

**Wolfeboro Public Library Board of Trustees  
Building Committee Meeting  
Joint Meeting with the Energy Committee  
August 10, 2017**

**Attending as members of the Building Committee:** Candace Thayer, Cindy Scott, Kathy Barnard, Joyce Davis, Pat McLaughlin, Tom Madden, Roger Murray III, Susan Raser, Inger Woerheide

The purpose of the meeting was to discuss energy related concerns and identify areas in which the LBOT Building Committee and the Town Energy Committee could collaborate.

In the proposed renovated and expanded library, the 40 year old heating system will be retired. Goals for the library include a tight, well-insulated envelope with an efficient delivery system such as a heat pump and a potential solar array preferably on the roof. The proposed roof will have a 5-12 pitch and will be installed on top of the existing flat roof which is not ideally oriented for solar. Solar panel ground arrays are flexible, but more expensive. Members of the Energy Committee suggested looking at the area (square footage) of the roof rather than the pitch. They suggested a Salt Box roof had a bigger angle.

The Energy Committee favored heat pumps as they are efficient, can handle many zones and can be operated by multiple fuels and power sources. They felt it was dependable technology that can be adapted or supplemented in the future.

They were curious about the solar tubes and wondered if there was heat loss associated with the daylight gain. They asked if we are going to use permeable surfaces in the parking lot. To be determined.

The Budgetary Maximum Price for the HVAC system was not predicated on a specific type of heating.

The Energy Committee said the Library expansion and total renovation is a unique opportunity to set a Town precedent for “forward looking” construction. They suggested having educational panels which explain the building systems, e.g. heating, electric, fresh air exchange, storm water management, solar as an energy and a daylight generator and sensors that call for light, HVAC, etc. when a space is occupied.

The Energy Committee joint meeting adjourned. The Building Committee meeting continued. Cindy explained the current parking lot plan and the bioswale for storm water management. The drive-by book drop will be located in the parking lot. It will not connect through to the building as that could create fire safety issues if someone were feeling mischievous. Inger said we should bury heat strips in the book drop path to the building for the winter and turn it on before ice forms.

Cindy reviewed the CIP budget documents for the Building project. The Library is meeting with CIP on August 25<sup>th</sup> at 8 am in the Library Meeting Room.

The meeting was adjourned.

Respectfully submitted,

Candace Thayer  
Chair, Building Committee