

Meeting with Facilities Maintenance Technician

Date/Time: 12/27/2016, 10-11 a.m.

Attendance: Library Trustees: Marion Mahar and Albert Carlin (recorder)

FMT: Tom Rutherford

**Current HVAC ductless heating/cooling heat pump proposal:**

- Biggest issues are financing and lack of specifics in HVAC project proposal from SMLD Manager. Is grant money available for estimated \$300,000 project? Money to be used for back-up heat storage units.
- Eight year old existing oil burner in very good condition, exhibiting average efficiency... (No pressing need to replace boiler).
- Cooling/chiller an independent system, with its own maintenance issues.
- Issues with existing system:
  1. \$1,800 -\$1,500 per year cost to change over system from heat to cold.
  2. Up-keep problems due to age of heating/cooling units...3 sets of varying ages-most recent year 2005. Average up-keep cost (?)
  3. Maintenance problems due to distribution of heating/cooling fluid e.g., air pockets in lines requiring system bleeding.
- Concerns:
  1. Is goal of Light Dept. to provide heat/cold for least amount of KWH...and not in reducing cost of heating/cooling operation?
  2. No energy money savings to run new system?
  3. 22 existing units replaced with "box of rocks" heat storage units heated by off peak electric. Approx. same footprint.
  4. No space saving.

**HVAC ductless heating/cooling heat pump proposal--without heat storage units:**

- 4 month installation estimate...outside prep and inside 3 floors.
- 80% estimated efficiency to 15°. (Should be same as current proposal).
- 20 year estimated system lifespan. (Should be same as current proposal).
- No heating base units would result in less heating footprint and more available space.
- Heating/cooling needs adequately met.