



## CASDEM Meeting Minutes November 5, 2009

**Colorado School of Mines – General Research Lab**  
1300 Maple Street  
Golden, CO 80401

Review Meeting September 2<sup>nd</sup> meeting minutes

### **Energy Star Updates - Patty Crow**

- Energy Star Challenge Campaign – Now in 7<sup>th</sup> place. 77 apps pending for 214 to put us in 4<sup>th</sup>. 3<sup>rd</sup> = 215.
- Colorado upcoming training sessions
  - Performance Contracting and Financing – December 2<sup>nd</sup> 11:00 – 12:30
  - Setting Energy Use Targets with Energy Star – January 13<sup>th</sup> 11:00 – 12:30
- Distributed list of engineers available for labeling

### **Xcel (Vladimir Jones) – George Hayward**

- Lights out lunch – December 11<sup>th</sup> noon to 1:00 ([LightsOutLunch.com](http://LightsOutLunch.com)) could win lunch with Chauncey Billups or ??? Av's player.

### **School Dude – Brian Stone and Michael Glines**

- Utility Direct
  - Importance of billing audits
  - Behavioral change
    - Incentive programs
    - Competition through reporting
  - Energy presentations available at [schooldude.com/energy](http://schooldude.com/energy)
  - Colorado Micro-site – [Pages.SchoolDude.com/co-energy](http://Pages.SchoolDude.com/co-energy)
    - Brian is looking for stories to share

### **GEO – Joel Asreal**

- Grants
  - Available to help schools with energy tracking
  - Available to help with Energy Star Labeling

## **Community Power Corporation & Colorado Forest and Energy - Phil & Diana Kastelic**

- Modular Bioenergy systems [www.gocpc.com](http://www.gocpc.com)
  - 2.5 tons of woodchips produce ~100kWh, 600,000 btu/h of heat and diesel with no harmful effluents.
  - Byproduct is high quality ash that can be used for fertilizer
  - Carbon neutral energy production
- Gasification Systems
  - Downdraft Gasification – requires air control
  - Low cost
  - High efficiency due to combined heat and power use
  - Check out California walnut farm
- Colorado Forest and Energy [www.colofe.com](http://www.colofe.com)
  - Educational opportunities
  - Outdoor lab opportunities

## **NREL Tour**

- Noted building features, PV development lab, wood fired heating system