



TO: Common Council
FROM: Donald Merkes, Mayor
DATE: 17 August 2015 (revised)

RE: LED Lighting Sample Installation

In April the Common Council passed a resolution encumbering a \$60,002 refund from WE Energies for the purpose of purchasing LED street lighting to replace existing HPS street lighting.

Eight Cree SXP series lights have been installed on Seventh Street between London and Ida Street for your review. Having oval light pattern on the ground the 101W lights were selected to provide more even lighting for the neighborhood. The lights are placed where the 150W HPS lights previously were, at both every other pole and every third pole spacings.

The City of Menasha has been approved for Wisconsin Focus on Energy grants, as well as a matching WPPI incentive grant, these grants total nearly \$68,000 over three years if we move forward with the project.

Year	Number of Fixtures	Materials	Labor	Focus Incentive	WPPI Incentive	Total	Energy Savings
2015	272	\$63,920	\$24,932	(\$11,580)	(\$11,580)	\$65,692	\$21,908
2016	319	\$74,965	\$29,240	(\$12,930)	(\$12,930)	\$78,345	\$25,278
2017	221	\$51,935	\$20,257	(\$9,360)	(\$9,360)	\$53,472	\$17,259

Menasha Utilities is finalizing installation costs to supply the Common Council before final decisions are made as to proceeding with the project. If the City of Menasha converts it's HPS streetlights to LED as shown in the chart above, there would be an annual cost savings of nearly \$65,000 including both fixed charges and energy costs.

Action Requested

Please review the sample installation on Seventh Street before the September 8th Common Council meeting where the item will be an action item.