







# School Building Infrastructure & Project Management Stewardship Report

Prepared By: 6/9/2022 Thomas Lamb, Chief Operating Officer

Joseph Barbarotta, Executive Director of Facilities

### STRATEGIC PLAN: SY 2020-2024



#### **Core Values**

We believe...

- **1 Equitable opportunities** create the foundation necessary for every child to succeed
- 2 A culture
  of continuous
  improvement will
  ensure that all
  staff are learners
  and reflective
  practitioners
- **3** High expectations and standards are necessary to prepare students for college and career
- **4** Collaboration and partnerships with families and the New Haven community will enhance learning and achievement



#### Mission

To provide all students in New Haven Public Schools with personalized, authentic, and engaging learning experiences through creativity, exploration, innovation, critical thinking, problem-solving, and high quality instruction. To foster a culture of continuous improvement through collaborative partnerships with staff, families, and the New Haven community. To support students' growth and development by utilizing the Whole Child Framework.

Our vision is to be a premier urban school district that ensures access to equitable opportunities and successful outcomes for all students as they prepare for college, career, and life.

#### **Priority Areas for 2020-2024**

- **1** Academic Learning
  - Youth & Family Engagement
- **6** Operational Efficiencies

- Culture & Climate
- Talented Educators

WWW.NHPS.NET

### Contents



- 1. Long Term Facilities Study
- 2. State of Connecticut Construction Project Audits
- 3. Open Items Project 093-0365 Wexler Grant
- 4. Open Items Project 093-0357 ESUMS
- 5. Door Repairs and Replacements
- 6. Energy Management and Sustainability
  - 1. LED Lighting Program
  - 2. Building Management System Upgrades
  - 3. CO2 Sensor Upgrades
  - 4. Domestic Hot Water Boiler Replacements
  - 5. Heating Boiler System Replacements & Upgrades
  - 6. Building Chiller System Repairs
- 7. Indoor Air Quality Program
- 8. Other Projects
  - 1. Sound School, Foote Building Filtration System Upgrade
  - 2. Bottle Filling Stations
  - 3. Water Distribution Booster Pumps Replacement
  - 4. Fire Alarm System Replacements and Upgrades

9. Swimming Pool Repairs



School Name / Program / Building:	NHPS District			
Project Name :	Long Term Facilities Plan			
Project Assigned to:	COO Office			
On Track Delayed Stopped		Project Status Start Date	June-2021	
Completed		Target Date	First Quarter 2022	
Task	Status	Target Date	Comment	S
Presentation & Planning Meeting to District Leadership				
Develop Inventory of Properties		Oct-2021 • Releases signed so that CAD document school can be provided		
Presentation to Stewardship Committee				
Award of Contract		May-2021	Awarded to Svigals Archite	ct Firm
Status Meeting		Feb-2022	<ul> <li>Status meeting scheduled f</li> <li>Request for Draft to review before final is received.</li> </ul>	
Changes in Project Team		Mar-2022	<ul> <li>Project Lead from firm has them. Will discuss planning</li> </ul>	<del>-</del>



School Name / Program / Building:	School Construction Program				
Project Name :	State Construction Project Audits				
Project Assigned to :	COO Office				
On Track Delayed Stopped		Project Status	s May-2020		
Completed	Target Date		Dec-2021		
Task	Status	Target Date	Comments		
Projects next for State Audit			<ol> <li>Roberto Clemente</li> <li>Hill Central</li> <li>Bowen Field</li> <li>No New Information from the State of CT</li> </ol>		
Internal review of draft audit reports for Davis Street and East Rock Schools	Nov 2022	Nov-2021			
Letters to State Office of School Construction	Dec 2022	Dec-2021	<ul> <li>Draft letters to be reviewed by the Superintendent</li> </ul>		
Reviewed Letters Sent to Office of School Construction	Jan 2022	Jan 2022			
Waiting on Final Draft of audit reports from OSC	Jan 2022	Time line unknown			



School Name / Program / Building:	School Construction Program				
Project Name :	093-0365 Wexler Grant				
Project Assigned to:	COO Office				
On Track Delayed Stopped	Project Status Start Date		s May-2020		
Completed		Target Date	Jan-2022		
Task	Status	Target Date	Comments		
Giordano / Amendment 18		Dec-2021	<ul> <li>Submitted to Corporation Council Office</li> <li>Assigned to Elia on 12/21/21 for Drafting</li> </ul>		
SSRCx / Amendment 3		Jan-2021	<ul> <li>Submitted to Corporation Council Office</li> <li>Pending update of COI 2/1/22</li> <li>Pending updated disclosure Affidavit</li> </ul>		



School Name / Program / Building:	School Construction Program				
Project Name :	093-0357 ESUMS				
Project Assigned to:	COO Office				
On Track Delayed Stopped Completed		Project Status Start Date Target Date	May-2020 Jan-2022		
Task	Status	Target Date		Comments	
SSRCx / Amendment 1		Dec-2021	<ul> <li>Corporation Council assigned to Stacy for drafting</li> <li>Awaiting approval from bonding company</li> </ul>		



School Name / Program / Building:	District Schools
Project Name :	Door Repairs / Replacement
Project Assigned to:	Facilities, Carpenter, Locksmith, Cohen Keys LLC., Builders Hardware
in Progress	Ongoing Not Started
Delayed	Completed Stopped

Task	School	Status	Comments
District Inspection and Identification of Damaged Doors in Need of repair or replacement.	All Schools		Development of Door Inspection Checklists for Custodial Engineers to identify doors in need of repair.
Replacement of damaged exterior rear door Door	Riverside	\$8,000	<ul> <li>Missing Parts / Expected to arrive 5/12 or 513</li> <li>Install of new door final Monday 5/16</li> <li>Entire door, frame, and hardware requires replacement</li> <li>Will also require repair of block wall around door</li> </ul>
Front exterior vestibule door replacement	Cross	\$79,000	<ul> <li>Doors have been delayed in manufacturing no current delivery date.</li> <li>New vandal resistant fiberglass doors have been ordered.</li> <li>Principal needs to pick color of doors</li> </ul>
Repair of Doors Damaged during protest	CO-OP	\$7,800	Project Complete
Magnetic lock Failure	Clerance Rogers		Parts on order and will arrive 5/15



School Name / Program / Building:	District			
Project Name :	HVAC Filter Replacement Program			Program
Project Assigned to :		Facilitie	s Team, COC	Office
Delayed	t Started Ingoing	Project Status  Start Date  Target Date	May-2021 June-2022	

Task	Status	Target Date	Comments
Second Filter Replacement for year Begins	Nov 2021		• Started Nov 14, 2021
Work Sign off sheets in place		Feb-2022	<ul> <li>New Custodial engineers have completed about 50% of schools</li> </ul>
Replacement process and documentation			<ul> <li>Creating log by school with verification of dates changed.</li> </ul>
I-Pads in place for (4) Custodial Engineers	Jan-2022	Jan-2022	<ul> <li>I-pads issued to Custodial Engineers to better track work orders given to staff</li> <li>Take pictures of filter changes and</li> </ul>
Funding for Future			

### Capital Improvement Grants



#### **Alliance Capital Grant**

- 1. Sound School, Foote Building Filtration System Upgrade
- 2. Sound School, Foote Building Roof Replacement

#### **ESSER II Grant**

- Bottle Filling Stations
- 2. Building Management System Upgrades
- 3. CO2 Sensor Upgrades



School Name / Program / Building:	Sound School, Foote Building
Project Name :	Filtration System Upgrade
Project Assigned to:	School Principal, Facilities Team, COO Office
On Track Delayed Stopped	Project Status  Start Date May-2021
Completed	Target Date Jan-2022

Task	Status	Target Date	Comments
Filtration Equipment Delivered			<ul> <li>Some materials have arrived with some damaged materials</li> </ul>
New Floor Drainage Installed		Oct-2021	
Filtration Equipment Installed		Jan-2022	
Replacement of Broken Materials Delivered	1/13/22	Apr 2022	<ul> <li>All materials &amp; equipment on site except one broken piece awaiting replacement to be delivered from Italy</li> </ul>
Facilities to provide electrical outlet for equipment	1/13/22	Jan-2022	



School Name / Program / Building:	Sound School, Foote Building					
Project Name :	Roof Replacement					
Project Assigned to:	School Principal, Facilities Team, COO Office					
On Track Delayed Stopped		Project Status Start Date		May-2021		
Completed		Target Date		June-2022		
Task	Status	Status Target Date		Comments		
Schematic Roof Evaluation & Replacement Recommendations	Nov-2021 • No EDO49 required because we are capital account			cause we are using city		
Develop Bid For Roofing Contractor		Jan-2022		create patio on roc mo scan of roof re	of needs to be removed commended by	

architect.

weeks plus.

 May be significant issues with lead times of roofing materials. Some products are 30



School Name / Program / Building:	District Wide				
Project Name :			Bottle	Fill Station	ons
Project Assigned to:	Facilities Team, COO Office				Office
On Track Delayed Stopped Completed	Started Project Status Start Date Target Date		May-2021 Jan-2022		
Task	Status	Target Comments Date			Comments
Order 60 units per school for the district		Oct-2021	2. 45 3. O	ssistant Super 5 to 60 Day Le rdered Week 60Elkay Surfac	
Sample unit installed		Nov-2021	2. Se		ered and was wrong fit livered and was installed at pol
60 units scheduled to arrive	1/13/22	February 1,2022			will install most of the units bers will assist as necessary



School Name / Program / Building:	District Wide		
Project Name :			Bottle Fill Stations
Project Assigned to :		Facili	ties Team, COO Office
On Track Delayed Stopped Completed	Started	Project Status Start Date Target Date	May-2021 Jan-2022
Task	Status	Target Date	Comments
Install		Feb 2022	<ul> <li>Moving through All High Schools then k-8 in alphabetical order.</li> <li>1. Still working on high schools Cross, Hillhouse Career, ESUMS, CO-OP completed in progress at MBA, Riverside, New Haven Academy in progress</li> <li>2. Our in house plumbers(2) to start working in addition to the contractor as the project is moving slowly</li> </ul>



School Name / Program / Building:		District Wide			
Project Name : Build		ding Management System Upgrades to Honeywell Tridium			
Project Assigned to:		Facilitie	s Team, COC	Office	
On Track Delayed Stopped Completed	Started	Project Status Start Date Target Date	May-2021 June-2022		

Task	Status	Target Date	Comments
Facilities Team Evaluating for future Locations		Jan-2022	18 schools remaining for upgrade
Sole Source Letter	1/13/22	Dec-2021	Sole Source letter completed waiting on signed agreement in process
Martinez School	1/13/22	Nov-2021	Tridium Installed
Nathen Hale School	1/13/22	Nov-2021	Tridium Installed
Daniels School	1/13/22	Oct-2021	Tridium Installed
Fair Haven	1/13/22	June-2022	• In Process
Kathrin Brennan	1/13/22	June-2022	• In Process



School Name / Program / Building:	District Wide			
Project Name :	Building Management System Upgrades to Honeywell Tridium			
Project Assigned to :	Facilities Team, COO Office			
On Track Delayed Stopped Completed	Start Date May-2021 Target Date June-2022			

Task	Status	Target Date	Comments
Mauro Sheriden		June-2022	
Hillhouse		June-2022	
Wilbur Cross		June-2022	
Beecher		June-2022	
Sound		June-2022	
Jepson		June-2022	



School Name / Program / Building:		District Wide			
Project Name :		CO2 Sensor Upgrade/ Repair / Replace			
Project Assigned to:		Facilitie	s Team, COC	Office	
On Track Delayed Stopped	Started	Project Status Start Date	May-2021		
Completed		Target Date	June-2022		

Task	Status	Target Date	Comments
Facilities Evaluating Other Sights		Dec-2021	
Co-Op		Nov-2021	
Mauro Sheridan		Nov-2021	
King Robinson		Jun-2022	
Betsy Ross		Jun-2022	
Jepson		Jun-2022	

### School Building Infrastructure Project Planning



**Domestic Hot Water Tank Replacements** 

**Domestic Hot Water Booster Pumps** 

Fire Alarm System Replacement and Upgrade

Heating Boiler System Replacement and Upgrades

Mauro Sheridan

# Project Planning & Status Worksheet



School Name / Program / Building:	District Wide			
Project Name :	Domestic Hot Water Tank Replacement			
Project Assigned to:	Facilities Team, COO Office			
On Track Delayed Stopped Completed	lot Started	Project Status  Start Date May-2021  Target Date June-2022		
Task	Status	Target Date	Comments	
Lincoln Basset School		Dec-2021	IES engineering firm has developed specifications	
Bishop Woods		Nov-2021	• IES engineering firm has developed specifications	

Jan 2022

Nov-2021

• In design phase

• Preparing Bid Documents



School Name / Program / Building:		District Wide				
Project Name :		Domestic Hot Water Booster Pumps				
Project Assigned to :		Facilitie	s Team, COC	Office		
On Track Delayed Stopped Completed	Started	Project Status Start Date Target Date	May-2021 June-2022			

Task	Status	Target Date	Comments
Daniels School	Feb 2022	May 2022	<ul> <li>Booster Pump no longer providing enough water pressure to school</li> <li>Out to bid Being awarded</li> <li>Awaiting Board approval</li> </ul>
Mauro Sheridan	Feb 2022	May 2022	<ul> <li>Booster Pump no longer providing enough water pressure to school</li> <li>Out to bid Being awarded</li> <li>Awaiting Board approval</li> </ul>
On F&O agenda 3/7/2022		Mar 2022	<ul> <li>Approved and passed on to board for meeting on 3/14</li> </ul>



School Name / Program / Building:		District Wide			
Project Name :		Building Heat Boiler Replace Upgrade			
Project Assigned to:		Facilitie	s Team, COC	Office Office	
On Track Delayed Stopped Completed	t Started	Project Status Start Date Target Date	May-2021 June-2022		

Task	Status	Target Date	Comments
Fair Haven		Nov-2021	Complete and Running
Wexler School		Jan-2022	Complete and Running
Hillhouse Has 3 Boilers Boilers are past serviceable life New boiler will be ordered. Approximately a one year lead time.	Feb 2022	Sept-2022	<ul> <li>IES to develop bid specifications</li> <li>One boiler to run building down to 20 degrees.</li> <li>Need to install valves to separate 2 of the boilers</li> <li>Valves have 16 week lead time ordered 15 weeks ago</li> <li>Waiting for agreement approvals</li> </ul>
Wilber Cross		Sept-2022	IES to develop bid specifications.



School Name / Program / Building:	District Wide	
Project Name :	Building Heat Boiler Replace Upgrade	
Project Assigned to:	Facilities Team, COO Office	
On Track Delayed Stopped Completed	Started Project Status  Start Date May-2021  Target Date June-2022	

Task	Status	Target Date	Comments
Nathen Hale		June-2022	Waiting for RFA agreement to be finalized
Ross Woodward		June-2022	
Lincoln Basset		June-2022	
Clarence Rogers		June-2022	
Daniels School		June-2022	

**Interior Painting** 

**Exterior Calking** 

Sand Filter Replacement

# Project Planning & Status Worksheet



School Name / Program / Building:	Career School			ol .
Project Name : Hill Regional Career	Swimming Pool Equipment Upgrades & Repairs		rades & Repairs	
Project Assigned to :	Facilities Team, COO Office			O Office
On Track Delayed Stopped Completed	ot Started	Project Status Start Date Target Date	May-2021 June-2022	
Task	Status	Target Date		Comments
Pumps are no longer serviceable		June-2022		

Oct-2021

June-2022

Feb-2022

Have quoteObtaining PO



School Name / Program / Building:	Conte School
Project Name :	Swimming Pool Equipment Upgrades & Repairs
Project Assigned to :	Facilities Team, COO Office
On Track Delayed Stopped Completed	Started Project Status  Start Date May-2021  Target Date June-2022

Task	Status	Target Date	Comments
Pool Closed for Safety		Oct-2021	
Sand Filter Media Replacement		June-2022	Bid and has cost of \$23,000
Cracks found in foundation			<ul> <li>Assessment for safety completed by IES engineering found no structural loss of integrity</li> <li>Pool liner has been recommended by engineers and pool service provider</li> </ul>
Sand Filter Replacement		June-2022	Have quote obtaining PO



School Name / Program / Building:	Cross School			
Project Name :	Swimming Pool Equipment Upgrades & Repairs			rades & Repairs
Project Assigned to :	Facilities Team, COO Office			Office Office
On Track Delayed Stopped Completed	Started	Project Status Start Date Target Date	May-2021 June-2022	
Task	Status	Target Date		Comments
Acid wash and re-grout pool area tile		June-2022	Estimated Cot	of \$50,000
			Working on PO	approval

Acid wash and re-grout pool area tile



• Estimated Cot of \$35,000

• Working on PO approval

School Name / Program / Building:	Hillhouse School		ool	
Project Name :	Swimming Pool Equipment Upgrades & Repairs		rades & Repairs	
Project Assigned to:		Faciliti	es Team, COO	O Office
On Track Delayed Stopped Completed	ot Started	Project Status Start Date Target Date	May-2021 June-2022	
Task	Status	Target Date		Comments

June-2022



School Name / Program / Building:	Martinez School	
Project Name :	Swimming Pool Equipment Upgrades & Repairs	
Project Assigned to:	Facilities Team, COO Office	
On Track Delayed Stopped Completed	Project Status  Start Date May-2021  Target Date June-2022	

Task	Status	Target Date	Comments
Removal and replacement of dehumidification system	Jan 2022	June-2022	<ul> <li>Estimated Cot of \$400,000</li> <li>IES Engineering firms has developed Bid specifications</li> <li>Will go out to Bid opens Feb 23, 2022</li> </ul>
			Waiting to get authorization to award bid



School Name / Program / Building:	District			
Project Name :		Energy Ma	nagement & Sus	tainability
Project Assigned to:		Facilitie	s Team, COC	Office Office
On Track Delayed Stopped Completed	Started	Project Status Start Date Target Date	May-2021 June-2022	
Task	Status	Target Date		Comments

Task	Status	Target Date	Comments
Schools next for LED Conversion:			
Hill Regional Career		June-2022	<ul><li>New calendar year for Ui funding</li><li>Out to bid</li></ul>
Clinton Ave. School			
Troup School			
Martinez			
Fuel Cell Replacement			No change need to schedule meeting



School Name / Program / Building:	District
Project Name :	HVAC Filter Replacement Program
Project Assigned to :	Facilities Team, COO Office
Delayed	Project Status  Ongoing  Start Date  May-2021  Target Date  June-2022

Task	Status	Target Date	Comments
Second Filter Replacement for year Begins	Nov 2021		• Started Nov 14, 2021
Work Sign off sheets in place		Feb-2022	<ul> <li>New Custodial engineers have completed about 50% of schools</li> </ul>
Replacement process and documentation			<ul> <li>Creating log by school with verification of dates changed.</li> </ul>
I-Pads in place for (4) Custodial Engineers	Jan-2022	Jan-2022	<ul> <li>I-pads issued to Custodial Engineers to better track work orders given to staff</li> <li>Take pictures of filter changes and</li> </ul>
Funding for Future			