

SPECIAL MEETING OF THE NORTH HORNELL VILLAGE BOARD JUNE 11, 2018 6:00 PM

ATTENDANCE: Mayor: John Falci
Trustees: Frank Libordi & Peter DiRaimondo, Joseph Ingalls (Absent)
Elise McCollum
Clerk: Kristene Libordi
Superintendent Richard Scavo
Griffin Ellis

Mayor Falci opened the meeting at 6:00PM. He introduced Griffin Ellis (energy engineer) who gave the board findings from his energy audit.

1. Offices and conference room are served by a single air handler. Each space is zoned and controlled by isolation dampers. During the visit it was found that the air handler is cycling between heat and cooling. This was making the unit fight each zone.
Recommend adding a ductless heat pump system to support these areas
Recommend adding occupied sensor for zone space conditioning and lighting. If an area is not occupied, then the unit will not heat or cool (night time only). Control the conference room leave the unit on the existing air handler, controlling just the conference room space. Then have "mini splits" for the two offices that are heat pumps (heating and cooling) that run independent of the conference room. Air compressor cost per year to operate is \$250 per year. This is at a run time of 5 min every hour. \$1,600 per unit \$3,000 installed (splits) 8000btu's. There is money thru NYSEG for help (incentives). The air conditioning will be twice as efficient. Nothing done in the front entry. Mr. Griffin would like an opportunity to bid on the job.
Demand costs are high. Fire department turns on oxygen pump, it may require a 50kw generator to be available to the Village that depending on the terms is paid for two to three months. Village hall has more demand costs than consumption costs. The air compressor is \$250 per month to operate. Shut breaker off to that and get a mini pancake air compressor. This is for the trucks.
The oxygen pump to fill air tanks is the biggest load in the entire building. It should have been a three phase and would be too costly to change. See #4. Possibly have a schedule for doing oxygen tanks – the first of every three months. City of Hornell fills oxygen masks for free to other fire departments. Mayor stated that he liked the donation of generator (possibly to city) but we would have to have guarantee of lifetime use and unrestricted.
2. Fire Hall exhaust system.
Recommend installing a barometric/powered damper to the exhaust to keep the heat in the area
3. Fire hall lights are T8. These can be replaced with LED inserts. Power required is 1/3rd of the cost of T8. Incentive from NYSEG for this.
4. By adding VFD and controls the system would get a soft start and also a large energy savings of 50%. A savings of roughly \$2,100 per year. The Pump station upgrade will save electricity and less stress on the generator. There are NYSEG incentives for this.
5. Motion sensors in the kitchen and bathrooms - everywhere in building.
6. Replacing the upstairs window air conditioner with a high efficiency unit.

Street lighting is the biggest utility consumer that the Village has. Village rents fixture from NYSRG. \$600 per month is the rental per month. Approached NYSEG to remove the lights that Village pays rental on and we replace the arm (they own the arm) we would pay to remove the lights and arm which would cost at least \$100,000. He recommended applying for the LED light program. Rent will still be charged and they will replace light fixture. The rental will be a smaller figure existing, but not sure of exact cost.

Mr. Ellis will forward information on what the board is interested in pursuing.

The Clerk will contact Gary Archambeault from NYSEG to get the information on the contract the Village has with them on the street light rental charges.

Meeting was adjourned at 6:55 PM.
Respectfully submitted,

Kristene Libordi
Village Clerk