



Hempstead High School



David Paterson Elementary School



Jackson Main Elementary School



ABGS Middle School



Marshall Elementary School



Barack Obama Elementary School



Jackson Annex Elementary School



McNeil-Franklin Elementary School

EXECUTIVE SUMMARY

December 2023



Excellence Ethics Responsibility

Table of Contents

PROGRAM IMPLEMENTATION

- Executive Briefing
- Project Photos

OVERALL PROJECT INFORMATION

- Master Schedule – ECM Matrix
- Financial Status
- Local / Minority / Women Business Enterprises Program Implementation

**HEMPSTEAD UFSD
ENERGY PERFORMANCE CONTRACT**

Hempstead Energy Performance Contract Executive Briefing

Listed are a few of the key items that have taken place in the month of December 2023:

Hempstead High School:

- Chillers at 99% complete - Pipe labeling will bring the completion percentage to 100%. ESG has advised that all pipe labeling will be done when Boilermatic is back on site.
- Building Envelope/Weatherization - complete.
- Interior lighting complete.
- Exterior lighting complete.
- HVAC Control upgrades at complete.
- Pool Cover Install complete (liquid treatment)
- Water Conservation Scope complete.
- Solar Module (PV) panel install is in progress, nearly complete. 97% complete.
- Boiler isolation valve complete.
- Replacement of DHWH complete.
- Piping insulation complete.
- Plug Load controls have tentative install schedule during week of 1/22/24.

ABGS Middle School:

- Interior lighting complete.
- Exterior lighting complete.
- Replacing steam boiler with new steam boiler at 97% complete.
- Building Envelope/Weatherization complete.
- HVAC control upgrades at 95% complete.

Hempstead Energy Performance Contract Executive Briefing (Cont'd)

- Water Conservation Scope complete.
- Roofing punchlist from roofing contractor has been accepted as completed by JohnsMansville. Overburdened roofing paperwork has been accepted by JohnsMansville. Solar Panel (PV) install work at ABGS Middle School has been started and is currently ongoing. 60% Complete.
- Piping Insulation at complete.
- BMS Controls Complete. Initial Training with facilities directors has taken place. Training taking place with contractor and HUFSD staff at each location.
- Plug Load controls have tentative install schedule during week of 1/22/24.

Barack Obama Elementary School:

- Interior and exterior lighting complete.
- Building Envelope/Weatherization complete.
- Abatement and demolition of Boiler completed. (Air clearance received)
- Water Conversation Scope complete.
- Replace Boiler with new high Efficiency Boiler is 97% complete.
- Install of VFD at hot water pump complete.
- Piping Insulation complete.

David Paterson Elementary School:

- Exterior Lighting Complete
- Building Envelope/Weatherization complete.
- Water Conservation Scope complete.
- Piping Insulation complete.

Hempstead Energy Performance Contract Executive Briefing (Cont'd)

McNeil-Franklin Elementary School:

- Interior and exterior lighting complete.
- Building Envelope/Weatherization complete.
- Water Conservation Scope complete.
- Abatement and demolition of boiler complete (Air clearance received)
- Replace Boiler with new high Efficiency Boiler is 97% complete.
- Piping Insulation complete.

Jackson Annex Elementary School:

- Exterior lighting complete.
- Water Conservation Scope complete
- Boiler controls complete
- Piping insulation complete.

Jackson Main Elementary School:

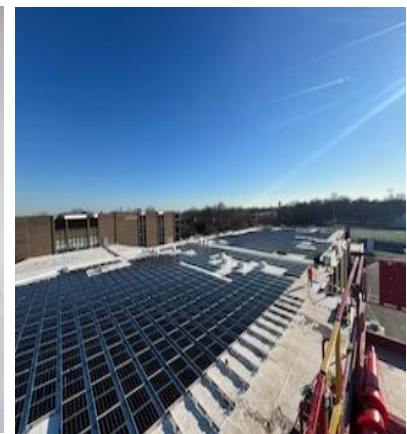
- Interior lighting complete.
- Exterior lighting Complete.
- Water Conservation Scope complete.
- Boiler controls complete.
- Piping Insulation complete.

Hempstead Energy Performance Contract Executive Briefing (Cont'd)

Marshall Elementary School:

- Interior lighting complete.
- Exterior lighting complete.
- Building Envelope/Weatherization complete.
- Water Conservation Scope complete.
- Piping insulation complete.
- Boiler controls complete.

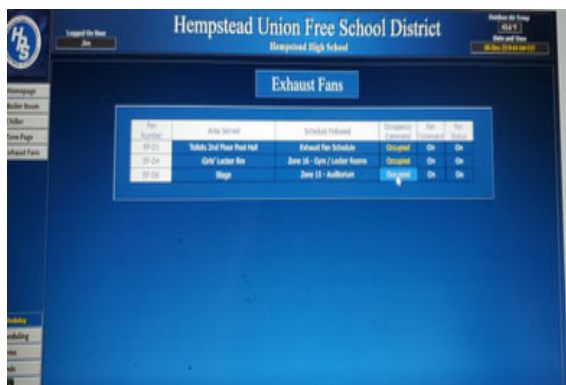
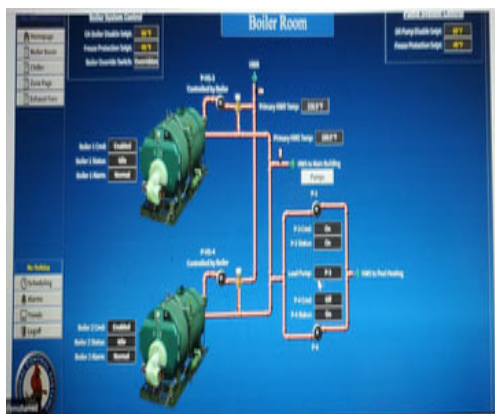
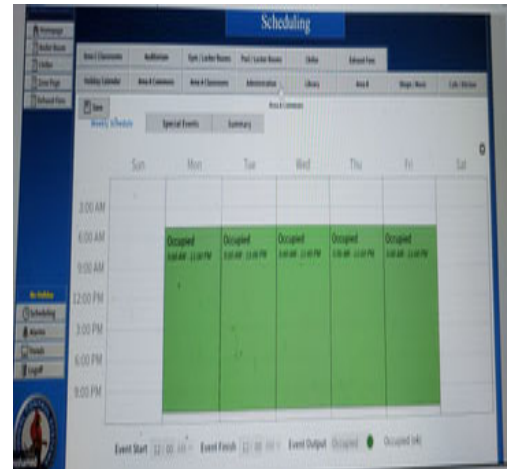
Continue of Install of Solar Panels (PV) at Hempstead High School



Continue of Install of Solar Panels (PV) at ABGS Middle School



BMS Interface Monitoring Software



OVERALL PROJECT INFORMATION

Master Schedule – ECM Matrix & Financial Status

Energy Conservation Measures (ECMs) Percentage Completion	ABGS Middle School	Barack Obama Elementary School	David Patterson Elementary School	Franklin Elementary School	Hempstead High School	Jackson Annex Elementary School	Jackson Main Elementary School	Marshall Elementary School
ECM #01 - Replace Interior Lighting	100%	100%	n/a	100%	100%	n/a	100%	100%
ECM #02 - Replace Exterior Lighting	100%	100%	100%	100%	100%	100%	100%	100%
ECM #03 - Install VFD on Chilled Water Pumps	n/a	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #04 - Install VFD on Hot Water Pumps	n/a	100%	n/a	n/a	n/a	n/a	n/a	n/a
ECM #06 - Replace Chillers	n/a	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #07 - Boiler Controls	n/a	n/a	n/a	n/a	n/a	100%	100%	100%
ECM #08 - Boiler Isolation Valve	n/a	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #09 - Replace Boiler with High Efficiency Replacement	n/a	97%	n/a	97%	n/a	n/a	n/a	n/a
ECM #09 - Replace Existing Steam Boiler with new steam boiler	97%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
ECM #11 - HVAC Control Upgrades	100%	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #12 - Building Envelope Upgrades	100%	100%	100%	100%	100%	n/a	n/a	100%
ECM #13 - Replace Steam Traps	100%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
ECM #14 - Install Solar PV	60%	n/a	n/a	n/a	97%	n/a	n/a	n/a
ECM #15 - Install Plug Load Controls	50%	n/a	n/a	n/a	50%	n/a	n/a	n/a
ECM #16 - Replace DHW Heater	n/a	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #17 - Piping Insulation	100%	100%	100%	100%	100%	100%	100%	100%
ECM #18 - Install Pool Cover	n/a	n/a	n/a	n/a	100%	n/a	n/a	n/a
ECM #19 - Water Conservation - Thermal Savings	100%	100%	100%	100%	100%	100%	100%	100%



OVERALL PROJECT INFORMATION

Master Schedule – ECM Matrix & Financial Status

Major Areas of Work Planned Completion:

- | | |
|--|--------------------------|
| ▪ Replace Domestic Hot Water Heater | 4 th Qtr 2022 |
| ▪ Boiler Controls | 1 st Qtr 2023 |
| ▪ Building Envelope Upgrades | 1 st Qtr 2023 |
| ▪ Interior and Exterior Lighting Replacement | 2 nd Qtr 2023 |
| ▪ Boiler Replacement | 3 rd Qtr 2023 |
| ▪ Installation of Solar PV Systems - Updated Schedule Reflects: | 1 st Qtr 2024 |
- *Final Install of PV anticipated for 1st Qtr 2024. Commissioning and PTO (Permission to operate) anticipated completion 1st Qtr 2024) ***

Below is a summary of the financial status with expenses up to payment application #15, October 30th 2023. ESG Pencil application #16 and #17 for the months of November and December have been both reviewed by ELITE and BBS with comments and sent back to ESG for preparation of those payment applications.

- | | |
|-------------------------|-----------------|
| ▪ Total Program Amount: | \$ 10,751,012 |
| ▪ Payments to Date: | \$ 9,060,322.19 |
| ▪ Pending Payments: | \$ N/A |
| ▪ Remaining Balance | \$ 1,690,689.82 |

***Note: Awaiting on payment applications #16 and #17 from ESG to be mailed for final processing.**



Excellence Ethics Responsibility

Local/ Minority/ Women Business Enterprise Program Implementation

Energy Systems Group's (ESG) Program Implementation:

ESG has been working with their subcontractors and Elite Construction of NY to examine areas for LMW business and workforce participation. The following information contains the proposed planned participation that has been discussed with the current vendors participating on the EPSC:

- Cardinal Controls: offer to connect a young community member (or members) with IBEW Local 25 and/or Plumbers Local 200. This is an opportunity to begin not just a job, but a true career in the electrical or plumbing industries.
- Boilermatic: retained the services of Unitech Services Group, a Minority Business Enterprise, to accomplish demolition work of mechanical equipment.
- Boilermatic: planned to purchase all equipment and materials utilizing the services of Y&C Specialty Products, a Minority Business Enterprise.
- Northeast Envelope: Resume provided to employ local worker to be involved in scope of contract.
- Elite Construction Company of NY: ESG has retained the services of a Local, Veteran and Minority Business Enterprise to provide construction management services.
- Sunrise Power Solutions: a certified Woman Business Enterprise, who's company leadership attended Hempstead Schools, has a minority Project Manager and a lead female African American foreman leading field operations.
- BeRetrofit: a certified Woman Business Enterprise; Resume provided to employ local worker to be involved in scope of contract.

Additional efforts for LMWBE Involvement:

- Elite Construction provided local MWBE pipe insulation company to ESG for possible work on the project.

**HEMPSTEAD UFSD
ENERGY PERFORMANCE CONTRACT**

Local/ Minority/ Women Business Enterprise Program Implementation

Additional efforts for LMWBE Involvement (continued):

- Qualifications for employment provided to Elite by Weatherization company.
- Elite reached out to multiple job placement agencies (ABBA, Social services, Hempstead Works...) and provided qualifications requesting resumes.
- A resume was provided back from social services, with qualifications that were required being met. ESG interviewed candidate and employment under review.
*UPDATE *Candidate was not selected.
- ESG was advised to provide all sub contractor requirements/qualifications as so ELITE could repeat the process to help with the overall effort of satisfying the MWBE effort and try to get local individuals hired and involved. More documentation providing prevailing wage labor rates is being supplied to job search company as requested.
- Elite has provided name of Jetex Mechanical, a Veteran and Minority Business Enterprise, for possible involvement with mechanical scope of work.
- Local Minority Resident from Uniondale was hired to work as an electrician for Cardinal Controls, the electrical controls subcontractor on the project.

If the district knows of community members that might be interested in participation of the workforce initiatives, please submit their information to Elite Construction Company of NY to be provided to Energy Systems Group for consideration.

Local/ Minority/ Women Business Enterprise Program Implementation

- The below matrix denotes the percentages of the total contract value that are allocated towards the contracts for the MBE/WBE which include some of the consultants, the general contractor as well as a few of the sub-contractors. The total allocation currently is at 45%. Continued efforts are ongoing to include local minority individuals and local minority companies in the project.

ECM	ECM Value	% Subcontracted to a Minority Contractor	MBE Value	WBE Value	Total M/WBE
ELITE Construction of New York	\$250,000	100%	\$250,000	\$0	MBE
BBS Architects	\$530,974	0%	\$0	\$0	
ESG PM/GC	\$537,551	15%	\$80,633	\$0	MBE*
ESG Engineering	\$537,551	30%	\$161,265	\$0	MBE*
Lighting	\$1,388,509	50%	\$0	\$694,255	WBE
Pump VFDs	\$6,874	25%	\$1,719	\$0	MBE
Chiller Replacement	\$1,800,769	0%	\$0	\$0	
Boiler Controls	\$29,997	0%	\$0	\$0	
Boiler Isolation Vales	\$31,247	0%	\$0	\$0	
Pool thermo Cover	\$8,394	0%	\$0	\$0	
Boiler Replacement	\$2,479,331	50%	\$1,239,665	\$0	MBE
HVAC Controls	\$183,313	0%	\$0	\$0	
Building Envelope	\$239,735	0%	\$0	\$0	
Steam Trap Replacement	\$75,297	0%	\$0	\$0	
PV Solar	\$2,403,104	100%	\$0	\$2,403,104	WBE
Plug Load Controls	\$10,565	0%	\$0	\$0	
Replave DHWs	\$31,247	25%	\$7,812	\$0	MBE
Pipe insulation	\$189,850	0%	\$0	\$0	
Water Conservation	\$16,706	0%	\$0	\$0	
Total	\$10,751,013	45%	\$1,741,094	\$3,097,359	\$4,838,452

MBE* - denotes a % of our project specific employee force