



Meeting Minutes

September 5, 2013

Denver Public Schools Training Center

Mercury Room

2700 W. 7th Avenue

Denver 80204

<http://goo.gl/1eWKB4>

1. Welcome and Refreshments

2. Attendance

- Stu Reeve, PSD
- Patty Crow, EPA
- Kate Gregory, EPA
- Dara Ward, SVVSD
- Jim Faes, DPS
- Craig Wright, APS
- Michael Thomas, Denver Water
- Mark Cassalia, Denver Water
- Pat McGuckin, Cadmus (EPA Consultant)
- Darel Leedy, DPS
- Brad Leitner, Littleton
- Tim Stanford, APS
- Neil Case, District 11
- Romas Zableckas, WCSD 6
- Matt Throop, WCSD 6
- Melanie Gavin, Xcel Energy
- Jeff Medwetz, BVSD

3. Plan future meeting locations & topics

- a. November 7: Xcel Energy, Denver
- b. January 9: St. Vrain Valley School District
- c. March 6: Aurora Public Schools
- d. May 8: TBD
- e. July 10 (Seminar): TBD
- f. Possible topics: dashboards (BVSD current RFP), behavior, demand mgmt., power mgmt., best practices, IT & data Ctr mgmt., project updates, energy use/cost bench marking for 2012/2013, & LED lighting/rebates, facility team building/R-Cx.

4. EPA Energy Star Updates / New Portfolio Manager Website Q&A

Patty Crow, US EPA Region 8

<http://www.energystar.gov/buildings/training>

New PM launch (handout & PPT). Beware of defaults. Browser compatibility. Sharing permissions & levels have changed. Meter gaps/overlaps accountability. Data migration still being cleaned up. Sustainable schools checklist. TF & Design tab under PM tab. Updated weather data with more weather stations. Training & webinars. Update contact list in PM. SSP list on PM web site. SEP, need to shrink PDF's. Technical reference guide on line.

5. Xcel Energy Update

Melanie Gavin, Account Manager

AFEC conference (e-mail coming). New billing look, new credit card max limit is now \$3K/month by account. Xcel Foundation donations to schools - nonprofit access to application on line (\$350k in metro area alone). PUC & net-metering/PV rate debate. Motor rebate now requires the old motor data.

6. Water Efficiency and Drought Response for School Districts

Mark Cassalia & Michael Thomas, Denver Water

Best mgmt. practices for school drought response & water conservation (PPT). 438 schools in Denver Water service area, set the example for the community. Supply challenges from 2012 drought & good April/early May 2013 snow pack. Water budgets from utilities for school district (follow up with FCU on this concept & example for future water restriction protocol). DPS reduced water use by 20% this year. GIS mapping for priority levels at each site & each irrigation zones. Weekly site checks & feedback by facilities staff. Good weather conditions helped. Protection of trees/shrubs. Created long term roadmap for water conservation opportunities. 80 school gardens in DPS. Gardens use less water than blue grass. Drip systems for gardens. Community education tools. Indoor & exterior water savings opportunities. Using gal/student/day (DPS = 9 gal) metrics for benchmarking/prioritizing opportunities. Auxiliary equipment (kitchens, refrigeration, cooling, etc.) impact on school year water use. Weekly feedback to water mgrs. Water mgr. training. Rebates & water efficient schools examples. Impact of athletics & coaches on water conservation. Flow meters on irrigation system zones & alarms on out of tolerance (10%) flows. AMI technology & tools for staff & interface to dashboards. DPS has \$1.7 M water budget & is increasing annually.

7. Colorado Energy Office Update

Emily Artale, PE, CEM; Energy Engineer, Trident Energy Services, Inc.; CEO Consultant

The Colorado Energy Office (CEO) helps Colorado K12 school districts improve building performance and comfort, and lower energy (and water) use and costs through the Energy Management Assistance Program (EMAP). EMAP is a step-by-step approach to developing and implementing a customized “home-grown” energy management plan. Through EMAP, CEO works with schools to develop energy goals, outline a strategy to meet those goals, perform feasibility level energy assessments, and support implementation at no charge.

8. Roundtable

a. Pat McGuckin, Cadmus – EPA Consultant

The Colorado State Land Board manages a \$600M School Trust Fund. The interest earned on Fund investments is used to provide grants in support of public education. Right now, schools benefit only from the grants, but why not have schools benefit directly from the investments as well? If the Fund invested in EE/RE projects at schools, the energy savings could be used to repay the Fund with interest. The schools would benefit from a brighter and more comfortable environment that’s conducive to learning, and would also enjoy much lower operating costs once the Fund was repaid. The Fund would earn a safe and attractive return that could be used to provide the usual grants.

Perhaps CASDEM would be interested in being a supporter of this idea?

*Thank you Jim Faes and DPS for hosting the meeting and generously providing food and refreshments!
Thanks to Stu Reeve for meeting minutes.*