

## HVAC Problems in the Fellowship Hall, Office, and Classroom Addition

### Note Updates in Bold as of January 24, 2023

We are currently experiencing problems with the steam boiler system being used to heat the Fellowship Hall, Office, and Classroom addition at the Church. There are components of that system that have exceeded their life expectancy and they need to be replaced or rebuilt.

The core of the system involves two boilers, four circulating pumps, two sets of controls, and other support components. This past fall we had to replace a leaking pressure relief tank. One of the four circulating pumps had to be replaced today, December 20, 2022. One of the circulating pumps has been replaced previously. The other two are of the same era as the one we just replaced and have the potential to fail at any time. The cost of today's work is estimated to be in the area of \$300.00 and the cost to replace the other two old pumps will be about the same for each one.

Additionally, we are dealing with what are believed to be venting and control issues. The resolution of these issues involves the reconfiguration of the boiler venting system for both boilers and changing some of the electronic controls on them. Initial cost estimates for this work are in the \$750 range. It is very possible, if not likely, that additional expense will be incurred as we go through the repair process. The total of all needed upgrades will likely exceed \$1,000.

**Updated information on additional work that needs to be done puts the total cost estimate at \$3,500 +/- . This includes replacing the two remaining pumps, reventing both boilers, replacing an aquastat (unit control), repairing the frozen/burst pipe from December, and adding 20 gallons of no burst antifreeze to the system.**

We are attempting to work our way through these issues and maintain a comfortable environment in all areas of the Addition. These expenses are above and beyond our normal operating budget, and we will have to find revenues to cover these unexpended costs. . Please be patient with us as we work our way through this process.