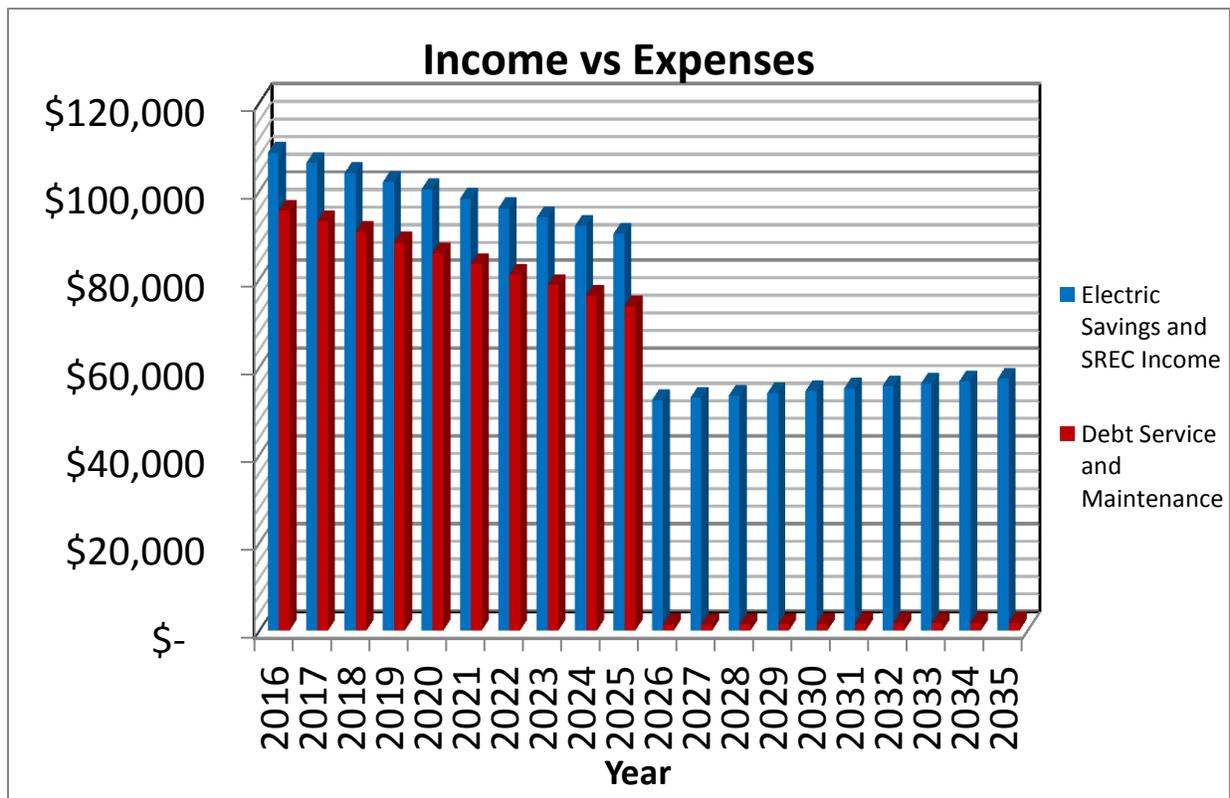


Article 1: To Approve Financing for Construction of a Photovoltaic Solar Array at the Wastewater Treatment Plant

This Article is to approve a total of \$700,000 to install a 250 Kilowatt Solar Photovoltaic Array on Town-owned land at the Wastewater Treatment Plant (WWTP) located at 99 Old Bridge Rd. The WWTP is the second-largest consumer of electricity in the Town, and in 2014 Medfield spent \$117,158 to provide 770,976 KW hours (KWH) of electricity to the WWTP.

The Solar Array is projected to annually generate 280,000 KWH, which will offset 37% of the electricity purchased for the WWTP from the electric utility. In the first year alone this will save \$44,800 in utility costs at the WWTP. In addition, the Array will generate Solar Renewable Energy Credits (SREC) creating a stream of income for the Town over ten years. After servicing the debt and accounting for the electric savings and SREC's, this project is **cash flow positive after the first year**. The chart below outlines the combined energy savings and SREC income (blue) compared to the debt service and expenses (red).



This article is projected to save Medfield \$678,733 over the next 20 years. The Medfield Energy Committee, Water and Sewer Board, Warrant Committee and Selectmen have unanimously voted in favor of this project.

Vote **YES** on Article 1