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CranberryTownship.org 

Director's Justification Memo

DATE: 3/8/22

TO: Lucas Martsolf, Assistant Township Manager

FROM: Gary Beltz, Facilities Manager; Kelly Maurer, Director DPW

RE: New HVAC Unit for TOC Server Room

Munis Project Number: CP043

Munis Account(s): 3400-6430-6121

Check this box if the purchase is part of a capital project.

Project Title:

New HVAC Unit for TOC Server Room

Purchase / Project Description:

Provide a detail description of the proposed requisition. (650 character limit)

The Department of Public Works, Facilities Division has identified the need for a new HVAC unit in the the Traffic Operations Center (TOC) Server Room. The current HVAC unit is aging and there is currently no back up system. The existing unit has been in service since 2010 and runs continuously 24-7. The current system requires shut down for regular preventive maintenance and for required repairs. Based on coordination with the IT Department, the additional unit is recommended to increase capacity and be used as a back up, similar to the backup system in the Network Operations Center at the Admin Building.

Purchase / Project Justification:

Describe why is this requisition is needed. What alternatives were considered? (650 character limit)

The TOC Server Room houses the Township's 49-signal interconnected traffic signal system as well as Township network storage. Proper heating, cooling and humidity is required maintain the constant environment for the TOC Computer Servers. Any catastrophic failure or major repair would shut down the system and could cause damage to the servers and/or cause the interconnected traffic signal system to fail. This additional system will be set up on a lead lag schedule to provide even run times to prevent excessive wear to one system and serve as a backup for any emergency or planned work to automatically maintain constant room conditions.



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Purchase Cost Details:

Provide a summary of the estimated costs. (650 character limit.)

The proposed HVAC unit for purchase is a Liebert CRV Air-cooled Precision Cooling System at a cost of \$28,250 including installation. The proposed unit will be purchased as a sole source under a government purchasing contract (PEPPM).

Capital Project CP019 was submitted for \$33,000 to cover this cost. Additional cost may be incurred for miscellaneous pipe and electrical, estimated to be less than \$2,000.

Staff Recommendation:

Describe the basis of your recommendation. (500 character limit.)

Due to age of the current HVAC System and need for a backup system in the TOC Server Room, it is our recommendation to purchase a Liebert CRV Air-cooled Precision Cooling System at a cost of \$28,250. Per the Capital Project approval, the funding will be from the Capital General Fund (3400-6430-6121). Due to current supply chain issues, anticipated delivery time is currently up to six months.

Image:

(Attach image if, applicable.)