

GLASSBORO PUBLIC SCHOOLS

DISTRICT PROJECT UPDATE

May 2023

District Wide Projects

High School

- New sinks for Home Economics have been ordered and are waiting for delivery in February. Ship date is now 2/17/2023. **Delivered, need to gather some information to install them, size of drain lines, and grease trap.**
- Having issues with certain rooms being colder than normal, combination of issues. Chiller fixed and running better, outside temps not as warm as normal, cooler morning and the lack of being able to control these units during these events. This is not a cheap fix, rough estimate \$20,00.00 plus to fix this. I will attach the report from BSI

Bowe

- Lockers installed in the classrooms and other areas still need numbers, and a few other items to finish the job. Will finish during Spring Break. **Still need to do some final work.**
- Punch list and other work started to finish work in the new science labs. **Met with Dan from FVHD and Joe from Kavi to go over punch list and they will be working in Bowe during Spring Break. Still working on some issues**
- Ordering new dumpsters for the rest of district.
- **With the installation they found issues with the gas pressure for the new units. It was at 7 inches of water column, which is the minimum for the unit and would drop from there. Working with the architects, the engineers and SJ Gas to get the problem resolved, before the rest of the units come in.**
- Air handler in storage room by girl's locker rooms, needs new blower wheel and shaft as well as bearing, waiting on cost.

Bullock

- Noise issues with the new units in the O/T smaller offices, working with Northeast Mechanical and BSI to see if we can quiet them down some.

Rodgers

- Having issues with rooms tripping out on the freeze stat, due to dirty coil issues.

BEACH

- Working with Technology and M&M Electric to install a new electrical outlet, 60 amp, for new back up power supply.

OPS/TRANSPORTATION

DISTRICT WIDE

- rSchooltoday electronic work orders, 1629 work orders have been generated and approximately 44 still outstanding, most outstanding are from school heating issues and things needing put together and smaller repairs, work orders coming in daily.
- Working shorthanded, district wide and commend those who have stepped up to make sure we keep moving by helping wherever needed.
- A new 2023 F250 4x4 with snowplow has been ordered through a state contract with Winner Ford.
- Fire Inspection handled by Logan Township; we are continuing to fix all issues work with them on a few other issue where PO's will need to ne issued to fix some items. **Given extension to finish some smaller issues as well as the sprinkler testing and updating needed to be done**

Booth, Richard

From: Steve Ricchezza <SRicchezza@bsihvac.com>
Sent: Friday, June 2, 2023 2:28 PM
To: Booth, Richard
Subject: [EXTERNAL EMAIL] RE: High School

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** EXTERNAL EMAIL -->> **BEFORE** opening attachments, clicking on links, or providing any information, **PLEASE STOP and VERIFY** the sending source **
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Hi Rich,

This unit is part of the variable air volume system that serves that back wing. The RTU is designed to maintain a constant discharge air temperature at about 60 DegF (I think). The VAV boxes that serve the spaces are tasked with varying the airflow based on demand as well as reheating the air with their local hot water control valves when needed.

The potential issue that exists comes into focus when you switch the system over to cooling only and hot water is no longer available. Now if rooms are cooling down there is no way to reheat them and in the shoulder seasons where it isn't that warm the problem gets worse.

In addition to that, as part of the job scope when we did the work, this area's control system was left as is and we only integrated the existing points. So that means you don't have as much functionality to manually adjust things especially on the RTU.

All that being said, I don't see anything you can do to help the problem the way your system is currently designed and with what you have available to utilize from the front end.

What I would recommend is for you to consider trying to budget some money to replace the controls on these systems to allow you a little more control over them. The RTU would be the first thing to attack because that would allow you to adjust that discharge air setpoint a little higher when the system sees the spaces start to over cool. After that you could slowly convert the VAV boxes and other equipment that was left on the older system as your budget allows.

To give you a rough idea on budget costs doing the minimal amount of replacement of devices (leaving relays, valves or damper actuators etc in place):

RTU A139 controls replacement and integration into the front end would be in the neighborhood of \$9,500. This would include getting the new backbone communication wiring in place that would allow future units to go a little faster.

Each other RTU controls replacement and integration into the front end would be in the neighborhood of \$4,500 each.

The unit vent controls replacement and integration into the front end would be in the neighborhood of \$3,500.

The VAV boxes may need to all be done at once due to some of the intricacies of some of the sequence interlocks so I'd have to look closer at this if you wanted a number.

Feel free to contact me if you have any questions.