



Memorandum

Date: February 11, 2013

To: Common Council

From: Adam Alix, Asst. Superintendent of Buildings and Parks

Re: City of Menasha Public Protection Facility Gas Usage

As all of you should know we recently replaced the gas fired boilers at the Public Protection Facility with the financial assistance from the American Recovery and Reinvestment Act. Using the winter months just prior to their replacement as our base line we calculated that we were consuming 2.93 Therms per heating degree day. Since the installation of the new boilers we are now consuming only 2.21 Therms per heating degree day for an approximate savings of 25%.

Between October 1, 2011 and January 27, 2013 we have experienced 9,819 heating degree days while consuming 21,677 Therms to operate the boilers at a total cost of \$15,000.57 (\$.6920/Therm). Had we still been heating the facility with the old boilers using 2.93 Therms per heating degree day we would have consumed 28,770 Therms at a total cost of \$19,908.84 (28,770 X \$.6920) over that same time period. This increased efficiency has resulted in the City saving \$4,908.27 over the past one and one half heating seasons.