April 2010 Volume III, Issue III

Energy Report

Newsletter for the Central Pennsylvania Chapter of The Association of Energy Engineers

About the Central PA Chapter:

- Local Chapter meetings held throughout the year (except July & August).
- Monthly meetings generally include a speaker on a “hot” energy topic coupled with a plant tour.
- Network with industry peers.

Inside this issue:

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- Board of Directors
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- Directions
- CPAEE Membership
- Schedule of Events

APRIL 2010 MEETING NOTICE

AEE Central PA Chapter
April 15, 2010 Meeting Announcement

Event: Dickinson College Tour
Showcasing Implemented Sustainability Improvements

Speakers: Kate Consroe, Dickinson Sustainability Coordinator
Bill Shoemaker, Biodiesel Shop Supervisor

Location: Dickinson College
Holland Union Building (HUB)
Carlisle, PA 17013

Date: Thursday, April 15, 2010

Schedule: 8:00 am – Registration and Networking
8:30 am – 11:00 am – Tour and Presentations

Registration:
To register, contact Randy Kohler
Deadline is Monday, April 12th
1-800-453-2554 x7485 or
kohlerr@syntec.carlisle.com

Cost: Registration is $25 for CPAEE members,
$30 for non-members
Morning coffee and treats will be provided
About the Speaker

**Kate Consroe**,  
Sustainability Coordinator  
Dickinson College  
Carlisle, PA

Kate is the current Sustainability Coordinator for Dickinson College in Carlisle, PA. In this position, she works as a liaison between Facilities Management and the College community on issues relating to sustainability and works to ensure the most sustainable campus operations possible. She also works with other sustainability staff to connect the operations of the College to the academic experience, and plans programs and events to “green” the campus culture. Most recently, Kate helped to complete Dickinson’s Climate Change Action Plan. She is a 2009 graduate of Dickinson, with a BS in environmental science and a math minor. As a student, she interned with the Office of Sustainability for a full year, helping to complete the first greenhouse gas inventory and organizing programs to encourage sustainable student behavior.

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**Board Of Directors**

*If you are interested in serving on the Board of Directors or participating in Chapter events, please contact one of the Directors listed below.*

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<tr>
<th><strong>Chapter Board Officers</strong></th>
<th><strong>At-Large Board Members</strong></th>
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| Program/  
Education: Randy Koller  
Carlisle SynTec, Inc. | |
| Website/  
Newsletter: Thompson McConnell, CAP, CEM, CSDP, CDSM, CEA  
Powerhouse Operations Inc.  
webmaster@aee-centralpa.org | |
About the Program

Location and Parking

Registration will be in the Holland Union Building, 28 North College Street, Carlisle, PA 17013. You can park at Kaufman Hall, 400 West North Street, Carlisle, PA 17013. You can enter the parking lot from Cherry Street.

Schedule

8:00-8:30 am  **Registration**
Holland Union Building (HUB), Side Rooms 202-203
Continental breakfast

8:30-9:00 am  **Overview of sustainability at Dickinson**
HUB, Side Rooms 202-203
Kate Consroe, Sustainability Coordinator

9:00-9:45 am  **Tour of Rector Science Complex**
Rector Science Complex Atrium
Frank Laquitara, Associate Director for Projects

9:45-10:05 am  **Solar Wheeler (solar-powered golf cart)**
Plaza in front of Rector Science Complex
Matt Steiman, Assistant director of the College Farm
Sam Wheeler ’10

10:05-10:15 am  **Walk to Facilities Management**, passing the Treehouse and Kaufman Hall
Kate Consroe, Sustainability Coordinator

10:15-11:00 am  **Biodiesel Shop Tour**
Facilities Management
Bill Shoemaker, Biodiesel Shop Supervisor
About the Program (continued)

Tour Preview

Rector Science Complex

- LEED Gold
- Completed in 2008
- 90,000 square feet
- Features an energy recovery wheel that captures heat of exhausted air to
  pre-heat/pre-cool incoming air to reduce energy demand for heating and cooling
- Architect: Zimmer Gunsul Frasca Architects

![Diagram of energy recovery wheel]

The Center for Sustainable Living, aka the Treehouse

- LEED Gold
- Completed in 2006
- 1,800 square feet
- Based around 3 existing rowhouses
- Features a gray water system for flushing the toilets
- The great room utilizes passive solar heating and a corn pellet stove
- Architect: Spillman Farmer Architects

The Solar Wheeler, a solar-powered golf cart

- Constructed by Sam Wheeler ’10 during Summer 2009
- Features three BP 165 watt modules, connected in parallel and eight deep cycle 6
  volt batteries, each with 225 amp hour capacity
- Produces 6 amps at 24 volts in full sun;
- Battery can also be charged with an on-board AC plug in charger
Mark Your Calendars — May Meeting Preview

Plan to join us for our May 12th meeting, a joint ASHRAE / CPAEE event, an educational program and tour to be held at Carlisle SynTec in Mechanicsburg. The afternoon event will include a tour of the solar installation at Carlisle SynTec, and a tour of the manufacturing facilities at this same location.

Additional information will be provided in our next newsletter, and on our website at www.aee-centralpa.org.

Directions To The Meeting

Directions to
Dickinson College
Holland Union Building (HUB)
Carlisle, PA 17013

From Points South, East:
• Take I-283 N towards I-81/I/83/Harrisburg
• At Turnpike interchange, merge onto I-76 W toward Pittsburgh
• Take exit, EXIT 226 to merge onto Harrisburg Pike/US-11 S, toward Carlisle
• Turn right at W High Street
• Turn right at N College Street; the HUB will be on the left

Alternate, Non-Toll Roads:
• Take I-283 N towards I-81/I/83/Harrisburg
• Merge onto I-81 S toward Carlisle
• Take Exit 41A, to 581 toward Camp Hill
• On PA 581, continue onto US-11S to exit 1B on left, merge onto I-81 S
• Take exit 52 for US-11, keep right at fork, merge onto Harrisburg Pike
• Turn right at W High Street
• Turn right at N College Street; the HUB will be on the left
CPAEE MEMBERSHIP FORM

Prefix: ____________________________
First Name: ________________________
Last Name: _________________________
Title: ____________________________

If you are a registered Professional Engineer or Architect, please indicate state(s) and registration number(s):
Number: __________________________
States: ____________________________
Number: __________________________
Years experience: ____________________

Education
University: _________________________
Degree: ____________________________
Field: ______________________________

Payment Information:
Payment Method: Check or Cash ONLY
Purchase Order Number: N/A
Acct. Number: N/A
Name as it appears on card: N/A
Expires: N/A

Central PA Membership dues are $35 per year.

Checks Payable to:
Central Pennsylvania Chapter of AEE
Mail to: Michael Parker, Treasurer
230 South Lewisberry Road
Mechanicsburg, PA 17055
Globalcon 2010

The 2010 Globalcon conference will be held in Philadelphia, PA, on March 24th & 25th at the Philadelphia Convention Center. Globalcon 2010, presented by The Association of Energy Engineers, is designed specifically to facilitate those who need to get up to speed on the latest developments in the energy field, explore promising new technologies, compare energy supply options, and learn about innovative and cost-conscious project implementation strategies.

www.globalconevent.com

Future Topics

Would you like a say in what topics are covered at future AEE Meetings? Take our survey of potential topics. The link to the survey is available on our “News” web page.

http://www.aee-centralpa.org/news.htm

Chapter Schedule of Events (2009-2010)

August 19, 2009  Schaedler-Yesco  Lighting Technologies  Energy Star Webinar
  Harrisburg, PA                   

September 17, 2009  Harrisburg, PA  Demand Response & Co-gen  Enginuity’s NEW Energy Center

September 24, 2009  Harrisburg, PA  Felisita Golf Course  Golf Outing

November 17, 2009  Schaedler-Yesco  Demand Response, Peak-Shaving, and  Cogeneration
  Harrisburg, PA                   

December 3, 2009  Iron Hill Brewery  Holiday Social
  Lancaster, PA                   

January 21, 2010  Schaedler-Yesco  PA Act 129
  Harrisburg, PA                   

February 18, 2010  Johnson Controls  Financing Energy Conservation Projects
  New Cumberland, PA

March 11, 2010  Enginuity Energy  Energy Efficient  Electrical Equipment
  Mechanicsburg, PA                   

April 15, 2010  Dickinson College  Sustainability and Energy
  Carlisle, PA  Improvements

May 12, 2010  Carlisle Syntec  Joint ASHRAE / CPAEE Meeting
  Solar Installation at Carlisle Syntec

June 17, 2010  Armstrong World Ind.  Energy Star Webinar
  Lancaster, PA  Driving Responsible Energy Use