

The equipment will be installed as follows:

- 1 split unit for kitchen and sanctuary
- 1 single unit for sanctuary
- 1 split unit for the foyer and fellowship room
- 1 single unit for the fellowship room
- 1 split unit for library and nursery

This means there will be 5 outside compressor units and 8 interior heads. The strategy behind this layout is that both the sanctuary and fellowship room are heated by 2 outside compressors, thereby providing redundancy in case of equipment failure.

As for the cost:

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| ○ Cost for the equipment and installation | \$ 43,044.00 |
| ○ HST | \$ 6,749.10 |
| ○ Total | \$ 49,793.10 |

The combined cost of the 2 main parts of the project (without HST) is \$ 54,298.35
With the 80% subsidy by Efficiency Nova Scotia, our part of the \$54,298.35 will be \$10,859.67

As mentioned above, we will also be responsible for the full amount of HST, which is \$8,144.75. However, we can claim 50% back of our HST expenses back.

Thus, the total cost to Emmanuel Church, after the Efficiency Nova Scotia subsidy has been received will be \$19,004.42

We currently have over \$24,000 in the building fund plus \$7,500 in a memorial fund that hasn't been designated yet. So, we have the funds in place to cover the final tally. Meanwhile, a generous congregant has offered to provide the financing needed to bridge the gap between when the bill is due and when the subsidy is received.

Although it is difficult to predict just how much this upgrade will save on our heating bill, it is important to remember that our 1950s furnace probably has an efficiency of less than 70%. Heat pumps, on the other hand, run at an average efficiency of about 220%. Expectations are that this will save us thousands of dollars each year.

Finally, once the system is operational and we have learned to work with it, it may be necessary to install wall-mounted electric heaters in the washrooms and/or maintenance room. We have been encouraged to hold off on including this in the project, as it may not be necessary.

Blessings,

The Elders and Deacons