



October 23, 2023

## Construction Meeting - Minutes

### Attendance:

Karl Ingoldsby- Director of Plant Operations TRSD  
Maria Watkins – Business Administrator/CFO TRSD  
Jack Sapia – TRSD School Board Member  
Brian Boyle – Former TRSD School Board Member  
Mike Davey - EEI  
Chris Roy – Energy Efficiency Investments Construction Manager  
Brad Prescott – Banwell Architects (for EEI)  
Chris Chlorite - Control Technologies (For EEI)  
Gary Gobbi – Community Member  
Kim Farrah – Former TRSD School Board Member

Mike Davey Introduced Steve with Civile Works Engineering to discuss Regional Campus Solar

- There is a lot of wetlands that severely limits the ability to install a ground based solar field on the main campus. Approximately 1 acre of usable space is on the campus.
- There could be variances allowed from the Planning Board But it would be cumbersome.
- There was discussion about other options to include roof mount and other locations.
  - Pollard has a lot of wetlands and unusable space.
  - Roofs at the High School were discussed
  - Roofs at Sandown North (sloped) were discussed
  - Roofs at Danville (Sloped) were discussed
  - More options would be brought to the committee by EEI in January

Atkinson Academy Discussion of Options Phase 1:

- Mike Davey Presented a list of Energy Conservation Measures for discussion for Atkinson:
  - Phase 2 of Lease:
    - ECM1 Replace existing Deschamps with Valents, with Dehumidification and Duct Cleaning - **Recommended**
    - This was approved with the alternate of using Daiken for any further installations by consensus.
  - Phase 3 of Lease:
    - ECM2B Replace the existing “Spider” Micrometal Unit with new internal ductwork- **Recommended for Phase 3**
    - ECM3 Kindergarten Penthouse equipment and original building HVAC -**Not**



**Recommended for Phase 3**

- ECM4 Lower-level unit – **Not Recommended for Phase 3**
- ECM5 Replace Attic Condenser and Coil – **Not Recommended for Phase 3**
- ECM6 Replace Burners with Propane burners and remove above ground oil tank and replace with buried or mounted LP tanks- **Recommended for Phase 3**
- ECM7 Atkinson Controls Upgrade- **Recommended for Phase 3**

2024 Lease Phase 2 Projects Proposed Matrix:

- Mike Davey then went over EEI’s Spreadsheet for Phase 2 of lease projects:
  - Belfry Discussion:
    - It was discussed that Phase I and II of the belfry repairs were important due to the existing conditions of the supporting structures.
    - Phase III will be looked at for 2025 with the help of EEI looking into LCHIPS Grants and any Federal Grants available.
  - Atkinson HVAC Phase 1:
    - Daiken will be used for HVAC Replacements from now on to standardize our systems
  - Timberlane High School Roof D:
    - This will be a recover, not a replacement so seismic bracing will not be necessary.
  - Timberlane HS ERV Replacement with Daiken and Duct Cleaning
  - Timberlane High School Controls and valve replacement

**Phase 2 Matrix:**

Lease Phase 2	Description	Cost	Annual Savings
Lease Phase II ECM 1	Atkinson Belfry Phase II Historic and Removal of Chimney Phase 1 and 2	\$270,260	
Lease Phase II ECM 2	Atkinson HVAC Phase 1	\$1,279,410	\$10,736
Lease Phase II ECM 3	Timberlane Regional HS Roof (Phase 1) Roof Area D	\$2,101,400	
Lease Phase II ECM 4	Timberlane HS ErVS Daiken, Dehumidification and duct cleaning	\$4,119,495	\$32,205
Lease Phase II ECM 5	Timberlane HS Controls and valve replacements	\$797,860	\$10,000
<b>Total Lease Phase 2</b>		<b>\$8,568,425</b>	<b>\$52,941</b>

Other Discussion:

- Jack Sapia brought up the windows at the High School and how it was very wasteful not to replace them
- Jack Sapia brought up the fiber board siding at the high school it is in rough shape.

Items to be discussed at the next meeting:

- Pricing for the windows to be replaced at the high school
- Pricing to replace the damaged fiber board siding at the high school
- Phasing for remaining items in the lease
- Solar Options

Next Meeting: January 22, 2024 @ 5:00 PM at the SAU 106 Board Room



## NH School Administrative Unit 106 | Timberlane Regional School District

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Respectfully Submitted by:

Karl Ingoldsby

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