage is chosen)	184 watts per hour (minimum)
Community Room Kitchen	4 fixtures x 4 lamps x 32 watts = 512	4 fixtures x 50 watts = 200 watts (If highest wattage is chosen)	312 watts per hour (minimum)
TOTAL	3744 watts	1865 watts (maximum)	1879 watts per hour (minimum)

The library is open 11 hours per day Monday through Thursday and 7 hours on Fridays & Saturdays for a total of 58 hours per week. The lights typically are set to go on about 2 hours before opening to allow staff to do their work before we open (including the cleaning that gets done early in the morning.) That adds an additional 12 hours per week that the lights are running. This gives us a total of at least 60 hours per week that the lights are on in our building.