

Center for Power Systems Studies  
Semiannual Meeting  
MINUTES  
Sioux Falls, SD - April 21, 2005

---

1. **Call to Order:** Steve Hietpas called the meeting to order at approximately 1:00 pm
2. **Recording Secretary:** Mike Sydow
3. **Roll Call:**

Wayne Knabach – SDSU Arlyn Lindsay – Marshall Municipal Utilities Corey Kasuske – Sioux Valley Electric Larry DeKramer – East River Electric Coop. Mike Sydow – NorthWestern Energy Dan Olson – Western Area Power Admin.	Steve Hietpas - SDSU Jerry Tielke - MRES Ralph Hagge – Cannon Technologies John Knofczynski - HCPD Lloyd Linke – WAPA Travis Everson – Interstates Engineering
--	---
4. **Approve Agenda:** John Knofczynski moved and Ralph Hagge seconded to accept the agenda as submitted. Motion carried.
5. **Approve Minutes of Sept. 20<sup>th</sup>, 2004 Annual Meeting:**  
Jerry Tielke moved and Larry DeKramer seconded to accept minutes. Motion carried.
6. **Coordinator's:**
  - **Semiannual Report:** See report included in packet. Some of the highlights were:
    - October 19, 2004 CPSS Conference Summary:
      - Increased conference attendance over 2003.
      - Energy Conversion class students submitted reports on one of the presentations, which were graded by conference committee members.
    - Teaching activities and student participation:
      - Courses taught by Mike Ropp:
        - Electronics II with 14 students.
        - Linear Control Systems with 24 students
      - Courses taught by Steve Hietpas:
        - Circuits II with 28 students.
        - EE Tools with 11 students.
        - Power Systems Analysis I with 11 students.
    - Scholarly or research activity including:
      - Mike Ropp and Steve Hietpas attending a NSF workshop on teaching Power Systems Analysis in February of 2005.
      - Mike Ropp:
        - NSF – CAREER projects over the next four years.
        - Initiated a new photovoltaics project in AK.
        - Continuing four power-related graduate student projects.
        - Continued to operate the Wind Resource Assessment Network.
      - Steve Hietpas:
        - Serves on the paper review committee for IEEE Rural Electric power Conference.
        - Serves on the review committee of IEEE Transactions on industrial Applications associated with the Rural Electric Power Conference
        - Advised two graduate students on design, thesis papers, and research/scholarly-related activity.

Center for Power Systems Studies  
Semiannual Meeting  
MINUTES  
Sioux Falls, SD - April 21, 2005

---

- Scholarship Activity:
  - Recipients for Spring 2005
    - Seniors: Daniel McMahon, Jesse Walter
    - Juniors: Wes Wingen, Cody Anderson, Chris Iverson, Jack Winter, Austin Hoekman (recipient of the \$3,000 CPSS Award for 2005 – 2006 year)
    - Sophomores: Corey Kramer, Trevor Howard, Molly Houck, Patrick Cisar, Lowell Dolney
    - Freshman: Michael Winne
  - Recipients for Fall 2004
    - Seniors: Daniel McMahon, Jesse Walter (recipient of the \$3,000 CPSS Award for 2004 – 2005 year), Justin Dewald
    - Juniors: Wes Wingen, Jack Winter, Chris Iverson, Cody Anderson
    - Sophomores: James Galipeau, Austin Hoekman, Cody Anderson
    - Freshmen: Corey Kramer
  
- Graduating Students (Fall and Spring) and Summer 2005 Intern Positions
  - Fall 2004 Graduates – 11
  - Spring 2005 Graduates – 15
  - Summer Power Student Interns - 10
  
- Summer Activity:
  - Mike Ropp:
    - Wind Resource Assessment Network
    - Supervise eight graduate students on various projects.
    - NSF – CAREER award.
  - Steve Hietpas:
    - Supervise two students on their design efforts.
    - EE Program Coordinator in June and July.
    - Power technology tour in August.
  
- **Thank You Letters:**
  
- Letters of financial award appreciation received from: Austin Hoekman, Michael Winne, Trevor Howard, Cody Anderson, Douglas Larson, Molly Houck, Patrick Cisar, Jared Clark, Derek Bryant, James Galipeau, and Jack Winter.

7. **New Business:**

- **CPSS Student Project for 2005/2006:**
    - Mike Sydow moved and Lloyd Linke seconded to accept the Design and Construction of a Converter System using 500W Fuel Cell proposal for the 2005-2006 Student Project.
- Discussion:
- Introduction of the proposed project.
    - 6 – 10 hrs/wk required by each student
    - Proposed budget of \$1000

Motion carried.

Center for Power Systems Studies  
Semiannual Meeting  
MINUTES  
Sioux Falls, SD - April 21, 2005

---

- **2005/2006 Proposed Budget:**

Lloyd Linke moved and Corey Kasuske seconded to accept the Proposed Budget

Discussion:

- 2004 – 05 Actual adjustments made, or to be made, discussed.
- Field Trip financial implications and plans represented.
- Salary Support requirements and plans discussed.
- Research and Development plans discussed.
- Overall budget funding proposal, including identification of source of funding, discussion.

Motion carried.

8. **2006 CPSS Regional Power Conference**

John Knofczynski offered review on topics, presentations, accommodations, and challenges.

Discussion also included the possibility of combining conference opportunity with IEEE (Siouxland Section).

9. **Date for fall 2005 Annual Meeting and Regional Power Conference**

The Annual business meeting will be held on October 18<sup>th</sup> at the SDSU USU.

Several possible topics were suggested for the meeting including: 1) Power plant expansions, 2) hybrid vehicles, 3) methane recovery, Dakota wind study, student presentations, and a CapEx 2020 presentation.

10. **Appreciation:** Thank you to Missouri River Energy Services for hosting meeting.

11. **Adjourn:** The meeting adjourned at approximately 2:12 pm.

Respectfully submitted,

Mike Sydow, NorthWestern Energy

Recording Secretary

April 21<sup>st</sup>, 2005

Typed and submitted September 16, 2005