

BUTTONING UP THE GREENSBORO LIBRARY

The Greensboro Free Library has been going through some exciting weatherization changes which we will share with the community at an **Open House event on Saturday October 18th from 2-4pm**. This will be an opportunity to see the work that has been done and speak with some of the folks who have been instrumental in helping us move the project forward.

We have been working with local contractors as well as Vermont Historic Preservation, Efficiency Vermont and the state's Building and Grounds Services. Prior to beginning this work we did mold remediation to remove black mold in the old basement. The project is funded by a Municipal Energy Resilience Program grant from the state. Greensboro was awarded \$121,000 to make the Library more energy efficient and mitigate the use of carbon polluting fossil fuels.



Steps forward:

- To fill gaps in the foundation, mortar was applied. The walls were then wrapped with Tyvek and both basements were then foamed.
- New moisture barriers were installed on the floors in both basements to reduce humidity and mold. A commercial dehumidifier was added in the old basement.
- The floor joists in the old basement were reinforced to ensure floor joists were supported properly, as required by the Fire Marshall.



Current Work:

Bill Chidsey, a recent resident in town with significant experience in sustainable home development and maintenance, has installed a new ventilation system on the first and second floors. The ventilation system is already making the library a healthier and more comfortable space.



We are currently installing a whole building heat pump system to more effectively heat and cool the building year around and reduce the use of fossil fuels. Some work will be done to make the existing boilers more efficient – these will become the backup system for heating the building in the Winter.



Future Plans:

In September we will be installing replacement windows in the new wing of the library. These will be double glazed sash windows that will improve heat retention in the building in Winter and will reduce road noise.

If the budget allows we plan to install a backup battery system for emergency use during a power outage. For more information contact Beth Meachem at bethanne241@gmail.com.