



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

September 2023

HEMPSTEAD UFSD

ENERGY PERFORMANCE CONTRACT

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Hempstead Energy Performance Contract Executive Briefing

Listed are a few of the key items that have taken place in the month of September 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 at 95% complete.
- Exterior lighting complete.
- HVAC Control upgrades at 90% complete.
- Pool Cover Install complete (liquid treatment)
- Water Conservation Scope complete.
- Solar Modules have been delivered to the site and are currently being stored on the roof of the High school. Will be installed once roof work complete.
- Boiler isolation valve at 70% complete.
- Replacement of DHWH complete.
- Piping insulation complete.
- Plug load controls on order.

ABGS Middle School:

- Interior lighting complete.
- Exterior lighting complete.
- Replacing steam boiler with new steam boiler at 95% complete.
- Building Envelope/Weatherization complete.
- HVAC control upgrades at 80% complete.

Hempstead Energy Performance Contract Executive Briefing (Cont'd)

- Demolition of second boiler will not be included in the scope for this contract. This scope will be included as a scope of work; possibly and add-alt for the upcoming ABGS Middle School extension project per the HUFSD.
- Water Conservation Scope complete.
- Solar Modules have been delivered to the site and are currently being stored on the roof of the Middle school. Will be installed once roof work complete.
- Piping Insulation at 90% complete.

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 at 95% 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 at 95% complete.
- Piping Insulation complete.

Jackson Annex Elementary School:

- Exterior lighting complete.
- Water Conservation Scope complete
- Boiler controls 95% complete
- Piping insulation complete.

Jackson Main Elementary School:

- Interior lighting complete.
- Exterior lighting Complete.
- Water Conservation Scope complete.
- Boiler controls at 95% complete.
- Piping Insulation complete.

Hempstead Energy Performance Contract Executive Briefing (Cont'd)

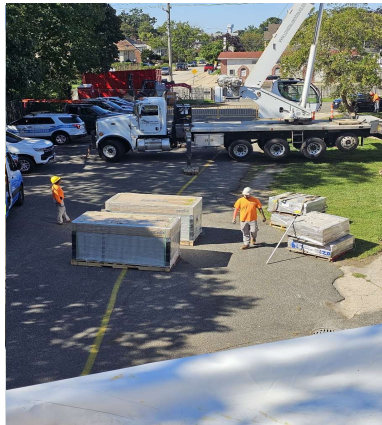
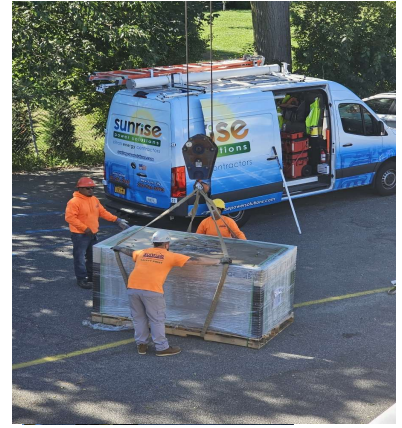
Marshall Elementary School:

- Interior lighting complete.
- Exterior lighting complete.
- Building Envelope/Weatherization complete.
- Water Conservation Scope complete.
- Piping insulation complete.
- Boiler controls at 95% complete.

Continue of Install of New High Steam Boiler at ABGS Middle School



Relocating and Staging Solar Panels (PV) on ABGS Middle School Roof in Preparation for Install



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%	95%	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	95%	95%	95%
ECM #08 - Boiler Isolation Valve	n/a	n/a	n/a	n/a	70%	n/a	n/a	n/a
ECM #09 - Replace Boiler with High Efficiency Replacement	n/a	95%	n/a	95%	n/a	n/a	n/a	n/a
ECM #09 - Replace Existing Steam Boiler with new steam boiler	95%	n/a	n/a	n/a	n/a	n/a	n/a	n/a
ECM #11 - HVAC Control Upgrades	80%	n/a	n/a	n/a	90%	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	35%	n/a	n/a	n/a	40%	n/a	n/a	n/a
ECM #15 - Install Plug Load Controls	20%	n/a	n/a	n/a	20%	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	90%	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: | 4 th Qtr 2023 |
- *Final Install of PV anticipated for 4th Qtr 2023. Commissioning and PTO (Permission to operate) anticipated completion 1st Qtr 2024) ***

Below is a summary of the financial status with expenses up to August 31st 2023 (pencil #13). ESG Pencil Application #12 for July 2023 was submitted for review and comments have been provided back to ESG to prepare final documents for processing. ESG pencil application #13 for August 2023 was submitted for review and comments have been provided back to ESG to prepare final documents for processing. Below figures are for pencil #13

- | | |
|-------------------------|-----------------|
| ▪ Total Program Amount: | \$ 10,751,012 |
| ▪ Payments to Date: | \$ 8,727,377.05 |
| ▪ Pending Payments: | \$ 779,639.48 |
| ▪ Remaining Balance | \$ 2,023,634.96 |

*** The figures displayed above are contingent on the review acceptance of ESG payment application #12 and #13 ***



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.

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Excellence Ethics Responsibility

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.

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ENERGY PERFORMANCE CONTRACT**

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