

MONTROSE AREA SCHOOL DISTRICT
ENERGY AD HOC COMMITTEE MEETING
ADMINISTRATIVE OFFICES
MEETING DATE MARCH 29, 2010 4:00 P.M.

Chris Tripp, Chairperson

Energy Ad Hoc Committee Meeting

March 29, 2010 Meeting began at 4:00 PM in the Administrative Offices of the Montrose Area School District.

Ad Hoc Committee Members present included Richard Niederberger and Joe Reynolds

Administrators present included Mike Ognosky and Chris Tripp (Energy Manager)

Board members present included Chris Caterson

OLD BUSINESS: There following items under Old Business Items were discussed at today's meeting:

- **Energy Star Certification for our Buildings:** Chris Tripp updated the group on the progress being made toward having our buildings certified under Energy Star. He explained that both Lathrop Street and the Junior-Senior High School will most likely qualify, but Choconut Valley (because it is an all electric building) will most likely not qualify. Energy Education is working with the District in regard to this certification and will absorb the cost as part of their services for the initial certification.

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

- **Preliminary Wind Study Data:** Chris Tripp reviewed the preliminary Wind Study Data that has been received by the district for the first four months of the full year study. Here is a summary of that data:

The numbers cover the months of January-March and are from two different locations – 80 feet high and 100 feet high. Here are the numbers from those months – the raw data averages are in meters/second and they have then been converted to miles/hour. Typically, to be considered a viable location for a windmill the averages should be at least 8 miles an hour with 12 miles an hour being the premium.

	Dec. 2009	Jan. 2010	Feb. 2010	March 2010	Average
80 ft	4.69 m/s	3.92 m/s	4.12 m/s	4.06 m/s	4.1975 m/s
Readings	10.51 mph	8.78 mph	9.23 mph	9.09 mph	9.4024 mph
100 ft	5.08 m/s	4.06 m/s	4.38 m/s	4.45 m/s	4.4925 m/s
Readings	11.38 mph	9.09 mph	9.81 mph	9.97 mph	10.06 mph

It was also suggested that the District consider a solar energy study as well measuring the potential for an alternative energy source for the future utilizing solar power. The company completing the wind study also does solar studies and Chris Tripp will get a cost estimate for the next Energy Ad Hoc meeting.

- **Summer of 2010 Potential Project Update:** Chris Tripp reviewed a number of potential projects for this summer – he explained to the group that there is a potential problem in the pipes leaving the boiler room and under Bob Davis' room – he listed the current projects under consideration but again cautioned that the priority will certainly be to address the pipe situation in the boiler room. At the next Energy Ad Hoc

Committee meeting, Rickie and Chris will present their findings regarding the boiler room pipe situation and the group will also prioritize the following list of projects for consideration by the Buildings and Grounds Committee:

- Next phase of the univent replacement in the Junior-Senior High School to include the area from the industrial arts hallway into the junior high wing.
 - Tie in of the modular buildings at the elementary school into the software control system
 - Replacement of univents in band room, back gym areas of the Junior-Senior High School
 - Placing of the domestic hot water on the software control system
 - Zone controlled pumps in the Boiler Room
 - Upgrade of the heating system in the High School Auditorium
 - Upgrade of the heating systems in the Cafeteria, Kitchen and Faculty room areas of the Junior-Senior High School
- **Energy Education Data Review:** Chris reviewed the most recent information from our Energy Education program:

Our cost avoidance for the month of February, 2010 was 32.1 % as compared to the base numbers established for that month in the program – a cost avoidance dollar number of \$18,917 – and a total of \$90,055 up to this point for the second year in the program (months of Oct 2009-Feb 2010). Our cost avoidance for Year 1 of the program (Oct 2008-Sept 2009) was \$144,860 – for a total of \$234,915. Over that period of time we have reduced our electricity costs by 28.9 % and our heating oil costs by 24.9 %. Electricity savings totaled \$136,799 and heating oil savings totaled \$98,116 for that same overall total of \$234,915.

OPEN FORUM: The following items were discussed during the Open Forum:

- Mike Ognosky informed the group that the companies that conduct the seismic testing for the gas companies have contacted the school and that testing on our grounds will most likely occur this summer. There are stipulations in our agreements limiting any such operations outside of 500 feet from buildings, water supplies and the stadium.

Meeting adjourned at 4:45 PM

Mike Ognosky

The next meeting is scheduled for Monday, April 26, 2010 at 4 p.m. in the Administrative Offices.