

# Capital Improvement Projects (CIP) FY2027 - FY2031

## **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We will work to replace outdated end-user hardware to improve overall efficiency and ensure all users continue to be able to access and utilize necessary network resources, realigning with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 7 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:

- Device replacements (\$112,050) - to continue addressing aging devices and put us back on track for our 5 year replacement plan. This cost includes 78 laptops and 31 desktops per our district obsolescence plan.
- Access Points/Wireless Connectivity (\$12,000) - to ensure ongoing connectivity and maintain network infrastructure. We are looking to replace approximately 50 access points, with the devices being replaced on average 5 years of age.
- Classroom phones for VoIP replacement (\$68,500) - to replace aging phones for projected VoIP migration. Current phones are nearing end of life and will no longer be supported.
- Interactive panels for classrooms (\$7,450) - to replace numerous aging/failing displays districtwide, of which the number is increasing due to repeated budget cuts. 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.

Replace outdated and damaged classroom furniture, including 27 desks, tables, chairs, shelving, teacher desks, and teacher tables. The average age of furniture is over 30 years. The District will replace furniture in three classrooms per school each year. At this rate, it will take approximately 15 years to complete districtwide replacement, after which the cycle will restart.

### 3. CGS Sidewalk Replacement

Asphalt sidewalks connecting cement walkways to classrooms and side entrances are deteriorating, creating safety concerns. With increased student use during breaks and building entry, replacement will improve safety and make snow/ice removal more efficient.

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4. CGS Replace the Septic System  
In 2024, damage to the upper septic system leach field pipes reduced functionality. While temporary repairs were made, the system, installed in the 1980s, has exceeded its service life and requires full replacement.
5. Admin HVAC Upgrades  
Install ductless mini-split systems with heat pumps in seven office areas, the breakroom, and the conference room. The main HVAC unit will remain in place to provide dedicated outside air and service the common areas.
6. 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. Our plan for 2026/2027 is to refresh some of our switches as part of an on-going replacement plan.
7. DIST 10 Year Tank Inspection  
NFPA and health codes require inspection of fresh water and fire suppression tanks every 10 years. Inspections include draining, visual review, and necessary repairs. The last inspection occurred in 2017.
8. DIST Sand and Refinish Hardwood Floors.  
Per MFMA standards, gym and café hardwood floors require annual finish coats and full resurfacing every 8–10 years. The next resurfacing is scheduled for the CNH, CHS old gym (last completed in 2016, 2017). Other recent resurfacing:
  - Hurlock Gym – 2022
  - CHS Old Gym – 2017
  - CNH Gym – 2016
  - CGS Gym – 2018
  - GHR Café – 2018

The plan maintains an 8-year resurfacing cycle, with half of the floors completed every 4 years.

9. GHR Upgrade of the GHR Portable and Ramp  
The portable classroom at GHR requires major repairs to remain functional for future District needs. Upgrading this space will ensure it provides a safe and supportive learning environment for students.

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10. DIST Maintenance Van Replacement  
As part of the vehicle replacement plan, the next scheduled replacement is the 2010 maintenance van, currently out of service and deemed unsafe (rotted floor panel, rusted frame, brake issues). In 2027, the 2016 van will be replaced, by which time it will be 18 years old.

11. CHS Custodial Floor Equipment Replacement

Replace two custodial floor machines:

- **Auto scrubber** (purchased 2013, 10-year lifespan)
- **Burnisher** (purchased 2013, 10-year lifespan)

Both are critical for daily maintenance of floors at the CNH/CHS complex. Replacement continues the District's equipment rotation, which has already addressed CGS, GHR, and CNH.

12. CGS Crack Seal and Painting Lines

The CGS parking lot was installed in 2022 and would require sealing and repainting the lines to ensure 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.

13. CHS Fire Pump Replacement

Replace the fire pump installed during the 1999 renovations. The pump, serving CNH/CHS Complex sprinklers, shows wear and rust. Repairs have been required annually, indicating end of service life.

14. 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.

15. 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. The back parking lot at the High School was replaced in 2015, the remaining parking lots were replaced in 1999. The Asphalt Institute recommends that parking lots are cracked, sealed and lined every 4 to 5 years. The life expectancy of a parking lot is 15 to 20 years.

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16. 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.
17. 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.
18. 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.
19. CHS Replacement of VCT Flooring  
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.
20. 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.
21. CGS Window AC units in Classrooms  
CGS has 25 classrooms without any air conditioning for students. This project would supply a 15,000 BTU window unit for each of the classrooms. The project also covers needed wiring upgrades to some of the classrooms to support the window units.
22. GHR Window AC units in Classrooms  
GHR has 28 classrooms without any air conditioning for students. This project would supply a 15,000 BTU window unit for each of the classrooms. The project also covers needed wiring upgrades to some of the classrooms to support the window units.
23. CNH Window AC units in Classrooms  
CNH has 27 classrooms without any air conditioning for students. This project would supply a 15,000 BTU window unit for each of the classrooms. The project also covers needed wiring upgrades to some of the classrooms to support the window units.

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24. Dist HVAC Inspections  
The state requires school districts starting in 2026-2027 year have 20% of the district inspected each year over the next 5 years. The HVAC inspections must be performed by a certified testing, adjusting, and balancing technician or mechanical engineer must perform ventilation assessments under the school air quality program. The assessment must verify whether the existing mechanical ventilation system is operating in accordance with design parameters, meets DOL requirements, and follows the ASHRAE recommendations. The cost of each location is as follows: CHS-\$110,000, CNH-\$90,000, GHR-\$80,000, CGS-\$80,000.
25. CHS Generator Replacement  
The generator covers 75% of the High school and 25% of the Middle school during power outages. The generator was installed in 1999 and has a life expectancy of 20 to 25 years. Over the last 5 years, the district has spent approximately \$14,000 in repairs that include the main board, starter, and voltage regulator.
26. 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 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.
27. CNH/CHS Security Window Film  
The District has secured multiple state and multimedia security grants, including funding for CGS and GHR window films. This project extends coverage to CNH and CHS exterior windows. Additional grant opportunities will continue to be pursued.
28. 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.
29. GHR/CGS Paging systems  
The paging systems at both schools upgraded speakers in 1999, but original controls remain. Integration with VOIP in 2019 was limited, and the CGS system frequently fails. Without reliable paging, offices cannot communicate schoolwide. Facilities and IT are working with vendors on temporary solutions.

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30. CHS/CNH Paging System  
The paging systems at both CHS and CNH upgraded the speakers in 1999 but still have 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. Currently the system at CNH is having wiring issues that are causing speakers to fail.
31. CGS Fire Alarm Replacement  
The current fire alarm panel and system was installed in the early 80's and has started to show signs of failing. Over the last couple of months, the system has been going into trouble and having different components fail. The fire alarm company has let us know that with the age of the system parts are getting harder to find. They also let us know that we would likely have to replace the panel along with all the monitoring devices like smokes, heat, horns, etc.
32. GHR Fire Alarm Replacement  
The current fire alarm panel and system was installed in the early 80's and has started to show signs of failing. Over the last couple of months, the system has been going into trouble and having different components fail. The fire alarm company has let us know that with the age of the system parts are getting harder to find. They also let us know that we would likely have to replace the panel along with all the monitoring devices like smokes, heat, horns, etc.
33. 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.
34. CGS HVAC Upgrades  
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handler 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.
35. GHR HVAC Upgrades  
HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handler 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.

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HVAC upgrades would include items not covered under the Building Committee classroom unit ventilator replacement. Equipment would include Air handler 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.
38. DIST Mini-split unit 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.
39. CHS/CNH Install AC Units in the LGI and Lecture Hall  
Install new mini-split AC units to meet fresh air and air exchange standards. These spaces serve multiple purposes, including classrooms, staff meetings, and external group use. Units will be energy efficient and equipped with heat pumps.
40. 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.
41. 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. 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 Original Classroom Unit Ventilators.  
The original classroom HVAC equipment is reaching the end of its life expectancy and a replacement plan should be adopted. 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.

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43. 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.
44. 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.
45. 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. 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.
46. 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 it 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.
47. 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. The estimated price does not include the reconfiguring of the parking lot.
48. 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.
49. 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 5<sup>th</sup> grade wing and gym roofs were replaced in 2022.
50. 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.

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51. 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.

52. 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.

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