



School Building Infrastructure & Project Management Stewardship Report



10/14/2021
Prepared by:

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1. School Construction Program
2. Capital Improvement Grants
3. School Infrastructure Project Planning
4. Energy Management and Sustainability
5. Indoor Air Quality Program

Construction Projects in State Audits

Audits in Progress

- Davis Street
 - State Draft Audit Complete
 - Review of Audit found several errors
- East Rock Community Magnet School
 - State Draft Audit Complete
 - Review for Audit found Several errors

Projects next for Audit with the State

AMENDMENTS IN PROCESS AND WAITING:

093-0365 Grant/ 093-Mayo:

- Giordano / Amendment 18
 - Submitted to Corporation Council Office
 - Awaiting assignment to Pam or Stacy
- SSRCx / Amendment 3
 - Corporation Council assigned to Stacy for drafting

093-0357 ESUMS

- SSRCx / Amendment 1
 - Need approval from bonding company amendment for submittal to F&O and BOE for approval

Sound School—1989-

Filtration System

All Preparation steps have been completed

Materials have been ordered

Roof Replacement

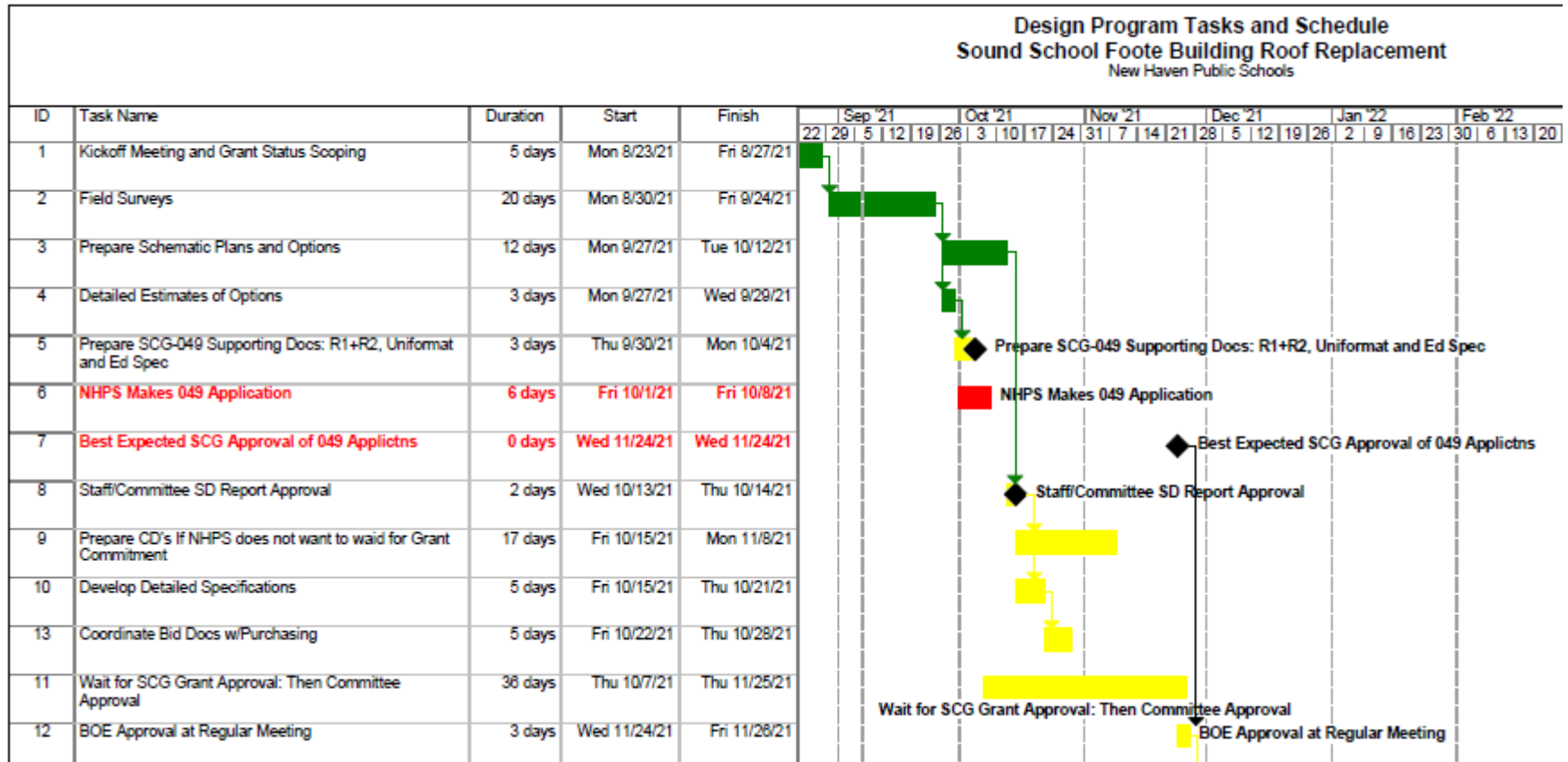
Roof survey conducted

Developing SCG-049 and Ed Spec in coordination with Architect

Capital Improvement Grants



NEW HAVEN PUBLIC SCHOOLS



ESSERII Grant

Bottle Filling Station

- New sample model has arrived.
- Scheduled to be installed at Hillhouse in the next few days.

BMS System Upgrades

Upgrades to Tritium are in process at:

- Martinez School—90% Complete
- Nathen Hale—100% Complete
- Daniels School—90% Complete

Next to be Upgraded

Fairhaven

Kathrin Brennan

ESSERII Grant Cont.

CO2 Sensor Repair or Replace

1. Bishop Woods—100% Complete
2. King Robinson—classroom sensors complete, AHU's work in progress
3. B. Ross—100% Complete

Coop and Sheridan - survey complete. Ct Controls working on the proposals.

Domestic Hot Water Tank Replacements

IES Engineering will be developing the equipment replacement specifications. Contract for services is currently with City of New Haven Corporation Council for review

Lincoln Bassett School—2001 Renovation (20 Years)

- Tank is leaking and failure is imminent
- Awaiting PO for design of system

Bishop Woods School—2009 New (12 Years)

- Tank has failed
- Small Temporary is in place

Additional information from Long Term Facilities Study will assist in prioritizing.

Building Heat Boiler Replacements

Fair haven—Last Renovation was in 2004 (17 Years)

- 99%

Wexler School—Last renovation was in 2000 (21 Years)

- 90%

Boiler Replacements based on Internal Assessment

- Nathen Hale—Renovation 2003 (18 Years)
- Hillhouse—Renovation 2002 (19 Years)
- Wilber Cross—Renovation 2003 (18 Years)
- Ross Woodward—Renovation 2004 (17 Years)
- Lincoln Basset—Renovation 2001 (20 Years)
- Clarence Rogers—Renovation 2000 (21 Years)
- Daniels School--Renovations

At approximately \$250,000 for each boiler cost to district will be approximately \$3,000,000 for all currently identified for replacement. Some schools have multiple boilers.

Additional information from Long Term Facilities Study will assist in prioritizing

Swimming Pool Equipment Upgrades, Repairs or Replacements

Evaluating if ARP-ESSER funds can be used for remaining repairs.

Career School—Renovation 1998 (23 Years)

- Pumps are no longer serviceable and require replacement
- All interior painting has been completed
- Scaffolding still in place and needs to be removed.
- Exterior caulking and
- Sand filter is not functioning and requires replacement.
- Facilities Team is working with city purchasing to award bid

Conte School—Renovation 2001 (20 Years)

- Assessment for structure of pool 7/8
- IES has provided bid specifications for repairs to concrete
- Pool closed and drained for safety
- Sand Filter media is also in need of replacement
- Project bid and has a cost of \$23,700

Swimming Pool Equipment Upgrades, Repairs or Replacements

Cross School—Renovation 2003 (18 Years)

- Acid washing and re-grouting of pool area tile
- Estimated cost of \$50,000
- Need to Identify Funding Source

Hillhouse School—Renovation 2002 (19 Years)

- Pool Surface in need of re-grouting
- Estimated cost of \$33,597.00
- Need to Identify funding source

Martinez School—New 2004 (17 Years)

- IES is preparing updated bis specifications for repairs. Current cost estimate is more than a year old
- Removal and replacement of dehumidification system that is beyond serviceable life and no longer functioning.
- Bid has been awarded for engineering services to create scope of work
- Estimated cost of replacement is \$400,000.00

Other Items of Note:

- *Water Main Brake at HillHouse Repaired*
- *Playground Inspections complete and repairs underway*
- *Ross Woodward playground*
 - *12 to 14 weeks for equipment and materials to arrive*
 - *Safe surface cannot be installed in weather below 40 degrees*
- *November starts round 2 of filter replacements*

Additional locations will be identified and prioritized as part of the long term facilities study

Development of District Rolling Capital Improvement Plan

Plan Development

- Long Term Facilities Study
- Building Inventory with age of building and last major renovation
- Asset Inventory of all major building systems and date of install
- Assessment and prioritization of all district building assets based on building Age:
 - Roofs
 - Parking lots and Side Walks
 - Building Envelops
 - Heating Systems
 - Cooling Systems
 - Fire Suppression Systems
 - Fire Alarm Systems

Additional locations will be identified and prioritized as part of the long term facilities study

LED Lighting Upgrades Scheduled for 21/22

- Meeting to be set up with Elias and city to discuss Contract concerns raised by corporation council to move process forward.

Schools next in line for LED conversion:

- Hill Regional Career
- Clinton Avenue School
- Troup
- King Robinson School
- Martinez (if funding allows)

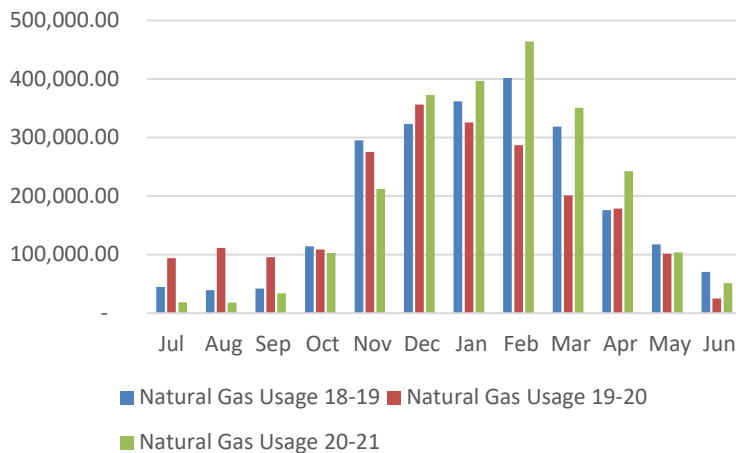
Fuel Cell Replacement Status

- Working with Giovanni and Mike Gormany to plan next steps with in coordination with the City of New Haven and the replacement of there fuel cell.

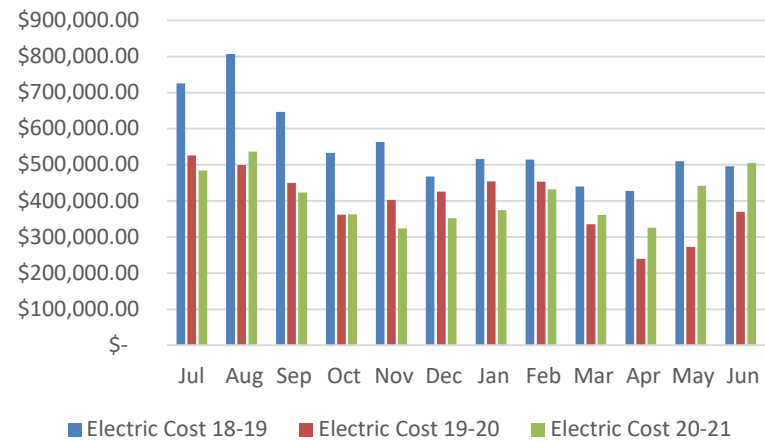
End of Year Electricity and Natural Gas U Report

1ST (7) Months (kWh) increase or decrease							(1,469,600.00)	Last (4) Months (kWh) increase or decrease					4,319,514.00	2,849,914
1ST (7) Months (kWh)% of increase or % of decrease =TREND							-7.41%	Last (4) Months (kWh)% of increase or % of decrease					47.84%	9.87%
														40.43%
Gas (ccf)	(75,370.31)	(93,624.08)	(61,576.53)	(6,277.59)	(63,552.56)	16,294.61	70,809.09	176,881.52	149,858.54	64,229.96	2,316.84	26,747.01		
% Variance	-80.00%	-83.78%	-64.24%	-5.76%	-23.06%	4.57%	21.73%	61.69%	74.55%	35.96%	2.28%	106.55%		
Gas (ccf)							1,155,389.57						12,555,486.66	206,737
							(213,297.37)						1583.19%	
							-15.58%							9.56%

Natural Gas



Electric Costs



Flooding and Mold Issues around the district...

Facilities continues to monitor and respond to air quality issues as quickly as possible. We have in place a certified vendor for remediation of these kinds of events.

All of these instances have provided an ongoing opportunity for the COO to evaluate the Facilities team and our response plan related to remediation of water or flood damage to our school buildings. The Facilities team has made great improvements to identify, respond and resolve these issues in a more permanent way.