



School Building Infrastructure & Project Management Stewardship Report



Prepared by:

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Chief Operations Officer



Joseph Barbarotta
Executive Director of Facilities
Management

1. Construction Grant Updates
2. Commissioning Schedule Updates
3. School & Building Infrastructure Project Planning
4. Energy Management and Sustainability
5. Indoor Air Quality Program Update
6. Work Order Management

Sound School

Filtration System

System has been ordered

In preparation for install district trade staff will complete by week of 7/12:

- Trench and installed floor drain
- Acid treatment and painting of floor
- Boisvert completed reclaiming refrigerant from 18 condensing units that serve the fish production.

Roof Replacement

Contract to Silver Petrucelli for creating the bid specifications is moving through signature process and will be sent to vender week of 7/12.

ESSERII Grant

Bottle Filling Station

- One unit has been ordered to ensure proper install and test unit.
- Connections at all schools are different and will need to determine what unit will fit in each location.
- 2 Units per school
 - One unit at the nursing / administration area
 - One unit in or near the cafeteria

BMS System Upgrades

Upgrades to Tritium are in process at:

- Martinez School—50% Complete
- Nathen Hale—80% Complete
- Daniels School—20% Complete

Commissioning Schedule Update



NEW HAVEN PUBLIC SCHOOLS

Gilbaine Services has officially concluded services to the Board of Education

Electronic project files for all projects have been turned over to COO

AMENDMENTS IN PROCESS AND WAITING:

Grant/Mayo:

- Giordano A#18 (awaiting signatures from BOE since May 18th)
- SSRCx A#3 (same as above)
- CAPO's from BOE accounting (sent weekly emails requesting starting April 20th)
- As you know SCP processes differently than BOE

Gilbaine will provide:

Templates and instructions for:

- 49F (instructions only)
- Make packages of items sent to Corp Counsel for execution and approval including my “submission checklist”
- Get Giordano A18 and SSRCx A3 through to Corp Counsel and approved
- Clean up open and non-audited school files on server. I've done older files.
- Fusco A#20 Close out amendment after Mechanical Contractor is closed out (BOE will need to process)

COMPLETED TEMPLATES: (as of today)

- Template of 49F's for BOE and Citywide Committee
- SSRCx A1 (ESUMS) amendment for submittal to F&O and BOE for approval along with instructions including the memos. (Need Bonding Company approval)

Hot Water Tank Replacements

Lincoln Bassett School

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

Bishop Woods School

- Tank has failed
- Small Temporary is in place
- May not meet the needs of school at full capacity

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

Swimming Pool Equipment Upgrades, Repairs or Replacements

Career School

- 16 floor drains around pool have been replaced.
- Pumps are no longer serviceable and require replacement
- Ceiling above pool and walls are damaged and need to be scraped and painted
 - Project has been band and has a cost of \$174,320
- Tile Flooring around pool is damaged and needs to be re-grouted
- Sand filter is not functioning and requires replacement.
- Facilities Team is working with city purchasing to award bid
- No work has started to-date

Conte School

- Assessment for structure of pool 7/8
- Pool closed and drained for safety
- Sand Filter media is in need of replacement
- Project bid and has a cost of \$23,700
- Need to identify funding source

Cross School

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

Swimming Pool Equipment Upgrades, Repairs or Replacements

Cross School

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

Hillhouse School

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

Martinez School

- 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

Boiler Replacements

Fair haven and Wexler School

- Boilers have ben on Order since January
- Approximate delivery 4 to 6 week out
- BioServ Plumbing is performing work at Wexler
- SK Mechanical is performing work at Fairhaven

Boiler Replacements next to schedule

- Hillhouse
- Nathen Hale
- Lincoln Bassett

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 prisonization 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

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

End of Year Electricity and Natural Gas Report

- Currently gathering end of year data to compile report next meeting

Fuel Cell

- Need to determine what next steps will be.
- Struggling to get vendor to respond

Filter Changes

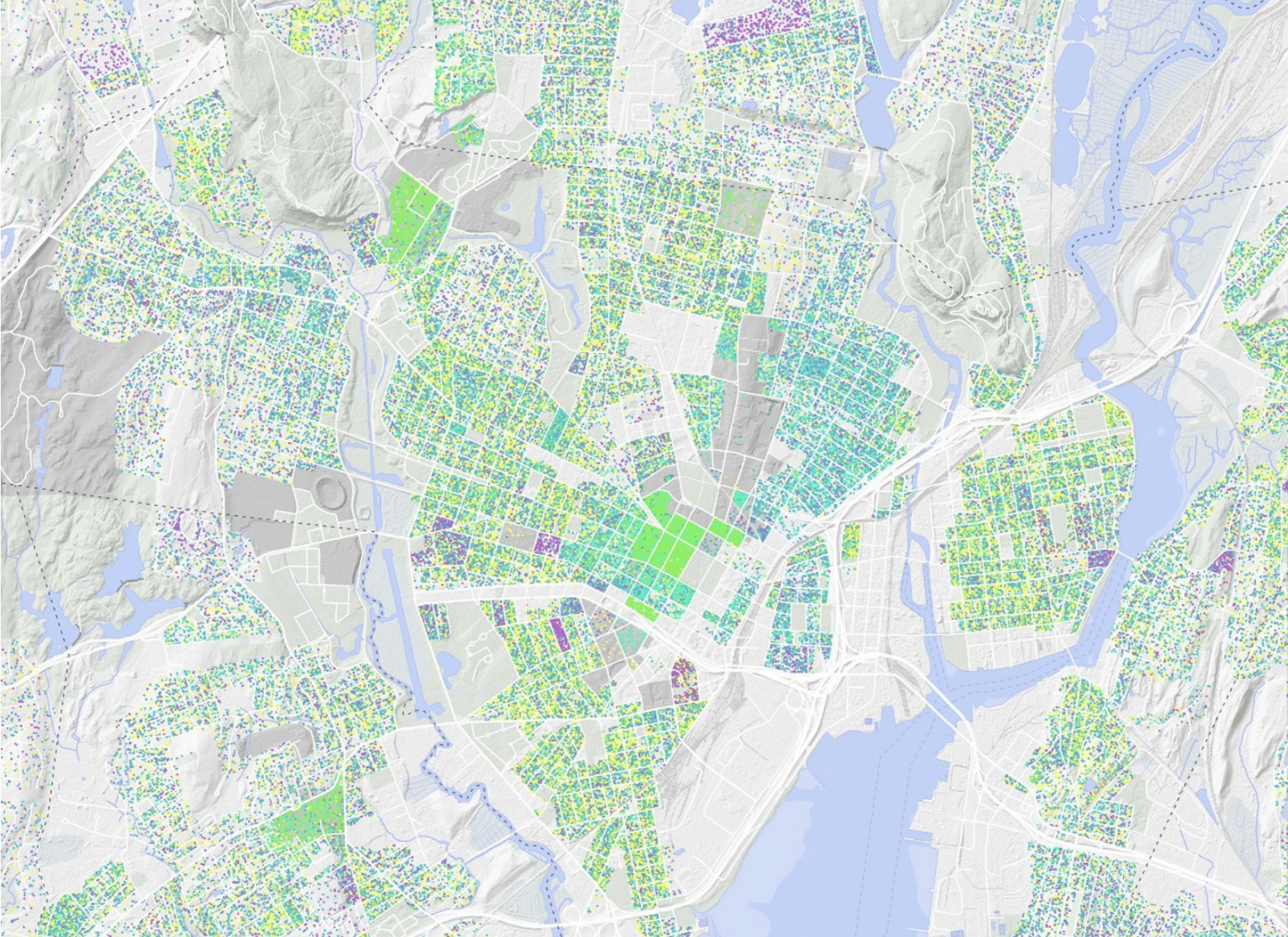
MERV 13 and MERV 8 Filter Change Process

- Change process takes about 4 to 6 weeks
- Current Bid is out to supply filters for the next scheduled change
- 2 Filter Changes per year at approximately \$150,000 each
- Filter replacement schedule developed for every six months in each school

Filter Checks and Balances

- Filter install process / Date and photograph filters
- Inspection procedures developed for custodial supervisors and managers including signatures.
- Air Quality Inspection survey will be conducted with the facilities leadership, the building manager and the school leadership each month.

Architecture + Art



SVIGALS + PARTNERS



**New Haven Public Schools
Long-Range Facilities
Planning Study**

INTERVIEW
April 16, 2021

SVIGALS + PARTNERS



Jay Brotman, AIA
Partner-in-Charge



Julia McFadden, AIA, ALEP
Principal / Project Manager

 SLAM



Glenn Gollenberg, AIA
Principal



Kemp Morhardt, AIA
Principal / Project Manager

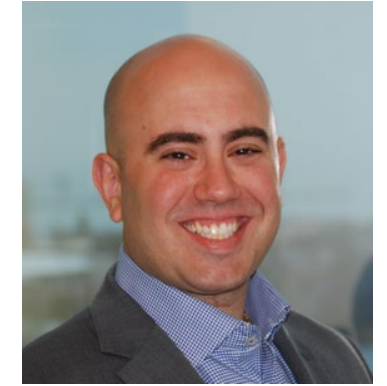
 SLR
Milone & MacBroom



Patrick Gallagher, AICP
Planner



James Dolan, PE, CEM, BCXP, LEED AP
Principal – Energy Engineering



Nicholas D'Agostino, RCDD, PSP, PMP
Senior Manager

+ TWO ARCHITECTURE FIRMS – STAFFING & EXPERTISE

SVIGALS + PARTNERS

38 YEARS IN BUSINESS

03 Office Locations

45+ Industry Awards

SECTORS

Civic-Cultural

Healthcare

Higher Education

K12 EDUCATION

Mixed-Used/Residential

Science & Technology

Workplace

29 Staff Members

13 LICENSED ARCHITECTS

03 Interior Designers

04 LEED AP Certified

01 WELL AP Certified

Connecticut Certified
SMALL BUSINESS ENTERPRISE

SLAM

45 Years in Business

09 Office Locations

250+ INDUSTRY AWARDS

SECTORS

Corporate

Healthcare

Higher Education

K12 EDUCATION

Specialty

270+ Staff Members

94 Licensed Architects

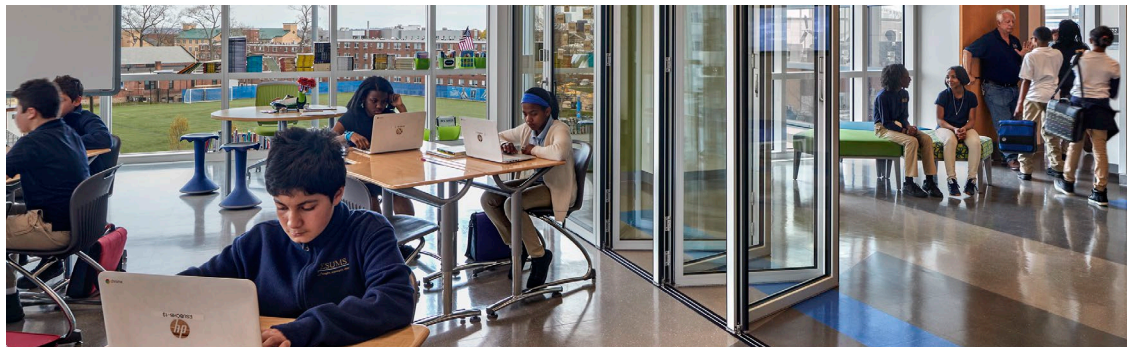
59 Designers

09 Landscape Designers

19 Interior Designers

70 LEED AP Certified

03 WELL AP CERTIFIED



+ WE KNOW NEW HAVEN SCHOOLS

SVIGALS + PARTNERS

Edgewood Magnet School



John S. Martinez STEM Magnet School



L.W. Beecher Magnet School



Columbus Family Academy



Engineering & Science University Magnet School



SLAM



Metropolitan Business Academy



Celentano Biotech, Health Medical Magnet School



James Hillhouse High School



Floyd Little Athletic Center



Beaver Ponds Park MP & Bowen Field Renovation

+ OUR TEAM AT A GLANCE

SVIGALS + PARTNERS



Milone & MacBroom



**LEAD ARCHITECT
EDUCATIONAL PLANNING**

**ASSOCIATE ARCHITECT
EDUCATIONAL PLANNING
COST ESTIMATING**

**DEMOGRAPHICS / ENROLLMENT
SITE / CIVIL / TRAFFIC / LANDSCAPE**

**MEP/FP ENGINEERING
ENERGY PERFORMANCE ANALYSIS**

TECHNOLOGY ENGINEERING

K12 School Design Studio
ALEP Staff

K12 School Design Studio
ALEP Staff

Rewrote New Haven Zoning
standards for Whalley, Grand and
Dixwell Avenues

NH School Construction Program:
Energy Modeling of 24 New Haven
Schools

State of Connecticut Licensed
Telecommunications Layout
Technician

Designed 5+ New Haven Schools
OSCGR Familiarity

Designed 5 New Haven Schools
OSCGR Familiarity

Reporting for New Haven
Community Development and HUD

Recent similar assessment for
Westport Public Schools

Office Located in New Haven

New Haven School Energy
Committee

New Haven School Energy
Committee

Lessons Learned from Danbury
Security Infrastructure Study

30% Staff live in New Haven

Leadership on local boards and
councils

NH School Construction Program:
Developed construction standards

CT K12 Project Cost Database

COVID Back-to-School Toolkit

New York City School Construction
Authority (SCA):

Numerous Energy/Sustainability
studies

4 Engineering teams performed
IAQ survey

Sensitive & Creative Engagement
of Communities: starting with 1st
School in the New Haven SCP
(Edgewood School)

5 Recent Similar Studies:
Waterbury / Hartford / Groton / Ridgefield

+ APPROACH

SVIGALS + PARTNERS



Milone & MacBroom



PROJECT KICK-OFF
Establish Working Group

TASK B:
Curricular and Programmatic Priorities

TASK A:
Demographics Study
Enrollment Projections

TASK C: FACILITY CONDITIONS, CAPACITY & UTILIZATION ANALYSIS

Architectural Facility Conditions Review
Facility Capacity & Utilization Assessment

Site Condition Assessment
Civil / Traffic / Landscape

MEP/FP Conditions Review
Energy Performance Analysis

Technology Infrastructure
Analysis

**TASK D: MASTER PLANNING
FACILITY BEST-USE ALTERNATIVES: 3 SCENARIOS**

Quality Assurance
Final Report

Cost Estimating

Site / Traffic Considerations
& Recommendations

District Energy Consumption
Alternatives &
Recommendations

Technology Infrastructure
Recommendations

NEW HAVEN PUBLIC SCHOOLS - SCHOOL FACILITIES FEASIBILITY AND MASTER PLANNING STUDY - SCHEDULE

