VILLAGE OF POPLAR GROVE

"A Great Place to Call Home"

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To: Village Board of Trustees

Date: 10/14/2020

Reason: Grit Room Furnace SWWTP

Currently, there are two hanging, forced air heaters located in the grit room at the south wastewater treatment plant. One of the heaters has not operated in over a year and the other has been temporarily repaired by Comfort Solutions to get us by at the moment. It is only a matter of time before the second unit malfunctions in a way that it can not be repaired and we will be without heat all together. This unit also has cracks and multiple holes in the heat exchanger. In short, it is time for a replacement.

The grit room has a very corrosive environment due to the wastewater gasses within the room. Ion and myself decided it would be best to convert the room over to a radiant style tube heater because it will be sealed and not allow the corrosive environment to reach the internal components of the furnace. A radiant style heater also heats surfaces, instead of just the air, which will allow one heater to more evenly heat the room instead of replacing both hanging style forced air units.

Three quotes were obtained for a replacement heater. Comfort Solutions (who does all of our heating and A/C PM's) was the lowest quote at $5,660.00. I have attached their quote and recommend using them to install a radiant tube heater in the SWWTP grit room as soon as possible.

Regards,

Mitch Hilden
Director of Public Works