

Ventilation (HVAC) Systems Upgrades in the Two Buildings

Background:

At the end of December, Congress passed another emergency funding measure for schools across the nation. Initial indicators suggest BK should expect more than four-times the amount of last May, or around \$540,815. We have not yet seen the guidelines, so we do not know what the funds can be used for. However, the CARES funding could be used for very broad purposes, including the following:

- Purchasing educational technology (including hardware, software, and connectivity);
- Providing mental health services and supports;
- Purchasing supplies to sanitize and clean facilities;
- Training and professional development for staff on sanitation and minimizing the spread of infectious diseases;
- Providing meals to eligible students;
- Providing technology for online learning to all students;
- Summer learning; and
- Other “unique needs”.

A very appropriate and accepted use for these federal funds is improving heating, ventilation, and air conditioning (HVAC) systems in school buildings. The automated HVAC system in Jacobson Elementary needs an upgrade. We asked for a proposal to upgrade this system. In their proposal, Trane would install

- Remote service capabilities and Trane Intelligent Services
- Updated web interface without Java graphics issues
- System commissioning to evaluate system performance and identify/recommend improvements
- Replace obsolete system-level controller
- Mobile app allows owner operations staff to easily interact with the control system while working on and troubleshooting equipment or when away from a PC workstation.
- Improved data logging and alarming capabilities
- BACnet compatible system controller allows for migration to current controllers or integration into a 3rd party control system.

The cost for this upgrade will be \$25,250.

Also, our elementary and secondary buildings are on two separate and incompatible systems. Trane will install a new Trane controller on our high school system for \$39,100.

Building and Grounds Director Cory Heifner will be at the meeting to discuss his proposal.

Recommended Action:

I recommend the board move to authorize the Trane proposals.