



CITY COUNCIL AGENDA ITEM

Date: March 16, 2016

To: Brian Kischnick, City Manager

From: Tom Darling, Financial Services Director
MaryBeth Murz, Purchasing Manager
Steve Pallotta, Director of Building Operations

Subject: Bid Waiver – Phase One Replacement of Hallway and Office Area Lighting to LED Lamps – Troy City Hall

History

- The original lighting at City Hall was installed in 1964 and replaced in 2000.
- The original lighting in City Hall used 40 watt T12 lamps and magnetic PCP ballasts. When new technology came out in 1996, the option to save energy was to use a reduced wattage of lamps in conjunction with an electronic ballast.
- The Building Operations Department upgraded all lighting fixtures throughout City Hall with the new technology.
- All work was performed in house by Building Operations Department staff to save on installation cost.
- With the development and technology of LED lamps the Building Operations Department would again like to upgrade the lighting at City Hall to LED lamps using in-house staff.
- The Building Operations Department will retrofit approximately 402 currently used light fixtures in the first phase of this project.
- Changing from T8 lamps, removing electronic ballasts, and installing LED lamps calculates to a ROI (Return on Investment) payback of 2.95 years.
- The estimated energy savings is approximately \$8,068.00 annually and is based on reduced electrical consumption, and maintenance costs.
- The estimated LED tube life based on hours of operation is roughly 16 years.
- The City of Troy will contact DTE Energy and apply for Incentive Applications at an estimated rebate of \$5992.00.
- The Building Operations Department Staff will be retrofitting existing lighting fixtures using new LED lamps.

Purchasing

- The LED lights and all necessary components are being purchased from *Toggled of Troy, MI*.
- The City of Troy Building Operations Department staff will install all lamps and retrofit kits to minimize installation costs.
- The detailed cost estimate is listed below:



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Purchasing (continued)

Detailed Cost Estimates

1220 TOGGLED FOUR FOOT TUBES MODEL A416-40210, 5 year warranty.	\$24,400.00
194 TOGGLED TWO FOOT TUBES MODEL A21-4021, 5 year warranty.	\$4,205.92
97 TOGGLED 2X2 Conversion Kits	<u>\$1,261.00</u>
Total Estimated Project Cost	\$29,866.92

Financial

Funds are available in the Capital Fund Building Operations City Hall account 401.264.265.7975.900 in the amount of \$29,866.92 for this purchase.

Recommendation

City Management recommends the approval of the purchase of one thousand two hundred and twenty (1220) four foot TOGGLED LED Lamps, one hundred ninety four (194) two foot TOGGLED LED lamps and ninety seven (97) conversion kits for the Troy City Hall from the authorized manufacturer *Toggled* as detailed in attached quote with the City of Troy Building Operations Department staff completing the installation process. The total estimated cost of the project is \$29,866.92.