



September 25, 2023


Oz Hill, Deputy Chief Operating Officer
 The School District of Philadelphia
 440 N. Board Street
 Philadelphia, PA 19130

RE: Monthly Status Report – Guaranteed Energy Savings Act (GESA) Projects

Dear Mr. Hill,

Please find below a status report for each of the GESA projects completed or underway at the School District as of September 25, 2023.

Project	Buildings	Status/Project Highlights
GESA-Pilot (ESCO – NORESKO)	1. Saul HS 2. Strawberry Mansion 3. Northeast HS	- Construction completed: June 24 th , 2020 - Year 1 M&V: July 1, 2020 – June 30, 2021 Exceeded guarantee by 4.55% - Year 2 M&V: July 1, 2021 – June 30, 2022 Year 2 report due Sep 2022 (delayed, expected by end of October) - Year 3 M&V: July 1, 2022 – June 30, 2023 In Progress
GESA-1, Task 1 (ESCO – Johnson Controls)	1. Conwell 2. Gompers 3. Lincoln HS	- Construction substantially complete: Final closeout March 2022 - Year 1 M&V – April 1, 2022 – March 1, 2023 (Currently in Monitoring Phase for Year 1) Year 1 report received in September 2023
GESA-1, Task 2 (ESCO – Johnson Controls)	1. Willard 2. Carnell 3. Feltonville A&S 4. Juniata Park	- Construction substantially complete: Final closeout February 2023 - Year 1 M&V – March 1, 2023 – February 1, 2024 (Currently in Monitoring Phase for Year 1) Year 1 report due May 1, 2024
GESA-1, Task 3 (ESCO – Johnson Controls)	1. Lowell	- In construction, 98% complete - LED Lighting and Domestic Hot Water Upgrades are complete. - Electrical Service Upgrades 95% complete. - AHU, FCU’s, CH’s, Louvers, and Hose Kits are 100% complete.

		<ul style="list-style-type: none"> - HVAC installation for the basement, 1st floor, 2nd floor, and 3rd floor are all 100% complete. - Boilers, Pumps & Mechanical Room equipment is complete. - Building Automation is 93% complete.
		
<p>GESA-1, Task 4 (ESCO – Johnson Controls)</p>	<p>1. Fitzpatrick</p>	<ul style="list-style-type: none"> - Pricing and scope have been finalized. - Total Project Cost – \$19.55 million - Scope includes a steam to hot water conversion, installation of a central chiller, upgrade of electrical systems, new controls, LED lighting, and water efficiency improvements. - Contract pending internal SDP review process and acceptance prior to BOE approval. - Targeting November BOE meeting for contract approval.
<p>GESA-1, Task 5 (ESCO – Johnson Controls)</p>	<p>1. Randolph 2. Crossan 3. Taggart</p>	<ul style="list-style-type: none"> - Pending contract execution of Task 4 and District approval to begin CEA development
<p>GESA-2 (ESCO – The Efficiency Network)</p>	<p>1. Bethune 2. Beeber 3. Brown</p>	<ul style="list-style-type: none"> - Beeber: 96% complete. AHU/UV/FCU/UH installation 99% complete, Sheet Metal installation 99% complete, Mechanical Insulation 99% complete, Chiller Installation is complete. - Bethune: 95% complete. Commissioning and Training are complete. CUH installation (added to scope via customer-controlled contingency) is 60% complete. - Brown: 98% complete. EMS Controls is complete, Chiller Installation is complete, Commissioning 95% complete, Testing & Balancing 90% complete. - Substantial completion now expected for October 2023 due to equipment delays.



GESA-3
(ESCO – NORESKO)

1. Locke
2. Grover Washington
3. Franklin
4. Heston
5. Hackett
6. Clemente
7. Ellwood
8. Kirkbride

- **Locke:** Overall 28% complete. HVAC demolition 70% complete, Boiler Replacement 43% complete, AHU/RTU replacement 23% complete, Exhaust Fan Replacement 10% complete, DDC EMS Installation 15% complete.

- **Grover Washington:** Overall 28% complete. HVAC demolition 60% complete, Boiler Replacement 20% complete, New Feeders and Disconnects 9% complete, Pump Installation 20% complete, Cooling Tower Replacement 26% complete, CUH/UH Replacement 20% complete, DDC EMS Installation 10% complete.

- **Franklin:** Overall 28% complete. HVAC demolition 50% complete, Boiler Replacement 20% complete, Chiller Installation 5% complete, Pipe Replacement 17% complete, UV Replacement 14% complete, DDC EMS Installation 15% complete.

- **Heston:** Overall 28% complete. HVAC demolition 46% complete, Boiler Replacement 13% complete, Pump Installation 10% complete, AHU Replacement 5% complete, UV Replacement 14% complete, Cooling Tower Replacement 10% complete, DDC EMS Installation 25% complete.

- **Hackett:** Overall 28% complete. HVAC demolition 52% complete, Boiler Replacement 28% complete, Chiller Installation 9% complete, UV Replacement 32% complete, AHU replacement 15% complete, DDC EMS Installation 15% complete.

- **Clemente:** Overall 28% complete. HVAC Demolition 36% complete, Boiler Replacement 21% complete, UV Installation 14% complete, Pump Replacement 18% complete, DDC EMS Installation 17% complete.

- **Ellwood:** Overall 56% complete. HVAC demolition 60% complete, Boiler Replacement 41% complete, Chiller Installation 20% complete, UH/CUH Replacement 10% complete, New Pumps 20% complete, UV Installation 21% complete, DDC EMS Installation 23% complete.

- **Kirkbride:** Overall 28% complete. HVAC demolition 72% complete, Boiler Replacement 27% complete, Electrical Service Upgrade 8% complete, UH/CUH Replacement 24% complete, AHU Replacement 7% complete, DDC EMS Installation 21% complete.
- Substantial Completion on track for September 2024 to comply with ARPA funding deadlines.



Please let me know if I can provide you with any additional information at this time.

Sincerely,



David Newman, PE, CEM, LEED-AP
Vice President, Engineering
Energia



August 15, 2023


Oz Hill, Deputy Chief Operating Officer
 The School District of Philadelphia
 440 N. Board Street
 Philadelphia, PA 19130

RE: Monthly Status Report – Guaranteed Energy Savings Act (GESA) Projects

Dear Mr. Hill,

Please find below a status report for each of the GESA projects completed or underway at the School District as of August 15, 2023.

Project	Buildings	Status/Project Highlights
GESA-Pilot (ESCO – NORESKO)	1. Saul HS 2. Strawberry Mansion 3. Northeast HS	<ul style="list-style-type: none"> - Construction completed: June 24th, 2020 - Year 1 M&V: July 1, 2020 – June 30, 2021 Exceeded guarantee by 4.55% - Year 2 M&V: July 1, 2021 – June 30, 2022 Year 2 report due Sep 2022 (delayed, expected by end of August) - Year 3 M&V: July 1, 2022 – June 30, 2023 In Progress
GESA-1, Task 1 (ESCO – Johnson Controls)	1. Conwell 2. Gompers 3. Lincoln HS	<ul style="list-style-type: none"> - Construction substantially complete: Final closeout March 2022 - Year 1 M&V – April 1, 2022 – March 1, 2023 (Currently in Monitoring Phase for Year 1) Year 1 report due July 2023
GESA-1, Task 2 (ESCO – Johnson Controls)	1. Willard 2. Carnell 3. Feltonville A&S 4. Juniata Park	<ul style="list-style-type: none"> - Construction substantially complete: Final closeout February 2023 - Year 1 M&V – March 1, 2023 – February 1, 2024 (Currently in Monitoring Phase for Year 1) Year 1 report due May 1, 2024
GESA-1, Task 3 (ESCO – Johnson Controls)	1. Lowell	<ul style="list-style-type: none"> - In construction, 96% complete - LED Lighting and Domestic Hot Water Upgrades are complete. - Electrical Service Upgrades 95% complete. - AHU, FCU’s, CH’s, Louvers, and Hose Kits 97% complete.

		<ul style="list-style-type: none"> - HVAC installation for the basement, 1st floor, 2nd floor, and 3rd floor are 100%, 100%, 98%, and 98% complete, respectively. - Boilers, Pumps & Mechanical Room equipment is complete.
		
<p>GESA-1, Task 4 (ESCO – Johnson Controls)</p>	<p>1. Fitzpatrick</p>	<ul style="list-style-type: none"> - Pricing and scope have been finalized. - Total Project Cost – \$19.55 million - Scope includes a steam to hot water conversion, installation of a central chiller, upgrade of electrical systems, new controls, LED lighting, and water efficiency improvements. - Contract pending internal SDP review process and acceptance prior to BOE approval. - BOE approval date TBD.
<p>GESA-1, Task 5 (ESCO – Johnson Controls)</p>	<p>1. Randolph 2. Crossan 3. Taggart</p>	<ul style="list-style-type: none"> - Pending contract execution of Task 4 and District approval to begin CEA development
<p>GESA-2 (ESCO – The Efficiency Network)</p>	<p>1. Bethune 2. Beeber 3. Brown</p>	<ul style="list-style-type: none"> - Beeber: 96% complete. AHU/UV/FCU/UH installation 99% complete, Sheet Metal installation 99% complete, Mechanical Insulation 99% complete, Chiller Installation is complete. - Bethune: 95% complete. Commissioning and Training are complete. CUH installation (added to scope via customer-controlled contingency) is 60% complete. - Brown: 98% complete. EMS Controls is complete, Chiller Installation is complete, Commissioning 95% complete, Testing & Balancing 90% complete. - Substantial completion now expected for August 2023 due to equipment delays.



GESA-3
(ESCO – NORESKO)

1. Locke
2. Grover Washington
3. Franklin
4. Heston
5. Hackett
6. Clemente
7. Ellwood
8. Kirkbride

- **Locke:** Overall 23% complete. HVAC demolition 70% complete, Boiler Replacement 25% complete, AHU/RTU replacement 7% complete, Pipe Replacement 28% complete, DDC EMS Installation 8% complete.

- **Grover Washington:** Overall 23% complete. HVAC demolition 55% complete, Boiler Replacement 14% complete, New Feeders and Disconnects 4% complete, Pump Installation 11% complete, DDC EMS Installation 5% complete.

- **Franklin:** Overall 23% complete. HVAC demolition 56% complete, Boiler Replacement 16% complete, Chiller Installation 5% complete, Pipe Replacement 12% complete, DDC EMS Installation 5% complete.

- **Heston:** Overall 23% complete. HVAC demolition 46% complete, Boiler Replacement 10% complete, Pump Installation 5% complete, AHU Replacement 5% complete, UV Replacement 12% complete, DDC EMS Installation 10% complete.

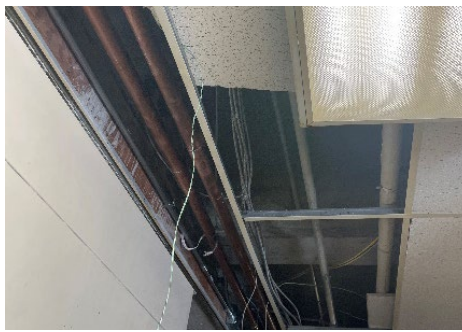
- **Hackett:** Overall 23% complete. HVAC demolition 52% complete, Boiler Replacement 28% complete, Chiller Installation 9% complete, UV Replacement 25% complete, AHU replacement 15% complete, DDC EMS Installation 4% complete.

- **Clemente:** Overall 23% complete. HVAC Demolition 28% complete, Boiler Replacement 14% complete, UV Installation 2% complete, Pump Replacement 5% complete, DDC EMS Installation 13% complete.

- **Ellwood:** Overall 23% complete. HVAC demolition 60% complete, Boiler Replacement 40% complete, Chiller Installation 20% complete, UH/CUH Replacement 4% complete, New Pumps 10% complete, UV Installation 9% complete, DDC EMS Installation 10% complete.

- **Kirkbride:** Overall 23% complete. HVAC demolition 59% complete, Boiler Replacement 27% complete, Electrical Service Upgrade 5% complete,

DDC EMS Installation 10% complete.
- Substantial Completion on track for September 2024
to comply with ARPA funding deadlines.



Please let me know if I can provide you with any additional information at this time.

Sincerely,

David Newman, PE

David Newman, PE, CEM, LEED-AP
Vice President, Engineering
Energia



August 15, 2023


Oz Hill, Deputy Chief Operating Officer
 The School District of Philadelphia
 440 N. Board Street
 Philadelphia, PA 19130

RE: Monthly Status Report – Guaranteed Energy Savings Act (GESA) Projects

Dear Mr. Hill,

Please find below a status report for each of the GESA projects completed or underway at the School District as of August 15, 2023.

Project	Buildings	Status/Project Highlights
GESA-Pilot (ESCO – NORESKO)	1. Saul HS 2. Strawberry Mansion 3. Northeast HS	<ul style="list-style-type: none"> - Construction completed: June 24th, 2020 - Year 1 M&V: July 1, 2020 – June 30, 2021 Exceeded guarantee by 4.55% - Year 2 M&V: July 1, 2021 – June 30, 2022 Year 2 report due Sep 2022 (delayed, expected by end of August) - Year 3 M&V: July 1, 2022 – June 30, 2023 In Progress
GESA-1, Task 1 (ESCO – Johnson Controls)	1. Conwell 2. Gompers 3. Lincoln HS	<ul style="list-style-type: none"> - Construction substantially complete: Final closeout March 2022 - Year 1 M&V – April 1, 2022 – March 1, 2023 (Currently in Monitoring Phase for Year 1) Year 1 report due July 2023
GESA-1, Task 2 (ESCO – Johnson Controls)	1. Willard 2. Carnell 3. Feltonville A&S 4. Juniata Park	<ul style="list-style-type: none"> - Construction substantially complete: Final closeout February 2023 - Year 1 M&V – March 1, 2023 – February 1, 2024 (Currently in Monitoring Phase for Year 1) Year 1 report due May 1, 2024
GESA-1, Task 3 (ESCO – Johnson Controls)	1. Lowell	<ul style="list-style-type: none"> - In construction, 96% complete - LED Lighting and Domestic Hot Water Upgrades are complete. - Electrical Service Upgrades 95% complete. - AHU, FCU’s, CH’s, Louvers, and Hose Kits 97% complete.

		<ul style="list-style-type: none"> - HVAC installation for the basement, 1st floor, 2nd floor, and 3rd floor are 100%, 100%, 98%, and 98% complete, respectively. - Boilers, Pumps & Mechanical Room equipment is complete.
		
<p>GESA-1, Task 4 (ESCO – Johnson Controls)</p>	<p>1. Fitzpatrick</p>	<ul style="list-style-type: none"> - Pricing and scope have been finalized. - Total Project Cost – \$19.55 million - Scope includes a steam to hot water conversion, installation of a central chiller, upgrade of electrical systems, new controls, LED lighting, and water efficiency improvements. - Contract pending internal SDP review process and acceptance prior to BOE approval. - BOE approval date TBD.
<p>GESA-1, Task 5 (ESCO – Johnson Controls)</p>	<p>1. Randolph 2. Crossan 3. Taggart</p>	<ul style="list-style-type: none"> - Pending contract execution of Task 4 and District approval to begin CEA development
<p>GESA-2 (ESCO – The Efficiency Network)</p>	<p>1. Bethune 2. Beeber 3. Brown</p>	<ul style="list-style-type: none"> - Beeber: 96% complete. AHU/UV/FCU/UH installation 99% complete, Sheet Metal installation 99% complete, Mechanical Insulation 99% complete, Chiller Installation is complete. - Bethune: 95% complete. Commissioning and Training are complete. CUH installation (added to scope via customer-controlled contingency) is 60% complete. - Brown: 98% complete. EMS Controls is complete, Chiller Installation is complete, Commissioning 95% complete, Testing & Balancing 90% complete. - Substantial completion now expected for August 2023 due to equipment delays.



GESA-3
(ESCO – NORESKO)

1. Locke
2. Grover Washington
3. Franklin
4. Heston
5. Hackett
6. Clemente
7. Ellwood
8. Kirkbride

- **Locke:** Overall 23% complete. HVAC demolition 70% complete, Boiler Replacement 25% complete, AHU/RTU replacement 7% complete, Pipe Replacement 28% complete, DDC EMS Installation 8% complete.

- **Grover Washington:** Overall 23% complete. HVAC demolition 55% complete, Boiler Replacement 14% complete, New Feeders and Disconnects 4% complete, Pump Installation 11% complete, DDC EMS Installation 5% complete.

- **Franklin:** Overall 23% complete. HVAC demolition 56% complete, Boiler Replacement 16% complete, Chiller Installation 5% complete, Pipe Replacement 12% complete, DDC EMS Installation 5% complete.

- **Heston:** Overall 23% complete. HVAC demolition 46% complete, Boiler Replacement 10% complete, Pump Installation 5% complete, AHU Replacement 5% complete, UV Replacement 12% complete, DDC EMS Installation 10% complete.

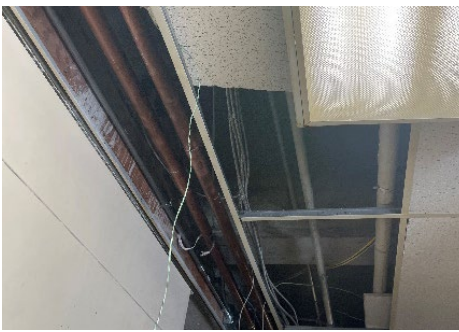
- **Hackett:** Overall 23% complete. HVAC demolition 52% complete, Boiler Replacement 28% complete, Chiller Installation 9% complete, UV Replacement 25% complete, AHU replacement 15% complete, DDC EMS Installation 4% complete.

- **Clemente:** Overall 23% complete. HVAC Demolition 28% complete, Boiler Replacement 14% complete, UV Installation 2% complete, Pump Replacement 5% complete, DDC EMS Installation 13% complete.

- **Ellwood:** Overall 23% complete. HVAC demolition 60% complete, Boiler Replacement 40% complete, Chiller Installation 20% complete, UH/CUH Replacement 4% complete, New Pumps 10% complete, UV Installation 9% complete, DDC EMS Installation 10% complete.

- **Kirkbride:** Overall 23% complete. HVAC demolition 59% complete, Boiler Replacement 27% complete, Electrical Service Upgrade 5% complete,

DDC EMS Installation 10% complete.
- Substantial Completion on track for September 2024
to comply with ARPA funding deadlines.



Please let me know if I can provide you with any additional information at this time.

Sincerely,



David Newman, PE, CEM, LEED-AP
Vice President, Engineering
Energia



July 7th, 2023


Oz Hill, Deputy Chief Operating Officer
 The School District of Philadelphia
 440 N. Board Street
 Philadelphia, PA 19130

RE: Monthly Status Report – Guaranteed Energy Savings Act (GESA) Projects

Dear Mr. Hill,

Please find below a status report for each of the GESA projects completed or underway at the School District as of July 7th, 2023.

Project	Buildings	Status/Project Highlights
GESA-Pilot (ESCO – NORESKO)	1. Saul HS 2. Strawberry Mansion 3. Northeast HS	- Construction completed: June 24 th , 2020 - Year 1 M&V: July 1, 2020 – June 30, 2021 Exceeded guarantee by 4.55% - Year 2 M&V: July 1, 2021 – June 30, 2022 Year 2 report due Sep 2022 (delayed due to pending payment) - Year 3 M&V: July 1, 2022 – June 30, 2023 In Progress
GESA-1, Task 1 (ESCO – Johnson Controls)	1. Conwell 2. Gompers 3. Lincoln HS	- Construction substantially complete: Final closeout March 2022 - Year 1 M&V – April 1, 2022 – March 1, 2023 (Currently in Monitoring Phase for Year 1) Year 1 report due July 2023
GESA-1, Task 2 (ESCO – Johnson Controls)	1. Willard 2. Carnell 3. Feltonville A&S 4. Juniata Park	- Construction substantially complete: Final closeout February 2023 - Year 1 M&V – March 1, 2023 – February 1, 2024 (Currently in Monitoring Phase for Year 1) Year 1 report due May 1, 2024
GESA-1, Task 3 (ESCO – Johnson Controls)	1. Lowell	- In construction, 92% complete - LED Lighting and Domestic Hot Water Upgrades are complete. - Electrical Service Upgrades 95% complete - AHU, FCU’s, CH’s, Louvers, and Hose Kits 95% complete

		<ul style="list-style-type: none"> - HVAC installation for the basement, 1st floor, 2nd floor, and 3rd floor are 100%, 100%, 95%, and 95% complete, respectively. - Boilers, Pumps & Mechanical Room equipment 97% complete
		
<p>GESA-1, Task 4 (ESCO – Johnson Controls)</p>	<p>1. Fitzpatrick</p>	<ul style="list-style-type: none"> - Pricing and scope have been finalized - Total Project Cost – \$19.55 million - Scope includes a steam to hot water conversion, installation of a central chiller, upgrade of electrical systems, new controls, LED lighting, and water efficiency improvements. - Contract pending internal SDP review process and acceptance prior to BOE approval. - BOE approval date TBD.
<p>GESA-1, Task 5 (ESCO – Johnson Controls)</p>	<p>1. Randolph 2. Crossan 3. Taggart</p>	<ul style="list-style-type: none"> - Pending contract execution of Task 4 and District approval to begin CEA development
<p>GESA-2 (ESCO – The Efficiency Network)</p>	<p>1. Bethune 2. Beeber 3. Brown</p>	<ul style="list-style-type: none"> - Project nearing completion with the following items remaining: - Beeber: 95% complete. AHU/UV/FCU/UH installation 99% complete, Sheet Metal installation 97% complete, Mechanical Insulation 99% complete, Chiller Installation 99% complete. - Bethune: 99% complete. - Brown: 96% complete. EMS Controls 99% complete, Chiller Installation 98% complete, Commissioning 95% complete, Testing & Balancing 90% complete. - Substantial completion now expected for July 2023 due to equipment delays.



GESA-3
(ESCO – NORESKO)

1. Locke
2. Grover Washington
3. Franklin
4. Heston
5. Hackett
6. Clemente
7. Ellwood
8. Kirkbride

- **Locke:** Overall 22% complete. HVAC demolition 70% complete, Boiler Replacement 25% complete, AHU/RTU replacement 4% complete, Pipe Replacement 28% complete.

- **Grover Washington:** Overall 22% complete. HVAC demolition 55% complete, Boiler Replacement 14% complete, New Feeders and Disconnects 2% complete.

- **Franklin:** Overall 22% complete. HVAC demolition 40% complete, Boiler Replacement 5% complete, Chiller Installation 5% complete, Pipe Replacement 10% complete.

- **Heston:** Overall 22% complete. HVAC demolition 46% complete, Boiler Replacement 10% complete, Pump Installation 5% complete, AHU Replacement 5% complete, UV Replacement 9% complete.

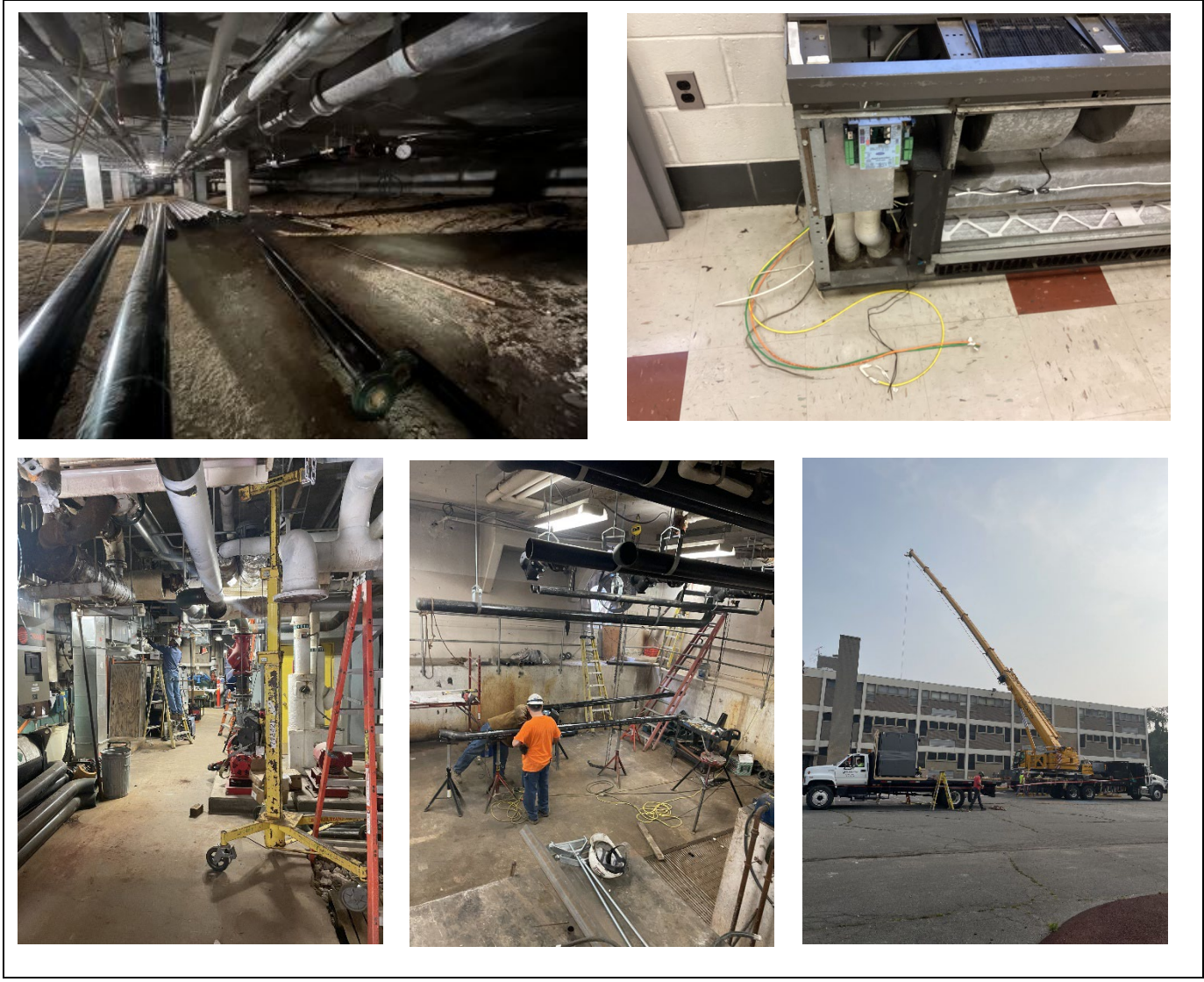
- **Hackett:** Overall 22% complete. HVAC demolition 52% complete, Boiler Replacement 28% complete, Chiller Installation 9% complete, New UVs 13% complete, AHU replacement 15% complete.

- **Clemente:** Overall 22% complete. HVAC Demolition 26% complete, Boiler Replacement 12% complete, UV Installation 2% complete, Pump Replacement 5% complete.

- **Ellwood:** Overall 22% complete. HVAC demolition 60% complete, Boiler Replacement 40% complete, Chiller Installation 20% complete, UH/CUH Replacement 4% complete, New Pumps 10% complete.

- **Kirkbride:** Overall 22% complete. HVAC demolition 59% complete, Boiler Replacement 27% complete.

- Substantial Completion on track for September 2024 to comply with ARPA funding deadlines.



Please let me know if I can provide you with any additional information at this time.

Sincerely,



David Newman, PE, CEM, LEED-AP
Vice President, Engineering
Energia