

MERP SUMMARY for Library Energy and Weatherization initiative:

The library building committee, focused on energy improvements to the existing building, sat down with the MERP (Municipal Energy Resilience Plan) coordinator for the NEK to review the level II assessment we received as Phase 2 in the MERP process. We identified the priorities that will be included in our grant request as part of Phase 3, the implementation grant.

- *Insulating the old basement and identified areas in the newer crawl space.

To date we have gutted the basement, performed mold remediation, applied new moisture barrier to the floor and installed a commercial dehumidifier.

- *Replace moisture barrier on floor in the new wing crawl space.

- *Install ventilation both downstairs and upstairs.

- *Install 2 Heat Pumps to work in conjunction with the existing boilers that are still in good shape but are reaching their 10 year point. Idea is to provide supplementary heat and cooling and reduce carbon footprint. We would also be looking at an air to air system to work in conjunction with the boilers.

- *Replace windows in the new wing as they are old and leaking. Our MERP coordinator will advocate for funds to support the replacement of these windows although the pay back is considered low by current energy standards.

- *Our MERP coordinator will also look at whether solar should be considered. We are currently tied into Hardwick's community solar but additional solar might be a cost saving over time and also reduce further our carbon footprint. We will be keeping an eye in the changes to Community solar.

The gutters that have been installed to reduce moisture penetration into the basement are working well. The new gutters and the dehumidifier together have made a huge difference in stabilizing the basement.

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6/12/2024