



# Pocantico Hills Central School District

Energy Performance Contract & Security review  
October 7, 2021

Day  
Automation

# Agenda

## Review activities to date

- Security
- Energy Performance Contract
  - Solar Update

## Next Steps



## Completed projects

- Wireless locks on entrance doors, classroom doors, and offices throughout the campus
- Card access – interior and exterior
- Video surveillance



## Current projects

- Tennis court security
  - Access control on (3) gates
  - Cameras on poles
  - Wireless access points
- Speakers for hallways
  - New display devices and speakers in hallways on 1<sup>st</sup> and 2<sup>nd</sup> floors

## Current projects

- Video surveillance project
  - Exterior and interior upgrades and additional cameras to cover various blind spots
  - Locations coordinated with administrative and security teams
  - Video collaboration with local law enforcement
  - Implementation of strategic video analytics

## **Scheduled initiatives**

- Speakers and display devices for large spaces (gym, auditorium, library) and hallways on 3<sup>rd</sup> and 4<sup>th</sup> floors
- Classroom display devices and speakers in capital work
- Wireless locks
  - On additional doors such as targeted areas and library
- All phases of current security initiatives will be completed by 2023

## **Proactive Safety Planning**

- Intrusion system upgrade
- Fire alarm upgrades
- Classroom Audio integrated to emergency notification
  - Discussion and development for Capital Project - Phase II

# EPC Update

- Building Envelope Improvements
  - All installation complete
    - Insulation, caulking, etc.
- LED Lighting Upgrade
  - All classrooms are fully upgraded to LED lighting with daylight harvesting, dimming control, and occupancy sensors
  - Remaining locations to complete are boiler rooms and maintenance shops; exterior lighting
  - Will be complete by 10/15/21

# EPC Update

- Building Automation Controls Upgrade
  - Fully upgraded, digital control system with updated software and interface
  - Heating is fully updated to new system
  - Collaborating with mechanical contractor to fix AC in library
- Solar (Photovoltaic) System Installation
  - Completion following roof installation
  - STEM
    - Present solar system to students (collaborative effort with staff)
    - Monitor will be installed to show up-to-date information on solar system and energy savings

# EPC Update (Savings Update)

- Conservatively, an additional \$70,000 in energy and associated savings from now until next year.
  - This includes savings from the energy management system upgrade, building envelope improvements, and LED lighting upgrade.
- Over the lifetime of the project, this additional \$70,000 actually increases your overall savings over the 18-year period of the project to over \$3.5 million (total energy savings) from originally projected \$3.43 million.



## Next Steps

- Monitoring progress of roof work
- Mobilize for solar installation
- Complete EPC
  - STEM initiative begins
  - Measurement and verification phase begins