

## TVSD GESA HVAC Project - Website Update

The Twin Valley School District is set to begin work addressing heating, ventilation, and air-conditioning (HVAC) needs in all five District schools. There are several reasons the District has decided to proceed with this work at this time, which are as follows:

- Existing mechanical systems under consideration for this project are 20-30+ years old and at or beyond their useful life.
- Equipment targeted under this program has been well maintained; however, it is aged to a point where replacement equipment is warranted
- All District schools are experiencing control and comfort challenges associated with older equipment and controls as well as continued maintenance needs.

The installation of a current generation HVAC systems was the next logical step for consideration by the Twin Valley School District, and the solutions vary slightly by building. They include replacing existing HVAC systems with Dedicated Outdoor Air System (DOAS) units and 4-pipe unit ventilators in the classroom (and similar) areas and upgrading to existing heat pump/energy recovery ventilator systems. The benefits of these upgrades include improved control and comfort, improved humidity control, increased system efficiency, and reduced maintenance issues.

Work in 2022 will occur in the Twin Valley Elementary Center, the Twin Valley Middle School, and the Twin Valley High School.

Prior to the end of this school year, you will see the following activity in each of the schools listed below that are slated for work starting in the Spring of 2022:

### **Twin Valley Elementary Center**

No significant work until summer break.

### **Twin Valley Middle School**

Select work at night and on the weekends as follows:

- Removal of ceiling tile in corridors (including supporting of lights and devices in the ceiling).
- Field measurement for new duct work and piping and installation of those systems in corridors.
- Electrical conduit installation.
- Daily clean up.

*Note...If any LIMITED work is required in classrooms at night, arrangements will be made with the building principal and staff using that room.*

### **Twin Valley High School**

Select work at night/weekends as follows:

- Installation of natural gas lines and duct work on roof, which may occur during the day when approved by TVSD Administration,
- Removal of ceiling tile in corridors (including supporting of lights and devices in the ceiling).
- Field measurement for new duct work and piping and installation of those systems in corridors.
- Electrical conduit installation.
- Daily clean up

*Note...If any LIMITED work is required in classrooms at night, arrangements will be made with the principal and staff using that room*