

**MONTROSE AREA SCHOOL DISTRICT**  
**ENERGY AD HOC COMMITTEE MEETING**  
**ADMINISTRATIVE OFFICES**  
**MEETING DATE OCTOBER 22, 2009 4:00 P.M.**

Chris Tripp, Chairperson

Energy Ad Hoc Committee Meeting

October 22, 2009 Meeting began at 4:00 PM in the Administrative Offices of the Montrose Area School District.

Ad Hoc Committee Members present included Joe Reynolds and Rich Niederberger

Administrators present included Mike Ognosky, Michelle Lusk and Craig Owens.

There were no Board members present.

**OLD BUSINESS:**

**Update on Current Initiatives:** The following items were discussed regarding current initiatives recommended by the Committee:

- **HVAC Projects:** The current HVAC projects at the three school buildings are 90 % complete. Air Temp will have a few rooms to tie into the Automatic Logic System at Choconut Valley and will do that work over the Thanksgiving break as it is work that can't be done while the room is occupied. Air Temp also has a bit of work to do with the graphics system in the software for Chris Tripp in order to make the handling of the software a bit easier.
- **Installation of the wind gauge @ JSHS:** Chris contacted Ray Heisey, Airevolution Wind System, Inc., and they have provided us with an updated quote for the work. The Business Office will then process the initial payment for the work and the equipment will then be put in place to conduct the study. I have included a copy of the quote, payment schedule and equipment to be utilized with the minutes. This is in line with the amount approved by the Board in May.

**NEW BUSINESS:** The following items of New Business were discussed at the meeting:

- **Potential New Projects:** Chris Tripp reviewed a number of potential new projects that have been identified by the group in the past few meetings:
  - **Hand Dryers:** Chris has identified a number of areas where we have the potential to place air hand dryers in lieu of the current paper towel dispensers. He would like to add hand dryers in the faculty restrooms and a few other isolated bathrooms in the buildings – such as the bathrooms at Lathrop Street across from the main office. Chris would like to utilize these trial areas in order to measure the noise they create prior to making a recommendation to place them in any classroom areas.
  - **Motion Sensor Placements:** Chris has identified 27 locations in the Junior –Senior High School alone where it would be cost effective to place motion sensor lighting. Those areas include storage rooms, bathrooms, copier rooms, faculty room, prep areas in the Science classrooms, etc. He has found many times in those “common areas” where lights are left on and nobody is in the room.
  - **Additional upgrades to the Heating System @ JSHS:** The committee would like to continue the upgrade of the univents at the JSHS in year two of that project next summer. The plan would be to replace all of the univents in the rooms down the industrial arts, music rooms, gymnasiums, office area and the junior high wing.

- **Choconut Domestic Hot Water:** Rickie is doing diagnostic work on the hot water system at Choconut Valley. Initially, it was thought this would be an easy upgrade in order to make the system more efficient, but in the initial walk through Rickie found that there are other areas that also depend on that system. He will report back to the group at a future meeting.
  - **Gym Lighting:** The group feels that strong consideration should be given to replacing the current lighting in the JSHS main gymnasium with T-8's. Each of the current halite lights would be replaced with a 6 light high bay. The project has a 2.7 year payback – which is exceptional. The halite lights are 400 watts while the 6 light high bays are about 160 watts.
  - **Heating System Upgrades in the Elementary Schools:** The modulators at both of the elementary schools should be tied into our current Auto Logic System. This would be a rather simplistic project at a very low cost.
- **Conference Update from Chris Tripp:** Chris Tripp and Mike Ognosky reviewed the details of their attendance at the recent Energy Education Conference in Atlanta. They attended sessions on HVAC operation, effective communication regarding the program, effective utilization of the logger instruments, the benefits of the four day work week during summer operations, effective monitoring of a building heating and boiler system, etc.

#### **OPEN FORUM:**

Rich Niederberger asked if the utilization of the lights at the JSHS Stadium had been addressed with the custodians. Mr. Ognosky replied that he had talked to Mr. Clapper and a procedure is in place to begin the turning on of the light towers no earlier than 45 minutes prior to darkness. The lights have to be turned on at 15 minute intervals or they will blow the circuit. That time factor is the latest the process can begin without blowing the circuit.

Meeting adjourned at 5:00 PM

**Mike Ognosky**