

Fremont City Schools  
HVAC COMMITTEE MEETING  
Thursday, February 5, 2009  
9:00 a.m.

Attending:

Dave Chambers	Gordon Keck	Curt South
Tim Ellenberger	Larry Logsdon	Dr. Kim Theller
Jim Fails	Dr. Traci McCaudy	Jim Wagner
Red Haslinger	Matt Sudhoff, Fanning-Howey	Mark Weltin

1. Power Point Presentation (see attached) – HVAC Systems comparisons. The group’s purpose is to make a recommendation to the Board of Education on a HVAC system.
2. Larry Logsdon was introduced as a new committee member. Matt Sudhoff, Fanning-Howey, attended the meeting in the absence of Tim Lehman. Mark Weltin also joined as a new committee member.
3. Four types of systems: VAV (4 variations), VRV, Chilled Beam (active beam), and Geo-Thermal (separate or combined with other system)
4. OSFC funding of HVAC is approximately \$20 SF. HVAC System Type vs. Installed Cost: blue shaded bar on the graph is base-line; the green shaded bar indicates uncertain cost. Geo-thermal cost includes complexity of site conditions.
5. Operating Cost: costs determined at today’s utility rates; variables can be how the building is used and how much the system is controlled. VAV w/Ice & Displacement: operating cost not identified as it would be based on whether there is a demand charge through the utility provider.
6. Maintenance Cost: pros and cons for each system. “Red” shaded areas on the chart are less favorable system factors; “green” shaded areas are more favorable.
7. Answers to previously submitted questions were reviewed.
8. Committee members chose to look further at the following preferred systems: Chilled Beams, Chilled Beams w/Geothermal, VRV, VRV w/Geothermal, and Geothermal Heat Pumps.

1 Atch – PowerPoint Presentation

cc: BOE  
Chris Moore, Touchstone  
Madison Dowlen, OSFC