

# MEMO

**To: Park Board**

**From: Greg Vitale, Director of Parks and Recreation**

**Date: October 2, 2018**

**Re: Parks Led Upgrade Report**

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As previously discussed, the Parks and Recreation staff have been gathering the necessary data ahead of a department-wide LED light replacement program. Below is a summary of the information received:

<b>Centennial Park Electric Charges</b>	<b>Total Existing Wattage</b>	<b>*Wattage after Upgrade</b>
2016 - \$195,572.00	58,736	19,386.4
2017 - \$137,266.79		
2018 - \$60,193.46		
<b>Pool Electric Charges</b>	<b>Total Existing Wattage</b>	<b>*Wattage after Upgrade</b>
2016 - \$26,224.13	16,334	5,472.8
2017 - \$25,190.67		
2018 - \$11,513.26		
<b>Parks Electric Charges</b>	<b>Total Existing Wattage</b>	<b>*Wattage after Upgrade</b>
2016 - \$47,660.00	**29,737	9,605.6
2017 - \$62,971.05		
2018 - \$43,110.00		
<b>Total</b>	<b>Total Existing Wattage</b>	<b>*Total Wattage after Upgrade</b>
2016 - \$269,456.13	104,807 Watts	34,464.8
2017 - \$225,428.51		
2018 - \$114,816.72		

\* According to information compiled by Midwestern Electric

\*\* Of the 29,737 existing watts, all but 5,505 are used at Community Park

An LED upgrade would reduce the department's electric consumption by 2/3 and would pay for itself in 11-14 months (according to Midwestern Electric). Also, LED bulbs last up to 50,000 hours and do not require ballasts. This will reduce the future materials and labor costs required to change both out. Included in the report are electric expense and Midwestern Electric reports.