

JBC Monthly Status Report – October

DHS–CTC Building Project

- HMFH has continued to meet with each department at the high school and CTC in order to refine classroom needs.
- On October 27th the committee unanimously decided to have HMFH move forward with planning for a distribution system that would support either of the following two options.

1. Dehumidification displacement ventilation diffusers with perimeter hot water heating radiation 2. 100% outside air gas-fired heating/direct expansion dehumidification CV ventilating units with energy recovery 3. 100% outside air gas-fired heating/direct expansion cooling units with energy recovery with terminal chilled/hot water coil induction units 4. Gas-fired heating/direct expansion cooling VAV RTU's with energy recovery and demand ventilation controls 5. High efficiency gas-fired condensing central boiler plant 6. High efficiency air-cooled chiller plant
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1. Dehumidification displacement ventilation diffusers with perimeter hot water heating radiation 2. 100% outside air gas-fired heating/direct expansion dehumidification VAV ventilating units with energy recovery with terminal VAV boxes with CO2 controls 3. 100% outside air gas-fired heating/direct expansion cooling units with energy recovery with terminal chilled/hot water coil induction units 4. Gas-fired heating/direct expansion cooling VAV RTU's with energy recovery and demand ventilation controls 5. High efficiency gas-fired condensing central boiler plant 6. High efficiency air-cooled chiller plant

- Although Geothermal has been taken off the table, HMFH continues to look into other renewable energy sources that the school can utilize in tandem with the main HVAC system.