



CITY OF STOUGHTON  
DEPARTMENT OF  
PLANNING & DEVELOPMENT  
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RODNEY J. SCHEEL  
DIRECTOR

Date: July 22, 2022

To: Dave Ehlinger  
Director of Finance/Comptroller

From: Rodney J. Scheel  
Director of Planning & Development

Subject: ARPA – GPS Ionization Units

GPS Ionization equipment technology is added to HVAC equipment and is intended to improve air quality. The most efficient time to add this equipment is when units are being replaced. Our CIP includes replacement of rooftop units (RTU), fan coil units (FCU) and air handling units (AHU) about every 20 years. Starting in 2021 this type of technology has been and is being installed when the units are replaced. In 2021 and 2022 the Public Safety Building and EMS each had two RTU's replaced and included this technology.

The CIP request that was just submitted includes:

2023 – Library – HVAC Engineering Study to evaluate the entire system and anticipate replacing the major air handling unit in 2024. GPS Ionization would be part of the replacement.

2024 – Two Fan Coil units serving the Opera House Dressing rooms are scheduled for replacement.

Remaining units:

Assuming some electrical work for each location the estimated cost would be \$1,200 for some units and \$2,000 for other units.

Martin has suggested if we add to existing units that we proceed in the sequence below if we don't do them all at once:

Senior center \$2,000 (1)  
Library \$4,400 (3)  
Opera house \$4,000 (2)  
Council Chamber \$2,000 (1)  
Fire Department \$2,000 (1)  
Public Works \$2,000 (1)  
City Hall \$5,600 (4)

EMS remaining units \$6,000 (3)  
Youth Center \$7,200.00 (6)  
Depot \$2,400 (2)  
Opera House bldg. remaining units \$7,200 (8)  
Public Safety Building remaining unit \$2,000 (1)  
Senior Center Annex \$4,800 (4)  
Food Pantry \$1,200 (1)

Total Estimated Costs for all of these units: \$52,800

CC: Mayor Tim Swadley