



Council Rock School District Facilities Committee Items

September 17, 2020

I. Energy Management Update

- a. Demand Response Event
- b. Energy Performance Report
- c. Energy Management Initiatives



II. Security Update

- a. Training, Equipment and Projects

III. Facilities Improvements Projects Update

- a. Rolling Hills Elementary School Additions and Renovations
- b. New Council Rock STAR Center Project
- c. Walt Snyder Stadium Athletics Improvements/Maintenance

FACILITIES COMMITTEE MEETING AGENDA



III. Facilities Improvements Projects Update (continued)

- d. Hillcrest Elementary School Additions and Renovations
- e. Richboro Elementary School Additions and Renovations
- f. Capital Improvements Projects
- g. Bid Decision and Timing Considerations for:
 - i. Sol Feinstone Elementary School Additions and Renovations Project
 - ii. Hillcrest Elementary School Additions and Renovations Project
 - iii. Richboro Elementary School Additions and Renovations Project
 - iv. CRHS South Synthetic Turf Field Project
 - v. CRHS South Tennis/Basketball Court Replacement Project
- h. Chancellor Center Paint Remediation Project

IV. Miscellaneous Agenda Items

- a. Environmental Due Diligence Investigations-Reporting
- b. Air Filter Supply Bid No. 20-25
- c. ABM Custodial Onboarding Update



V. Board Agenda Items

VI. Upcoming Meetings/Topics



ENERGY MANAGEMENT UPDATE



Energy Management Update



Demand Response Program

- **enel x Demand Response Program**
 - Performance test occurred 18AUG20 3:00pm – 4:00pm
 - Performance will establish payment from enel x
 - Schools include: MMWES, CES, NES, CRHS N & S, RHES
 - **Payment: \$7,263.60**
 - As a result of the **enel x** DR curtailment, CRSD increases power on the grid for residential homeowners. The transmission of power is managed by **PJM International** (Regional Transmission Organization - RTO) that coordinates the movement of wholesale electricity in or parts of Delaware, Illinois, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia. Our electrical purchase are managed by **Amerex Energy Services**

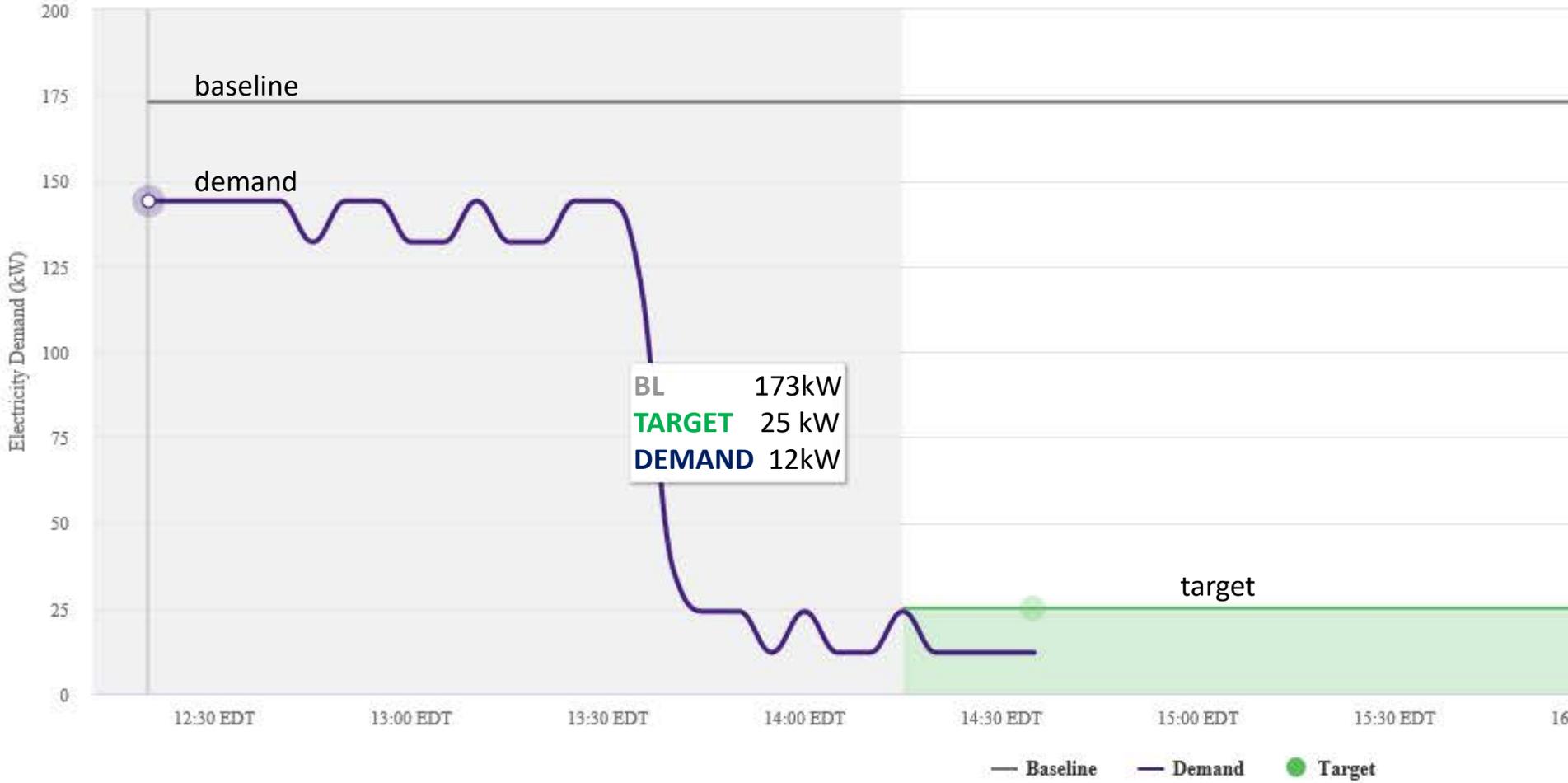


Energy Management Update



Demand Response Program

Churchville Elementary School



Energy Management Update



Aramark Monthly Energy Reporting

April 2020

Council Rock School District

Notes:

1. RHES removed through Nov
2. Former RMS excluded

April 2020 District Performance Overview:

Baseline ENERGY STAR Score	19
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Current ENERGY STAR Score	67
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Baseline Energy Use Intensity (kBtu/GSF)	38
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Current Energy Use Intensity (kBtu/GSF)	59
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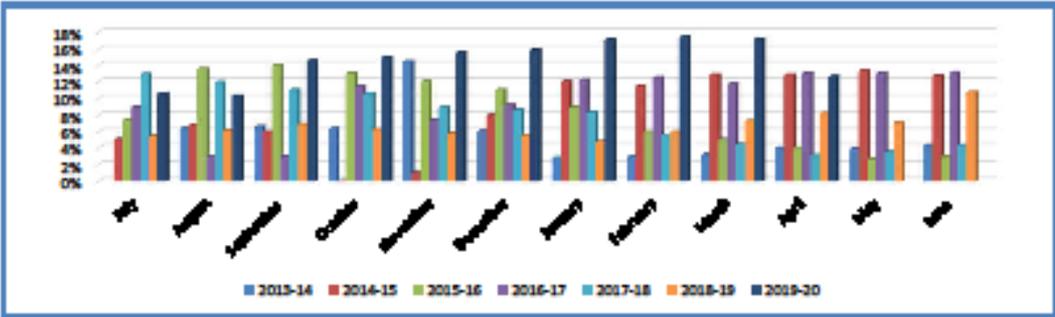
Current District Averages:

Current Total Cost per Gross Square Foot (\$/GSF)

\$0.92 ←

Current Total Adjusted Consumption Increase from Baseline Year (weather adjusted)

12.6%

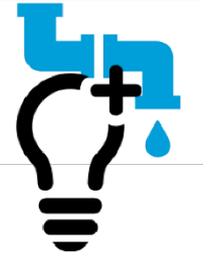


Notes: 1 - Current performance is a 12 month total ending with the month listed for the report. Energy Use Index is based on actual utility consumption. Percent Reduction is based on weather normalized consumption to eliminate unknowns due to weather. 2 - Baseline information is based on data from Fiscal Year (FY) 2010. With the exception of Holland EL, Goodhoe EL, and Churchville EL. Whose baselines have been reset to FY 2015. Sol Feinstone EL's baseline has been updated to the 12 month period ending August 2015. Holland and Newtown Middle School have a baseline period ending August 2019. 4 - Wrightstown Elementary School will be added back to the performance with a baseline period ending 1/31/2020. This will

Energy Management Update

Other Energy Initiatives

- **ABM Industries – Energy Team**



- **Engaged to perform a No Cost Energy Performance Review**

- **CRSD has a solid energy management plan in place:**

- Board policies to help manage set-points and other energy savings practices
- Monthly reporting to evaluate performance and to identify possible issues (Aramark Energy)
- Demand Response program (enel x)
- Power Conditioning – power factor, harmonics and surge (Powergy)
- LEED Three (3) Gold Certified Buildings with two (2) more in progress
- CRSD Green Team to review opportunities and to promote energy savings
- Total Cost per Gross Square Foot (\$/GSF) averages ~ \$0.90

- **Opportunities for additional savings?**

- Shared 1-year utility bills including power, gas, water/sewer
- Schedule building surveys of potential candidates identified through utility bill review
- Review water conservation opportunities
- Report on findings and potential projects with ROI in mind

SECURITY UPDATE



Security Update



Security – Training, Equipment and Operations Update

- **Training**

- ✓ **PA Act 67 School Security Guard Training**

- 40 hour course by National Assoc. of School Resource Officers (NASRO)
- 6 of 8 staff members have been trained (July 2020)
- Remaining 2 staff members will be trained in September 2020

- **Equipment**

- ✓ **Procuring pricing for camera upgrades at Chancellor Center**

- **Projects**

- ✓ **New security installations at Rolling Hills Elementary School (Cameras are Owner provided and Contractor installed)**
- ✓ **CRHS North elevators were upgraded with door sensors, cameras and key fob access**
- ✓ **Cameras were installed in all stairwells at CRHS North and South**



FACILITIES IMPROVEMENTS PROJECTS UPDATE



Facilities Improvements Projects Update



RHES, CR STAR Center, CRHSN Walt Snyder Stadium, HCES & RES – Construction Update

- Rolling Hills Elementary School Additions and Renovations:**

- ✓ Substantial Completion Date: **17SEP20**
- ✓ Final Completion Date: **01OCT20**
- ✓ Move Date: **November 2020**



- New Council Rock STAR Center Project:**

- ✓ Start Date: **07JUL20**
- ✓ Final Completion Date: **31AUG21**



- CRHSN Walt Snyder Stadium Athletic Field Improvements:**

- ✓ Substantial Completion Date: **15AUG20**
- ✓ Final Completion Date: **31AUG20**



- Hillcrest Elementary School Additions and Renovations:**

- ✓ Bid Date: **15JAN21**
- ✓ Final Completion Date: **29JUL22**



- Richboro Elementary School Additions and Renovations:**

- ✓ Bid Date: **11NOV21**
- ✓ Final Completion Date: **29JUL23**





Facilities Improvements Projects Update

RHES, CR STAR Center, CRHSN Walt Snyder Stadium, HCES & RES – Construction Update

Rolling Hills Elementary School Additions and Renovations – Occupancy Plan

ACTIVITY	START DATE	FINISH DATE	COMMENTS
Substantial Completion	-----	17SEP20	Project On Schedule
Final Completion	-----	01OCT20	Project On Schedule
Punch List Management	01OCT20	31OCT20	
PEMCO Furniture Delivery	05OCT20	09OCT20	PEMCO Delivery and Set-up
Solicit Proposals for Moving Services	01OCT20	05NOV20	Board Approval
Moving Services (LSAC and RHES)	23NOV20	27NOV20	Excludes Thanksgiving Day
Organize CR's, IT Equipment Set-up	30NOV20	30NOV20	
Students Occupy RHES and LSAC at RMS	01DEC20	-----	Ready for 2020-21
LSAC Students from RMS to CR STAR Ctr.	--JUL21	--AUG21	Ready for 2021-22



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Library



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Classroom



Facilities Improvements Projects Update



RHES Additions and Renovations – Progress Photos: Dividable Teaching Space



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Dividable Teaching Space



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Corridor



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Gymnasium



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: New Hard Play Area/Solar Array



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: New Entry and Canopy



Facilities Improvements Projects Update

RHES Additions and Renovations – Progress Photos: Aerial Photo from Entry



Facilities Improvements Projects Update



RHES Additions and Renovations – Progress Photos: Aerial Photo from Old Jordan Rd.



Facilities Improvements Projects Update

Council Rock STAR Center – Progress Photos: Preconstruction Photo



Facilities Improvements Projects Update

Council Rock STAR Center – Progress Photos: Stripping Topsoil-Site Preparation



Facilities Improvements Projects Update



CRHSN Walt Snyder Stadium Athletic Field Improvements – Progress Photos: XXXXX



Facilities Improvements Projects Update



CRHSN Walt Snyder Stadium Athletic Field Improvements – Progress Photos: Scoreboard



HILLCREST and RICHBORO ES 100% DD PHASE



Facilities Improvements Projects Update

Hillcrest and Richboro Additions and Renovations Projects – 100% Design Development

100% Design Development Update:

- SchraderGroup Architects, LLC - 100% Design Development Phase
- SchraderGroup Architects, LLC progressing to Construction Documents Phase
- Approvals Phase in progress (Township, NPDES, BCPC, NBCMA, etc,)
- LEED Design Meetings including CRSD, DEI, SGA, Stone House Group and Revision
- Alternative and Clean Energy Grant paperwork has been processed (~\$820k each)
- **Approvals of PlanCon Parts D and E as follows (01OCT20 Board Agenda item):**
--- No Act 34 Hearing Required --- Not Eligible for Reimbursement (Moratorium)

PlanCon Part D – Project Accounting Based on Estimates

- ✓ Various tests of a Districts financial ability to make payments are performed.
- ✓ Addresses requirement for Act 34 Hearing
- ✓ Provides estimate of state reimbursement

PlanCon Part E – Design Development

- ✓ Normally a conference to review architectural aspects of project with representative from PDE. Due to moratorium this process is suspended.

General Presentation of PlanCon Parts D and E Follow this Slide – Estimates and 100% DD

Facilities Improvements Projects Update



Hillcrest and Richboro Additions and Renovations Projects – 100% Design Development

Land Development Update:

Northampton Township – Preliminary Approval for Hillcrest and Richboro Elementary School Addition and Renovation Projects Granted 08SEP20

Key LD issues to address:

Hillcrest Elementary School:

- No major issues of concern

Richboro Elementary School:

- Village Overlay Requirements
- Extension of trail at east side of school in accordance with the Master Trail Plan



Facilities Improvements Projects Update



Hillcrest and Richboro Additions and Renovations Projects – 100% Design Development

HILLCREST and RICHBORO ELEMENTARY SCHOOLS – PROJECT SCHEDULE UPDATE

ACTIVITY	HILLCREST ES	RICHBORO ES
Schematic Design	11FEB20 – 04MAY20	11FEB20 – 04MAY20
Design Development	05MAY20 – 11SEP20	05MAY20 – 11SEP20
Construction Documents	11SEP20 – 15JAN21	11SEP20 – 15JAN21
Bidding/Procurement Phase	15JAN21 – 03MAR21	11NOV21 – 15JAN22
Construction Phase	14JUN21 – 29JUL22	14JUN22 – 29JUL23



Facilities Improvements Projects Update



Hillcrest and Richboro Additions and Renovations Projects – 100% Design Development

HILLCREST ELEMENTARY SCHOOL – PROJECT BUDGET UPDATE

ITEM	PRELIMINARY BUDGET	COMMENTS
Construction Costs		
General Construction	\$ 11,697,900	Includes additions and site construction
Mechanical Construction	\$ 3,058,000	
Electrical Construction	\$ 2,695,000	
Plumbing Construction	\$ 1,315,000	
Total Construction Cost	\$ 18,765,900	
Soft Costs		
Soft Costs (Fees and Contingencies)	\$ 5,196,275	Includes LEED Design and Certification
ACE Grant Award	(\$ 820,000)	
ACE Grant Funds Remaining	(\$ 180,915)	
Total Soft Costs	\$ 4,194,402	
TOTAL ESTIMATED PROJECT COSTS	\$22,960,302	*Excludes Financing Costs



Facilities Improvements Projects Update



Hillcrest and Richboro Additions and Renovations Projects – 100% Design Development

RICHBORO ELEMENTARY SCHOOL – PROJECT BUDGET UPDATE

ITEM	PRELIMINARY BUDGET	COMMENTS
Construction Costs		
General Construction	\$ 11,964,000	Includes additions and site construction
Mechanical Construction	\$ 3,058,000	
Electrical Construction	\$ 2,695,000	
Plumbing Construction	\$ 1,315,000	
Total Construction Cost	\$ 19,032,000	
Soft Costs		
Soft Costs (Fees and Contingencies)	\$ 5,847,087	Includes LEED Design and Certification
ACE Grant Award	(\$ 820,958)	
ACE Grant Funds Remaining	(\$ 179,415)	
Total Soft Costs	\$ 4,846,714	
TOTAL ESTIMATED PROJECT COSTS	\$23,878,714	*Excludes Financing Costs



Facilities Improvements Projects Update

Hillcrest Additions and Renovations Project – 100% DD (Site Plan)



Facilities Improvements Projects Update

Hillcrest Additions and Renovations Project – 100% DD (Floor Plan)



HILLCREST - COMPOSITE FIRST FLOOR PLAN

HILLCREST ELEMENTARY SCHOOL
 COUNCIL ROCK SCHOOL DISTRICT
 420 E Holland Rd, Southampton, PA 18966

Facilities Improvements Projects Update

Hillcrest Additions and Renovations Project – 100% DD (Renderings)

SCHRADERGROUP



Classroom Wing – Main Entrance – Parent Drop-Off

Facilities Improvements Projects Update

SCHRADERGROUP



Hillcrest Additions and Renovations Project – 100% DD (Renderings)



Gymnasium – Multi-Purpose Room – Bus Drop-Off

Facilities Improvements Projects Update

SCHRADERGROUP



Hillcrest Additions and Renovations Project – 100% DD (Renderings)



Main Entrance – Parent Drop-Off – Gymnasium

Facilities Improvements Projects Update

SCHRADERGROUP



Hillcrest Additions and Renovations Project – 100% DD (Renderings)



Main Entrance – Parent Drop-Off – Gymnasium

Facilities Improvements Projects Update

Richboro Additions and Renovations Project – 100% DD (Site Plan)



UPPER HOLLAND ROAD

Facilities Improvements Projects Update

Richboro Additions and Renovations Project – 100% DD (Floor Plan)



RICHBORO - COMPOSITE FIRST FLOOR PLAN

RICHBORO ELEMENTARY SCHOOL
 COUNCIL ROCK SCHOOL DISTRICT
 125 Upper Holland Rd, Richboro, PA 18954



Facilities Improvements Projects Update

SCHRADERGROUP



Richboro Additions and Renovations Project – 100% DD (Renderings)



Classroom Wing – Main Entrance – Parent Drop-Off

Facilities Improvements Projects Update

SCHRADERGROUP



Richboro Additions and Renovations Project – 100% DD (Renderings)



Gymnasium – Multi-Purpose Room – Bus Drop-Off

Facilities Improvements Projects Update

SCHRADERGROUP



Richboro Additions and Renovations Project – 100% DD (Renderings)



Main Entrance - Parent Drop-Off - Gymnasium

Facilities Improvements Projects Update

SCHRADERGROUP



Richboro Additions and Renovations Project – 100% DD (Renderings)



Main Entrance - Gymnasium - Parent Drop-Off

Facilities Improvements Projects Update



Bid Decision and Timing Considerations – SFES, HCES, RES, CRHS South Turf and Tennis

PROJECT NAME	ORIGINAL CONSTRUCTION START DATE	NEXT POSSIBLE CONSTRUCTION START DATE	LATEST POSSIBLE START DATE (BASED ON TOWNSHIP APPROVALS OR APPROVED GRANTS)
Sol Feinstone Elementary School Additions and Renovations	Spring/Summer 2020	Spring/Summer 2021	Spring/Summer 2022 *(Upper Makefield Township Provided 2-Year Duration)
Hillcrest Elementary School Additions and Renovations	Spring/Summer 2021	Spring/Summer 2022	Spring/Summer 2022 *(Maximum ACE Grant Duration – LD TBD)
Richboro Elementary School Additions and Renovations	Spring/Summer 2022	Spring/Summer 2023	Spring/Summer 2023 *(Maximum ACE Grant Duration – LD TBD)

**Extension of LD Conditions of Approval from Supervisors, ZHB Re-Approvals (PADOT for SFES). NPDES Permit expires 5-Years from original approval dates*

Facilities Improvements Projects Update



Bid Decision and Timing Considerations – SFES, HCES, RES, CRHS South Turf and Tennis

PROJECT NAME	ORIGINAL CONSTRUCTION START DATE	NEXT POSSIBLE CONSTRUCTION START DATE	LATEST POSSIBLE START DATE (BASED ON TOWNSHIP APPROVALS OR APPROVED GRANTS)
CRHS South Synthetic Athletic Field	Spring/Summer 2020	Spring/Summer 2021	Spring/Summer 2021 Requires Extension from NT
CRHS South Tennis Court Reconstruction	Spring/Summer 2020	Spring/Summer 2021	Spring/Summer 2021 Requires Extension from NT

**Extension of LD Conditions of Approval from Supervisors, ZHB Re-Approvals (PADOT for SFES). NPDES Permit expires 5-Years from original approval dates*

Capital Improvements Projects Update

CRHSN Guard Rail, CRHS N and S Softball and GES Bleachers – Construction Update

- **CRHS North Timber Guard Rail Project:**

- ✓ Substantial Completion Date: 14AUG20
- ✓ Final Completion Date: 21AUG20

PROJECT COMPLETE



- **CRHS North and South Softball Field Improvements Project (Title IX):**

- ✓ Substantial Completion Date: 14AUG20
- ✓ Final Completion Date: 21AUG20

ANTICIPATED COMPLETION: 30SEP20 WAITING FOR DELIVERY OF CAGES

- **Goodnoe Elementary School Bleacher Replacement Project:**

- ✓ Substantial Completion Date: 14AUG20
- ✓ Final Completion Date: 21AUG20

ANTICIPATED COMPLETION: 07OCT20 WAITING FOR DELIVERY OF BLEACHERS

Chancellor Center Paint Remediation Project



Capital Improvements Projects Update



Chancellor Center Exterior Improvements – Paint System Failure

- **Summer 2019 Capital Improvements Project:**
 - ✓ All exterior wood components (window jambs, sill, heads, fascia, cupola, etc. were chemically stripped, prepared, primed and painted.
 - ✓ Work was performed in the summer of 2019 and showed signs of failure in the fall of 2019.
 - ✓ The Contractor engaged a testing agency followed by their painting subcontractor engagement of a second testing agency.
 - ✓ The test reports generally showed contradictory results
 - Contractor – Primer failure
 - Painting Subcontractor – Moisture issue (> 15%)
 - ✓ Sherwin Williams agreed to supply paint products at no cost to the Contractor (excluding labor)
 - ✓ Contractor has agreed to mechanically strip, prepare, prime and paint the entire building without argument. **Effort to Avoid Second Systems Failure**
 - ✓ D’Huy Engineering/CRSD are in the process of engaging a testing agency to assist with field review, coating system recommendation, application and field observations. D’Huy Engineering will assist with daily moisture readings and recordings.

Capital Improvements Projects Update



Chancellor Center Exterior Improvements – Paint System Failure

- **Summer 2019 Capital Improvements Project:**
 - ✓ In the interim, D'Huy/CRSD worked with the Contractor to strip and recoat a single window at each building elevation. An alternative paint system was tested (latex versus enamel). To date, the windows have not failed.
- **Next Steps:**
 - ✓ *The D'Huy/CRSD testing agency will observe a select window bay for testing and observations before providing the Contractor with recoating instructions. Work will include paint stripping, moisture testing and recoating with an agreed upon coating system.*
 - ✓ *The window system performance will be observed along with periodic moisture testing through the Spring of 2021.*
 - ✓ *Pending anticipated positive results, clear direction will be provided to the Contractor for recoating the entire building. All remedial work will be closely monitored and recorded by D'Huy Engineering and the testing agency. Work anticipated for the Spring/Summer 2021.*

MISCELLANEOUS UPDATE



Miscellaneous Update

Environmental Due Diligence – Environmental Testing and Reporting



- **AHERA 3-Year Re-Inspection Reporting:**

- ✓ The Asbestos Hazard Emergency Response Act (AHERA) regulations require public school districts and non-profit schools to:
 - Perform an original inspection to determine whether asbestos-containing materials are present and then re-inspect asbestos-containing material in each school every three (3) years
 - Provide yearly notification to parent, teacher, and employee organizations on the availability of the school's asbestos management plan and any asbestos-related actions taken or planned in the school
 - Develop, maintain, and update an asbestos management plan and keep a copy at the school
 - Designate a contact person to ensure the responsibilities of the public school district or the non-profit school are properly implemented
 - Perform periodic surveillance of known or suspected asbestos-containing building material
 - Provide maintenance staff with asbestos-awareness training



Miscellaneous Update

Environmental Due Diligence – Environmental Testing and Reporting



- **AHERA 3-Year Re-Inspection Reporting:**

- ✓ Element Environmental Solutions (E2S) scheduled to perform 26AUG20
- ✓ Consistent survey's and reporting by E2S for Annual Reporting, 3-year Re-Inspections, Lead Testing and Facility Improvement Projects limits risk to the CRSD

- **2020 District Wide Lead in Drinking Water Testing and Reporting:**

- ✓ Under the PA Act 39 of 2018, schools may, but are not required to, test for lead levels annually in the drinking water of any facility where children attend school. *CRSD has been testing annually before Act 39 of 2018.*
- ✓ If a school chooses not to test for lead levels, then the school must discuss lead issues in school facilities at a public meeting once a year. This meeting may be a stand-alone meeting or part of an existing public meeting (such as a school board meeting). *CRSD both tests and discusses at FACCOM Meeting.*
- ✓ Element Environmental Solutions (E2S) performed the initial test in accordance with the EPA (30JUL20)



- **2020 District Wide Lead in Drinking Water Testing and Reporting:**

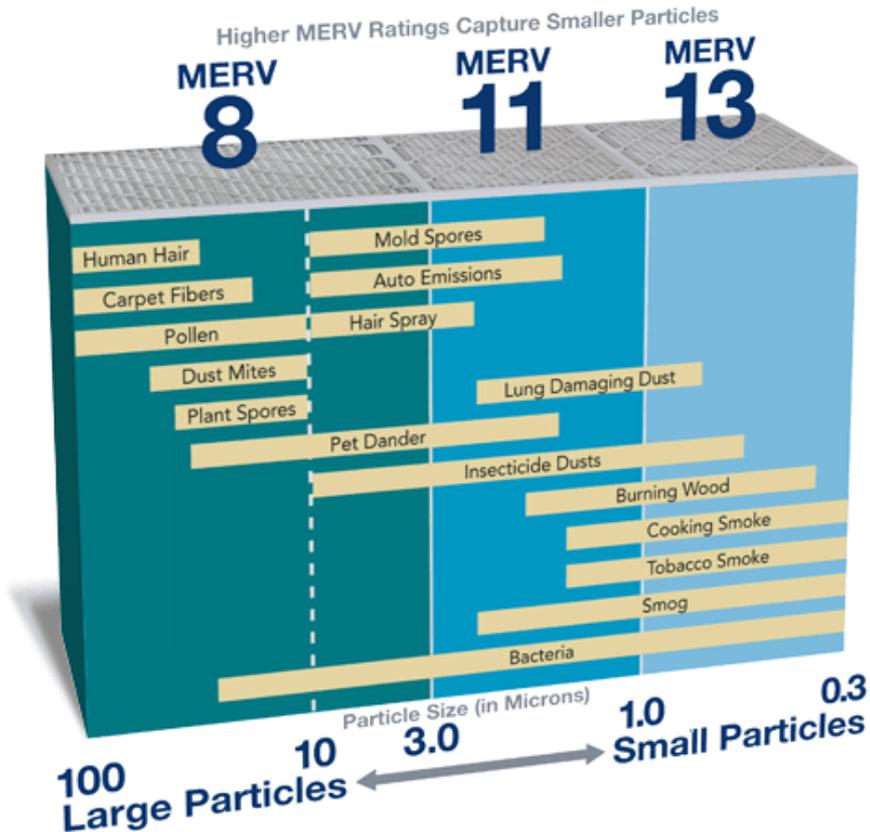
- ✓ 162 samples collected throughout the District, only had 7 sample results that were above the EPA recommended action level of .015 mg/l (15 parts per billion)
 - Holland Elementary School (1)
 - Richboro Elementary School (1)
 - Holland Middle School (1)
 - Richboro Middle School (1)
 - CRHS North (2)
 - LSAC (1)
- ✓ The 7 locations noted above were retested (13AUG20)
- ✓ Retesting results confirmed all locations are in compliance with EPA (17AU20)



Miscellaneous

Supply Bids – Bid Results and Recommendations

20-25 Air Filter Bids



MERV (Minimum Efficiency Reporting Value) developed by ASHRAE (American Society of Heating, Refrigerating, Air Conditioning and Engineers) MERV 13-16 removes up to **75%** of all airborne particles 0.3 microns or greater from the air.

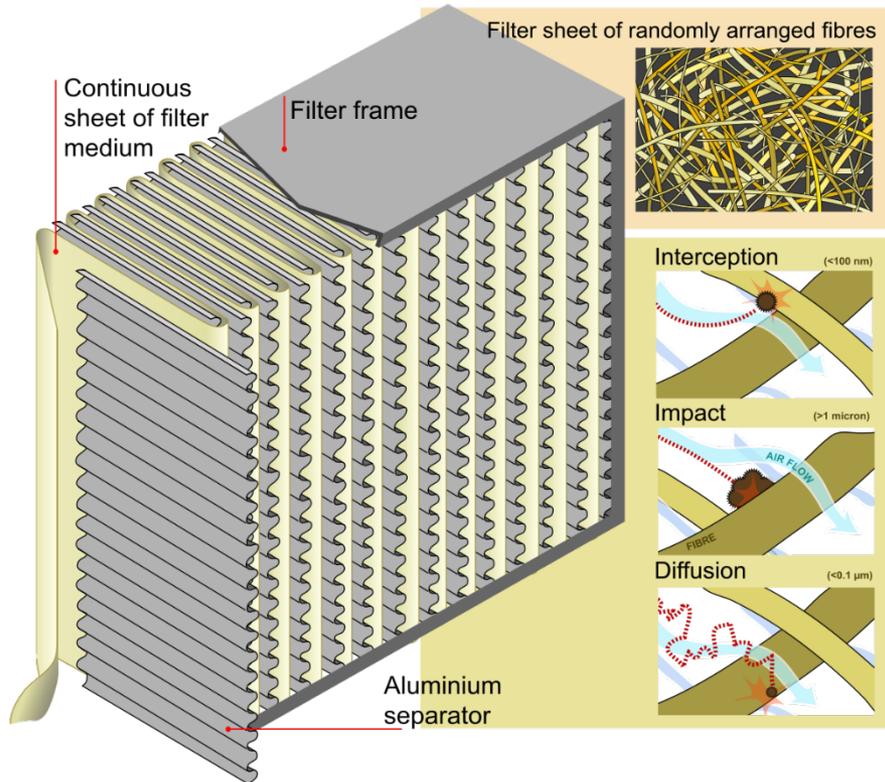
MERV 8 - Commercial Buildings

MERV 11 - Hospital Laboratories

MERV 13 - Superior Commercial Buildings



20-25 Air Filter Bids



HEPA (High Efficiency Particulate Air)
Commercialized in the 1950's

Designed for applications where contaminants must be trapped on the first go round. For example, you wouldn't want viruses circulating in the air in a hospital, so the facility would probably be equipped with HEPA filtration. HEPA filters can capture up to **99.7%** of all contaminants 0.3 microns or greater using a dense mat of fibers arranged in a specific configuration.



20-25 Air Filter Bids



Pleated and Fiberglass (Traditional disposable filters)

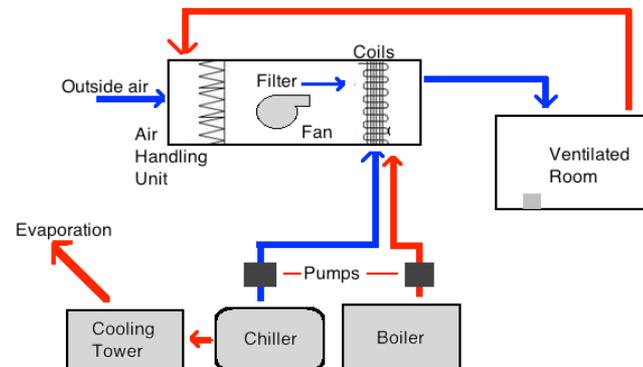
Designed for applications where industry standard filtration is required to trap dirt and protect the HVAC equipment. Average efficiency is between **25-55%**. Pleated air filters may capture more particles but generally neither perform at the level of MERV 8 rated filter and higher



20-25 Air Filter Bids

Existing and Aging Equipment (**Why not replace existing fiberglass filters with HEPA?**)

- ✓ When you put a filter in the airstream, the air has to go through it
- ✓ How much resistance depends on the type of filter material and the amount of area
- ✓ The standard fiberglass filter doesn't resist the air flow much, at least not when the filter is clean. As the filter loads up with the particles (dirt) it catches, the resistance increases.
- ✓ If you want to remove more particles (dirt) from the air, you can use a filter with a different material. The pores in these filters are much smaller, allowing the filter to catch more pollutants from the airstream but also adding more resistance. The higher MERV and HEPA filters have higher resistance.



20-25 Air Filter Bids

Existing and Aging Equipment (**Why not replace existing fiberglass filters with HEPA?**)

- ✓ When you add more resistance (MERV or HEPA), you can get a **bigger pressure drop** across the **filter...and that's where the problems begin:**
 - The blower in the furnace or air handler is rated for a certain amount of pressure drop. If you use a lot of it up just to get the air through the filter, there's **not much left to move the air through the rest of the system.**
 - It's possible that the blower will **use more energy.**
 - The low flow will create **stress on the blower motor risking burnout.**
 - **Reduced air flow.** Your not likely to get the air flow the system was designed to deliver.
 - One consequence of low air flow is **reduced comfort.** In the hottest and coldest weather, the system may not be able to deliver enough heating or cooling.
 - Another consequence of low air flow is that the **air conditioner coil may get too cold and even freeze up.**
 - Then the refrigerant doesn't evaporate and goes back to the compressor in the liquid state, which can **damage the compressor.**
 - Low air flow means the furnace heat exchanger gets hotter. It **could even crack.**



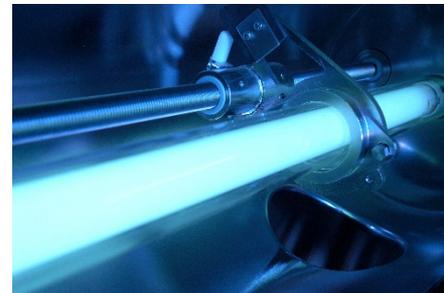
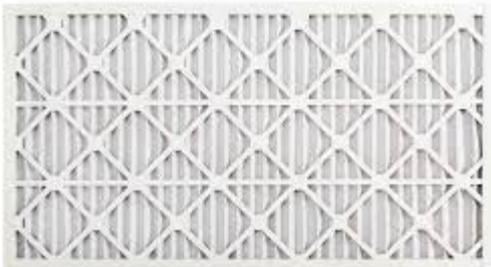
20-25 Air Filter Bids

Existing, schools under construction and planned projects including MERV filters (and other filter types) are as follows:

- ✓ Holland Middle School
- ✓ Newtown Middle School
- ✓ Sol Feinstone ES (current lower level includes HEPA, planned renovations include MERV)
- ✓ Rolling Hills Elementary School Project
- ✓ CR STAR Center Project
- ✓ Hillcrest ES Project
- ✓ Richboro ES Project

Schools under construction and planned projects planned for supplemental UV filtration include the following:

- ✓ Sol Feinstone ES
- ✓ Rolling Hills Elementary School Project
- ✓ CR STAR Center Project
- ✓ Hillcrest ES Project
- ✓ Richboro ES Project



Miscellaneous



Supply Bids – Bid Results and Recommendations

20-25 Air Filter Bids

- Bid No. 20-25 Air Filter Supply
 - ✓ HVAC Filters
 - ✓ Filter Maintenance

Proposed Bid Award:

• Brookeaire Company, LLC	\$27,096.79
• Herring’s Home Quality Services	<u>\$ 3,024.00</u>
TOTAL BID AWARD	\$30,120.79

Funding: Maintenance



Miscellaneous

ABM Custodial – Onboarding/Acclimation Update

- Completed interviews and hiring of Aramark's staff members
- Ongoing interviews and hiring of staff positions
- Aramark completed waxing of 8 schools prior to departure, ABM addressed the remaining schools and spot work of schools completed by Aramark
- All custodial equipment and supplies delivered and distributed
- Cleaning chemical stations are in place
- Viking Pure Systems stations installed and ready for student occupied schools
- Trained staff on enhanced cleaning and are continually retraining staff on the disinfecting of the high touch points
- Staffing Required (FTE):

When	FTE Required	Current FTE	Action Plan
Summer	60	60	No Action Required
School Year	*75.5	63	8 FTE in process, 5 interviews
Evening Supervisors	2	2	No Action Required
Daytime Leads	14	14	
Nighttime Leads	14	14	

*Total 78.5 FTE including General Manager, Account Manager & Supervisor

BOARD AGENDA ITEMS



Board Agenda Items

Board Agenda Items – Recommendations for 01OCT20 Board Meeting

- **Bid No. 20-25 Air Filter Supply**

- ✓ **HVAC Filters**
- ✓ **Filter Maintenance**

Funding: Maintenance

- **PlanCon Part D Project Accounting Based on Estimates**
PlanCon Part E Design Development

- ✓ **Hillcrest Elementary School Additions and Renovations**
- ✓ **Richboro Elementary School Additions and Renovations**

Funding: N/A

Upcoming Meetings & Topics:

Meetings and Topics include, but may not be limited to:

MEETING DATE	PROBABLE TOPICS
08SEP20 (NT)	HCES and RES Planning Commission – Preliminary/Final Approval
17SEP20 (FACCOM)	HCES and RES Design Development Presentation
01OCT20 (BOARD)	PDE Part D and E for HCES and RES
15OCT20 (FACCOM)	CIP Project and Budget Review *Possibly November distribution
26OCT20 (NT)	RES Zoning Hearing Board Commission – Impervious Surface
12NOV20 (FIN-FACCOM)	Joint FINCOM/FACCOM CIP Budget Determination/Facilities Improvements Determination (HCES, SFES, CRHS South Turf-Tennis)
18NOV20 (NT)	HCES and RES Board of Supervisors – Conditional Approval
16DEC20 (NT)	HCES and RES Board of Supervisors – Conditional Approval (If necessary)
17DEC20 (FACCOM)	Follow-Up Discussions surrounding CIP Projects (If necessary)

Note: Dates and Topics are Subject to Change and/or Expand



Public Comments - Thank you!

Next Facilities Committee Meeting:
Thursday, October 15, 2020 @ 7:00pm

