

Meeting of August 21, 2017

South Portland City Council  
***Position Paper of the City Manager***

***Subject:***

**ORDER #33-17/18 Award of Bid #07-18 to Interstate Electrical Service, of York, ME for Lighting upgrades at the South Portland Municipal Pool. Passage requires majority vote.**

***POSITION:***

The lights at the municipal pool section of the Community Center have been an ongoing maintenance issue for years. The lights are obsolete and maintaining or replacing the lights typically require a two-day period thus closing the pool and losing programming during this time.

Staff has researched both cost and energy savings and believe upgrading the lights to LED fixtures will more than compensate the cost of switching out the fixtures and eliminate or, at minimum, significantly reduce the persistent down time for maintenance.

The bid was advertised and mailed to twenty-seven electrical contractors and was opened on August 1, 2017 for this project. The City received two bids with Interstate Electrical Service, of York, ME, submitting the lowest bid meeting specification in the amount of \$39,945.

Included is a memorandum from Parks and Recreation Director Kevin Adams outlining this item in greater detail. Kevin will be at Monday's meeting to answer any questions.

***REQUESTED ACTION:***

Council passage of ORDER #33-17/18.

  
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City Manager

## MEMORANDUM

**To:** Scott Morelli, City Manager

**From:** Kevin Adams, Director of Parks, Recreation, and Waterfront

**Date:** August 11, 2017

**Re:** Recommendation of Award of Bid for Lighting Upgrades to the Municipal Pool

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The Department of Parks, Recreation, and Waterfront requests the award of bid, (bid # 07-18) to Interstate Electrical Service of York, Maine, for a project for Lighting Upgrades to The Municipal Pool be placed on the City Council meeting agenda.

**BACKGROUND:** The lights (Metal Halide Lamps) at the Municipal Pool have been a consistent issue for many years. The current style of light fixture is antiquated and not energy efficient. The luminaires blow out quickly, for the amount of use at the pool. 3 or 4 times a year we must close programming at the pool to replace 6 or 7 luminaires. This involves hiring an electrical contractor, that needs to bring in a lift to place on the pool deck, to reach the light fixtures. This generally is a two-day project closing the pool for this amount of time.

The department has researched the amount of cost and energy savings and feel that the future savings on both, as well as, less programming closures will be a great benefit to the city. Upon completion of the project, the estimated cost savings is as follows

Existing Annual Energy Cost (based off 72 hours a week usage): \$15,214

LED Annual Energy Cost (based off 72 hours a week usage): \$6,227

Estimated Annual Energy Savings: **\$8,987**

Based off the calculations above we will be saving **\$8,987** per year in just energy by upgrading to LED fixtures. These fixtures are also rated for 100,000 hours and will last approx. 26 years. Over the life of these fixtures the savings is estimated to be over \$240,000.

On top of the energy savings we will see a drastic savings in maintenance costs. The cost of the Metal Halide lamps we currently use is around \$100 each and are only rated for 5,000 hours so we need to replace them at a high rate compared to the LED fixture of 26 years. To get the same “system life” we would have to replace the metal halide lamps almost 18 times verses the 1 upgrade to LED; saving an additional estimated \$37,800.

Replacement Savings over 26 years:

(21 lamps x \$100) x 18 times = \$37,800

Requests For Proposals were advertised and sent to twenty-seven (27) electrical contractors. The City Purchasing Agent held a bid opening as scheduled on August 1, 2017. Two (2) bidders responded. Interstate Electrical Services was the low bidder on this project.

**PROPOSALS:** Interstate Electrical Service will provide and install twenty-one (21) AFL-400-5000K-85X135-90/305V-WT-NAT LED fixtures in the same location as existing fixtures, as well as, providing and installing a new 225A, 120/208V panel board to replace the existing Westinghouse panel board.

The project will be funded through Capital Improvement Program funding account name Pool Improvements 4077-407765-65570 Project #17778 LED Pool Lighting Project, as well as funds carried over from previous year's fund balances.

**RECOMMENDATION:** The bid has been reviewed and meets all specs, and requirements for the project. The city of South Portland's Department of Parks, Recreation, and Waterfront recommends the award of bid of **\$39,945.00** to Interstate Electrical Services of York, Maine for bid #07-18 to complete the project for Lighting Upgrades to the Municipal Pool.

I will be at the City Council meeting on August 21, 2017 to answer any questions.

Encl: (1.) Proposal from Interstate Electrical Services  
(2.) 1 Competing Bid  
(3.) Bid #07-18  
(4.) Photos of current pool lights and Panel Board







#5 leave on

- |    |                                |
|----|--------------------------------|
| 1  | Ladies Locker Room             |
| 2  | Men's Locker Room              |
| 3  | Locker Room & Lobby Heat       |
| 5  | Hall Lights                    |
| 7  | Locker Room Sink Lgts          |
| 9  | Rest Rooms                     |
| 11 | Locker Room Entry Lights       |
| 13 | & Flammant Deck Lights         |
| 15 | Refrig & Microwave             |
| 17 |                                |
| 19 | ATV Inter. OFFY                |
| 21 | AC/DRIG. EMCT                  |
| 23 |                                |
| 25 |                                |
| 27 |                                |
| 29 | Pool Entrance vestibule lights |
| 31 | Score Board Outlet             |
| 33 | Stove                          |
| 35 | Stove                          |
| 37 | Master - Pool Lights           |
| 39 | Pool Lights Rgt Far Side       |
| 41 | Pool Lights Left Far Side      |

D = down stairs  
U = upstairs  
Downstairs - read deep and to shallow  
Upstairs - read to back wall



CITY OF SOUTH PORTLAND

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SCOTT T. MORELLI  
City Manager

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City Clerk

SALLY J. DAGGETT  
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CLAUDE V.Z. MORGAN

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District Two  
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District Three  
EBEN ROSE

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District Four  
LINDA C. COHEN

\_\_\_\_\_

District Five  
BRAD FOX

\_\_\_\_\_

At Large  
Maxine R. Beecher

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At Large  
SUSAN J. HENDERSON

**IN CITY COUNCIL  
ORDER #33-17/18**

**ORDERED**, that award of Bid #07-18 be and hereby is made to Interstate Electrical Service, of York, ME, in the amount of Thirty-nine thousand nine hundred and forty-five dollars (\$39,945) for Lighting Upgrades at the South Portland Municipal Pool.

\$39,945 shall be charged to CIP FY17 LED Pool Lighting Upgrades Account #407765-655700-17778.

Fiscal Note: \$39,945

Dated: August 21, 2017