



## Spring 2010 Newsletter

*CASDEM's mission is to promote energy management in Colorado schools, to provide a means of sharing information on energy management issues related to schools, and to provide opportunities for cooperative efforts related to energy management among Colorado's school districts.*



**ENERGY STAR** – CASDEM Partnered with ENERGY STAR in September 2009. During the 2009 label year 114 Colorado schools have earned the prestigious ENERGY STAR building label. Colorado currently ranks 5<sup>th</sup> in the nation with 178 schools. Nationwide 2,580 K-12 schools have earned the label. CASDEM members responded to a recent survey asking them about their progress with the ENERGY STAR program. See the survey results on page 2.

**CASDEM Chairman** – Mark Ferguson, Energy Manager for Colorado Springs School District 11 officially takes over as Chairman in May. Mark is a PE and a Certified Energy Manager. Mark is married to Renee and has two daughters (Sonya 9 and Avery 12) and a baby boy due in July. His interests (other than energy) are family, projects around the house, traveling, cooking (mostly smoking and grilling meats), and playing poker with friends and family. Mark is currently personally installing a 4.3kW DC PV array on his home.



### **K-12 School District Energy Conservation Offices – Imperative during a down economy?**

After salary and benefits, energy and utility costs for Colorado school districts typically represent the second largest operating expense. Energy costs are not fixed costs! Much of the energy consumed is actually wasted. Recognizing these facts and developing a strategy to reduce energy use can drive utility costs down. Investment today in energy conservation projects pays dividends well into the future, especially with energy prices increasing year after year.

Mesa County School District has avoided paying \$625,791 in energy costs of since July 2007. Avoided energy costs are more than double the expenses to operate the energy conservation program.

School District energy conservation offices all over the State of Colorado are typically responsible for auditing and paying the utility bills. Many thousands of dollars are saved each month through the bill auditing process. In addition, utility costs are avoided by raising awareness about how energy is used in school buildings and by gaining community participation in conservation activities like turning out lights and through careful scheduling of HVAC systems. Further, many thousands of dollars are brought into the district through grants and rebates offered by our utility providers and state offices. Lastly, energy conservation offices work on projects to replace older inefficient equipment with the latest high efficiency models.



**Honoring our Members** – At the January meeting in Canon City, CASDEM members joined together to honor Bill Chambers, Douglas County School District’s Director of Facilities, prior to his retirement this June. Bill was a founding member of CASDEM while with the Aurora Public School District, Bill moved to Douglas County Schools in 2003. Congratulations Bill on your retirement! Thank you for your leadership and service to CASDEM!

**Future Meeting** – Mark your calendars! The next CASDEM meeting is being planned for Thursday, May 6<sup>th</sup> at Douglas County School District. The meeting will be hosted by Lee Smit, Energy Manager at Douglas County School District. If you have an idea for one of our upcoming meetings please contact incoming Chairman Mark Ferguson at [fergumj@d11.org](mailto:fergumj@d11.org)

**Web Page Updates** – Be sure to stop by the CASDEM webpage for news updates, local events, new tools and resources. [www.casdem.org](http://www.casdem.org) Please consider including a logo and web page address for your school district.

**Energy Star Labeled Building & Plants – Colorado K-12** – *Continued from page 1*

| <u>School District</u>                     | <u>#Facilities (PM*)</u> | <u>Labels</u> | <u>PM Average</u> | <u>Energy Reduction</u> |
|--|--------------------------|---------------|-------------------|-------------------------|
| <b>Academy School District 20</b>          | <b>26</b>                | <b>10</b>     | <b>61</b>         | <b>12.0%</b>            |
| • Leader: Air Academy High                 | PM Score: 96             | EUI: 39.8     |                   |                         |
| <b>Adams 12 School District</b>            | <b>46</b>                | <b>7</b>      | <b>78</b>         | <b>17.0%</b>            |
| • Leader: North Star Elementary            | PM Score 98              | EUI: 49.0     |                   |                         |
| <b>Colorado Springs School District 11</b> | <b>57</b>                | <b>22</b>     | <b>63</b>         | <b>6.5%</b>             |
| • Leader: McAuliffe Elementary             | PM Score 98              | EUI: 23.1     |                   |                         |
| <b>Cañon City (Fremont) RE-1</b>           | <b>10</b>                | <b>4</b>      | <b>88</b>         | <b>12.7%</b>            |
| • Leader: Harrison School                  | PM Score 94              | EUI: 39.5     |                   |                         |
| <b>Cherry Creek School District 5</b>      | <b>43</b>                | <b>18</b>     | <b>74</b>         | <b>7.9%</b>             |
| • Leader: Greenwood Elementary             | PM Score 100             | EUI: 56.5     |                   |                         |
| <b>Mesa County School District 51</b>      | <b>49</b>                | <b>26</b>     | <b>75</b>         | <b>16.7%</b>            |
| • Leader: Redlands Middle                  | PM Score 97              | EUI: 40.1     |                   |                         |
| <b>Poudre Valley School District</b>       | <b>52</b>                | <b>34</b>     | <b>79</b>         | <b>4.2%</b>             |
| • Leader: Rice Elementary                  | PM Score 100             | EUI: 37.6     |                   |                         |

\*PM – ENERGY STAR’s Portfolio Manager database number of facilities that have energy and attribute information entered.