

Richland County: Capital Improvements / Capital Projects Planning — Project Summary Sheet

<b>Department</b>	Health & Human Svcs	<b>Presented By:</b>	Tracy Thorsen
<b>Project Name:</b>	HVAC System Upgrade for the Community Services Building	<b>Projected Cost:</b>	\$100,000 - \$150,000
<b>Budget year(s)</b>	2022	<b>Multiple Years</b>	(No, or Range of Years)



<b>Funding Source</b>	<b>Amount:</b>
Annual Operations	
G.O. Debt / Short Term Fund #92	
G.O. Debt Long Term Fund #75	\$150,000
Foundation / Partnership Funded	
Fed or State Got/ Grant	
Service Fees / Other	

What is the project and what service does it support?

The proposed project is to upgrade the HVAC system for the Community Services Building by replacing the existing 18 heating and cooling units with 3 or 4 larger more efficient units and to complete the necessary ductwork to address the problems with temperature regulation in certain zones of the building. The purpose of the project is to improve/maintain the County's building mechanical systems. The project cost listed above is a broad estimate. Technical expertise and specifications are necessary in order to develop a more accurate cost estimate and obtain bids.

Why is it needed, and when does it need to be in place?

The majority of the heating/cooling units are nearing end of life and are at risk of multiple units failing in close succession of each other. There are currently 18 heating and cooling units supplying the building. Eleven (11) are more than 20 years old. There is not a clear timeline of when updating the HVAC system should occur, but the longer we wait; the more the building is at risk of successive unit failures. This project is proposed for 2022 or 2023.

What are the risks and consequence of going without, deferring until a later year, or reducing?

If the overall HVAC system is not addressed, we will need to continue the patchwork practice of replacing one unit at a time as breakdowns occur. The risk of needing to replace multiple units in one year increases as more approach their end of life. The cost of the heating/cooling unit that was replaced in December 2019 was \$6,156. We did not need to replace any units in 2020.

Additional comments // previous history or action on this project?

The heating and cooling system has been pieced together with each expansion or remodeling of the Community Services Building over many years. This patchwork of different systems is not efficient. Different units need to be maintained by different manufacturer service providers. Needed ductwork was not properly conducted for the office remodeling construction that occurred in 2015 and 2016 causing many problems with temperature regulation in those areas.