

Capital Improvement Projects (CIP) FY2025 - FY2029

Project Description

1. DIST Classroom Computerization/Upgrade

We will work to replace outdated end-user hardware to improve overall efficiency and ensure all users continue to be able to access and utilize necessary network resources, realigning with goals of our district obsolescence plan that has been negatively impacted due to cuts to CIP for the past 5 budget cycles. To accomplish this, we will allocate our requested \$200,000 towards purchasing computers and peripherals, as well as interactive panels to replace failing SMART boards throughout the district and standardize models. Specifically, we will focus on the following:

 - **Docking station setups for teacher laptops (\$45,000)** - used to support the 180 teacher laptops purchased through rounds 1 and 2 of the Emergency Connectivity Fund, which provides funding to support remote learning during the COVID-19 emergency period. The shift to laptops for teachers will result long-term in assigning one device per certified staff (laptop as opposed to desktop plus chromebook).
 - **Loaner Laptops (\$20,000 - 5 per building)** - to be distributed to buildings for use by substitute teachers in the event of a teacher absence
 - **Device Replacement (\$30,000)** - used to replace aging administrator/district level laptops per district obsolescence plan. Devices being replaced average 6 years of age.
 - **Access Points/Wireless Connectivity (\$20,010)** - to ensure ongoing connectivity and maintain network infrastructure. Devices being replaced average 5 years of age.
 - **Network switches (\$25,000 - remaining \$10,000 to come from Network Enhancements)** - to install/upgrade switches to accommodate new paging systems at CGS and GHR
 - **Interactive panels for classrooms (remaining \$59,990)** - to replace numerous aging/failing displays districtwide. Any devices replaced would be at a minimum of 8 years old. This price would include all essential mounts and associated equipment.

With increasing reliance on computer based network resources, the above purchases are necessary to maintain critical resources used by students and staff throughout the district in their daily operations.
2. DIST Furniture/Equipment Replacement.

Purchase furniture/equipment to replace old, broken, or damaged furniture/equipment. The items that need to be replaced include: 27 desks, tables, chairs, shelving, teacher table, and teacher desk, as needed. The average age of the classroom furniture is 30 plus years. The District's plan is to replace furniture in three classrooms, per school, each year. With this current plan it will take on average 15 years to replace each classroom district wide. Once this is complete it will be time to start the cycle over.
3. CGS Sidewalk Replacement

The asphalt sidewalks that go from the cement walks to classrooms and side entrances at CGS have become a safety issue and are in need of replacement. With the school using the sidewalks around the buildings for breaks and having the students enter the buildings through exterior doors, there is more foot traffic on them. Replacing the sidewalks would not only make it safer for the students, it will make it easier to clear them of snow and ice in the winter.
4. CHS Relocate High School Weight Room

During the 2017 NEASC visit, it was determined that the current weight room does not meet the needs of the school. The two main issues noted were: 1) the space is not large enough to hold a full class for fitness training at one time and 2) the current HVAC system does not meet the needed air flow and dehumidification to service the room. The best option would be to relocate the weight room to a new location attached to or near the Complex. The proposed budget includes fitness equipment for full classes, HVAC that meets current standards, a weight training area, and restrooms/locker rooms. The facilities must be in place to meet the needs of students by the 2027 NEASC deadline.
5. CHS Carpet Replacement

Replacement of the carpet in the Auditorium at CHS. The carpet in the Auditorium was installed during the 1999 renovations and has a life expectancy of 15 years. This project would finish the carpet replacement in the District. The replacement cycle would start again in 2031, beginning with the carpet first replaced in 2015.

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6. CNH/CHS Security Window Film
Security of the schools is an ongoing effort the District has been working on with local and state agencies to provide the safest learning environment possible. The District has received money from the first four rounds of the state grant program, and a multi-media grant to help offset costs to the District. In the last round of the state grant, the District received funding for CGS and GHR for security film. This project would cover the installation of security film at CNH and CHS on exterior windows. The District will continue researching and applying for grants.
7. DIST Security Cameras, Bollards, and Access Controls
Security of the schools is an ongoing effort the District has been working on with local and state agencies to provide the safest learning environment possible. The District has received money from the first four rounds of the state grant program, and a multi-media grant to help offset costs to the District. This project would cover the installation of additional access controls to both interior and exterior doors and the installation of additional cameras throughout the District, along with additional bollards throughout the District. The District will continue researching and applying for grants.
8. DIST Network Enhancements
Technology is integrated into all district and town functions and we need to ensure that the network is able to support and grow in alignment with new and emerging IT trends and requirements. Our network provides access to resources essential in carrying out the daily operations of our schools and town. With so many mission critical systems reliant on connectivity, upgrading the aging fiber connection between the Town Hall and Complex will be essential in ensuring ongoing access. Additionally, upgrading the network switches at CGS and GHR to support the requested new paging systems is critical to supporting just-in-time communications within the building.
 - **Fiber Installation (\$20,000)** - initial work was done and it was found that the existing line is blocked so we will most likely need to create a new connection (which requires excavation work).
 - **Network switches (remaining \$10,000 for total of \$30,000)** - to install/upgrade switches to accommodate new paging systems at CGS and GHR
9. DIST 10 Year Tank Inspection
Both NFPA and health codes require that all water tanks both for fresh water and fire suppression be inspected every 10 years. The inspections involve emptying the tanks and visually inspecting them for any damage or faulty components and make the needed repairs. The last inspection was completed in 2017.
10. DIST Sand and Refinish Hardwood Floors.
This line item meets the MFMA recommended maintenance schedule and calls for an annual finish re-coat and a complete resurfacing every 8-10 years, depending on facility use. This would keep the floors in good shape and extend the life of the floors. The next floor that needs a complete resurfacing is the GHR gym that was last done in 2015. The list of other floors are the Hurlock gym 2022, CHS old gym 2017, CNH gym, 2016, CGS gym 2018, and GHR café 2018. The goal is for the floors to be on an 8-year cycle, so every 4 years we refinish half of the floors.
11. GHR Repair to the GHR Portable and Ramp
The portable at GHR is in need of repair that would include siding, windows, and upgrade HVAC. This project would also repair and replace the ramp and stairs that connect the portable to the main school. The roof of the portable and ramp was completed in 2019. This repair is need to insure that the space can be used by the students.
12. DIST Maintenance Van Replacement
This line item is part of the district maintenance plan for the replacement of the maintenance vehicles. To meet this plan, the next vehicle scheduled to be replaced is the 2010 maintenance van. At the time of replacement, the van will be 14 years old. In 2027 we would replace the 2016 maintenance van that would be 18 years old at that time.

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13. GHR/CGS Paging systems
The paging systems at both CGS and GHR upgraded the speakers in 1999 but still has the original controls. In 2019 the paging controls were integrated with the new VOIP phone system but the system has limitations and a short life span. Without the paging system, the main office cannot relay information throughout the entire school.
14. CHS Custodial Floor Equipment Replacement
We are looking to replace two floor machines, 1) a Tenant auto scrubber used at the CNH/CHS Complex purchased in 2013, with a life expectancy of 10 years, 2) a Tenant burnisher, also purchased in 2013, with a life expectancy of 10 years. Both units are used daily to keep the floors at the high school and the complex in like new condition, throughout the year. Over the past couple of years, we have replaced aging units at CGS, GHR, and CNH. This would follow the maintenance plan for district equipment.
15. DIST AC Replacement
There are currently four mini-split units located at CNH and CHS that are scheduled for replacement based on age and service costs. The new mini-split systems would meet the new standards for fresh air and air exchange rates. They would also be energy efficient and have heat pumps as a back-up heat source for the rooms.
 - a) At CNH, the two units are located in Computer Labs 1 and 2; both units were installed in July 2000 and have a life expectancy of 15 years.
 - b) Two units at CHS were installed in July of 2000 and have a life expectancy of 15 years.
16. CNH Rooftop Units
This project would replace the 2-rooftop units that service the CNH main office suite including the Nurse's office. These units are not part of the current HVAC upgrades covered under the building committee (that plan focused on the classroom ventilation). Both units were installed during the 1999 school renovation project and have a 15-year life expectancy. Over the last 4 years, the District has spent \$4,387 in contracted services and \$3,680 in in-house maintenance. New units will be energy efficient with variable speed drives and multiply stage compressors.
17. CGS Crack Seal and Painting Lines
The CGS parking lot was installed in 2022 and would require sealing and repainting the lines to insure that the parking lot remains in good shape. The parking lot is around 12,000 square yards at a cost of \$1.50 for sealing and then the cost of repainting the lines.
18. CHS Fire Pump Replacement
The current fire pump was installed during the 1999 renovation and has a 20-25 year life expectancy. The fire pump serves the sprinkler system for the CNH/CHS Complex. This year, we requested some repairs be done that were found during the yearly inspection. The equipment is showing signs of rust and wear and tear from age.
19. CNH Replacement Lockers
The current lockers are the original lockers from when the school was constructed. The lockers were repainted after the renovation project in the fall of 2000 and some new hardware was installed. With the years of use, the doors have become bent and the hinges are starting to fail. This is making repairs difficult and there are several lockers that cannot be used by students.
20. CHS Asbestos Abatement
During testing for the cafeteria abatement project, they found 18 classrooms that have asbestos containing material that was encapsulated in 1999 with VCT. This project would remove all asbestos containing material and replace with new VCT. The completed areas are the CHS café, LGI, hallways, offices, custodian closets, and bathrooms. State funding may be available, reducing the cost to the District to \$125,000.
21. CHS/CNH Install AC Units in the LGI and Lecture Hall
Currently the LGI and Lecture Hall are being used not only for a classroom, but also for staff meetings, training, as well as by outside groups. The new mini split systems would supply fresh air and meet the new standards for fresh air and air exchange rates. The new units would also be energy efficient and have heat pumps as a back-up heat source for the rooms.

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22. CHS/CNH Crack Seal and Painting Lines
Pricing for the crack sealing is \$1.50 per square yard. The total for the District is 28,600 square yards. This would include CNH, CHS, HEEC, and Complex parking areas. This would also cover the cost of repainting the lines that are fading.
23. CHS Lecture Hall Seat/Tablet Replacement
The Lecture Hall seating/writing tablet system is fragile, requiring ongoing repairs, as tablets break off almost as quickly as we can repair them. If we are to preserve the purpose of this venue, we will need to replace this equipment with a more durable system. Parts have not been available for the existing system for some time, with specialized fabrication as our only repair alternative.
24. DIST Fireproof File Cabinets
This would replace the current standard filing cabinets that are used to store the District's personnel and financial records. The current filing cabinets do not safeguard the District's information from fire or water damage. This would allow us to protect the District's vital information.
25. DIST EV CAR Replacement
The EV car is used for multiple purposes in the District that include student transport, staff transport for training, and a backup vehicle for maintenance. The EV car was partly paid for with the use of an energy grant that covered half the cost of the car. The District is actively researching grants to cover some or all of the cost of a replacement vehicle.
26. CHS Replacement of VCT
The VCT located on the side entrances to the LMC at the High school and along the hallway, leading to the main High school has started to lift. This project would remove the current tile seal the concrete and install new VCT in that area.
27. CGS HVAC Upgrades
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handle units, Fan coil units, Split units, Variable air units, Roof top units, and other equipment related to HVAC. All the equipment is past the life expectancy and requires continuing maintenance to keep operational.
28. GHR HVAC Upgrades
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handle units, Fan coil units, Split units, Variable air units, Roof top units, and other equipment related to HVAC. All the equipment is past the life expectancy and requires continuing maintenance to keep operational.
29. CNH HVAC Upgrades
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handle units, Fan coil units, Split units, Variable air units, Roof top units, and other equipment related to HVAC. All the equipment is past the life expectancy and requires continuing maintenance to keep operational.
30. CHS HVAC Upgrades
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handle units, Fan coil units, Split units, Variable air units, Roof top units, and other equipment related to HVAC. All the equipment is past the life expectancy and requires continuing maintenance to keep operational.
31. CGS Exterior door replacement
The exterior doors and frames at CGS are rusting and need to be replaced. The current frames of the doors are original to the building and the classroom doors were replaced about 15 years ago. This project would include all classroom and entrance doors. Over time the rusting will create a security concern as the frames start becoming loose.

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School Building Committee

32. CHS Replace Original Classroom Unit Ventilators.
The current classroom unit ventilators are original to the construction of the school and do not meet the current fresh air and noise level codes. Besides the repair cost climbing each year, the units are failing in other ways, such as, allowing outside air to pass the damper - cooling the room, or in some cases, freezing the coils and splitting pipes. Units are also getting louder each year as parts start to fail, affecting the quality of classroom instruction. The building committee is working on a plan to replace the unit ventilators with other units that meet the current fresh air and noise level codes.
33. CNH Replace Original Classroom Unit Ventilators.
The current classroom unit ventilators are original to the construction of the school and do not meet the current fresh air and noise level codes. Besides the repair cost climbing each year, the units are failing in other ways, such as, allowing outside air to pass the damper - cooling the room, or in some cases, freezing the coils and splitting pipes. Units are also getting louder each year as parts start to fail, affecting the quality of classroom instruction. The building committee is working on a plan to replace the unit ventilators with other units that meet the current fresh air and noise level codes.
34. CHS/CNH Exhaust and Fresh Air System
The new system would supply each classroom and work area with a dedicated tempered fresh air system with exhaust. The system would meet the new fresh air and noise requirements for classrooms. The building committee is working on a plan for the new system.
35. CHS Add Dedicated Heat/Make-up Air Unit for the Kitchen
The make-up air and heat source for the kitchen hood exhaust is from the cafeteria. This is only possible if the doors between the server and the cafeteria are open and the kitchen exhaust fan is operating. If these two conditions are not met, then the kitchen has no heat source. It has been reported that water pipes in the kitchen have previously frozen.
36. CHS/CNH Lightning Protection.
The CNH/CHS emergency generator and associated buildings sustain damage from lightning and/or electrical surge events on a continuing basis. We have lost circuit boards in electronic devices in the school, and controls and circuit boards on the generator that serves the high school Community Shelter. These interruptions in service have been both costly and disruptive. The project includes a complete system of lightning protection in accordance with Underwriters Laboratories Inc., Lightning Protection Institute, and the National Electrical Code. Air terminals, ground electrodes, conductors, connectors and fasteners used to ground to the water system, power ground, plumbing/heating systems, AC units, antennas, and all equipment per code standards will be installed for the purpose of preventing or lessening the damage due to lightning strikes.
37. CGS Replace Original Classroom Unit Ventilators.
The original classroom HVAC equipment is reaching the end of its life expectancy and a replacement plan should be adopted.
38. CGS Exhaust and Fresh Air System
Install a system that would supply tempered fresh air while exhausting the building. The system would work with the new classroom heat to satisfy the space when occupied.
39. CGS Replace Gym AHU
Replace aging AHU with an energy efficient unit that has VFD. This would save the District not only energy costs, but also repair costs.
40. GHR Replace Original Classroom Unit Ventilators.
The original classroom HVAC equipment is reaching the end of its life expectancy and a replacement plan should be adopted.

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41. GHR Exhaust and Fresh Air System
Install a system that would supply tempered fresh air while exhausting the building. The system would work with the new classroom heat to satisfy the space when occupied.
42. GHR Replace Café Air Handling Unit
Replace aging AHU with an energy efficient unit that has VFD. This would save the District not only energy costs, but also repair costs.
43. GHR Install Hydronic Perimeter Heating System for the Library Media Center (LMC)
The original perimeter heating system for the LMC was replaced with electric resistance heating elements. Converting to hydronic and connecting to the boiler plant would allow the space to be heated by less expensive means.

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Larger Projects for Long Term Planning and Bonding

44. GHR Parking Lot Replacement
The current parking lot is over 18 years old and beyond repair due to large cracks and sections where the asphalt is breaking apart. This project would remove the old asphalt, curbing, and storm drains and will include the upper and lower lots. The pricing may be lower if we can include the project with one of the Town's road projects. Estimated price does not include the reconfiguring of the parking lot.
45. DIST Window Replacement.
Replace windows at all four schools with energy efficient windows. This is an estimated cost. Due to the complexity of the project, engineering would need to be involved.
46. GHR Roof Replacement
The roof was installed in 2011 and would reach the 20-year mark in 2031. This project would include the original section of roof at GHR. The 5th grade wing and gym roofs were replaced in 2022.
47. CNH Roof Replacement
The roof was installed in 2011 and would reach the 20-year mark in 2031. This project would include all of the CNH roof up to the Complex.
48. CGS Roof Replacement
The roof was installed in 2011 and would reach the 20-year mark in 2031. This project would cover the complete roof at CGS.
49. Admin Roof Replacement
The current roof was installed in 2000 and would reach the 30-year mark in 2030. This project would not qualify for any reimbursement from the state because the building is not used for student learning.