

Center for Power System Studies
Semiannual Meeting
MINUTES
April 25, 2002 – Madison, SD

Prior to Meeting

1. **Deans COE Report:** Some highlights include: Please refer to the Dean's Report.
2. **EE Department Report:** Dr. Helder presented the report for the EE Department. Some highlights include:
 - Undergraduate enrollment is still at the 6-year high at 177 students.
 - Graduate student enrollment peaked last year (32) with 28 students this year.
 - Based on exit interviews, most undergraduates tend to stay in the Upper Great Plains (63 percent) with 25 percent staying in SD.
 - A new course entitled "Introduction to Electrical Engineering" is being developed for second-semester freshman as a way to improve retention in EE.
 - There are three major areas of research in the EE department: Satellite image characterization (Dr. Helder and Mr. Dewald), materials and sensors (Dr. Galipeau), and power systems and alternative energy (Drs. Hietpas and Ropp). Five to 7 graduate students are involved in each area.
 - EE department faculty continues to be involved in local, national and international activities.

Meeting

1. **Call to Order:** Steve Hietpas called the meeting to order at 1:15 p.m.
2. **Recording Secretary:** John Knofczynski, Heartland Consumers Power District
3. **Roll Call:** The attendees introduced themselves.

Steve Hietpas – SDSU, CPSS Coordinator

Members

George Colombe – East River Electric Power Cooperative
John Knofczynski – Heartland Consumers Power District
David Westbrook – Heartland Consumers Power District
Mary Zanter – Mid America Energy
Chad Orris – Mid American Energy
Greg Vaselaar – Western Area Power Administration, Huron
Ed Weber – Western Area Power Administration, Billings

Associate Members

Ralph Hagge – Cannon Technology

4. **Approval of Agenda:** Greg Vaselaar moved and Mary Zanter seconded to accept the agenda as submitted. Passed on unanimous voice vote.
5. **Approval of September 19th, 2001 Minutes of Annual Meeting held in Brookings, SD:** There was a brief discussion concerning the minutes. Greg Vaselaar moved and Ralph Hagge seconded to approve the minutes as submitted. Motion passed on voice vote.
6. **Membership Update:** Steve Hietpas circulated the current membership list and asked those present to update the list for their organizations and if possible update the list for other members or associate members that were not present.

Steve referred a letter he received on February 6, 2002 from Jay Dring at Nebraska Public Power District requesting associate membership in the CPSS. Mary Zanter made a motion to accept

Center for Power System Studies
Semiannual Meeting
MINUTES
April 25, 2002 – Madison, SD

NPDD as an associate member of the CPSS. The motion was seconded by Greg Vaselaar and passed by unanimous voice vote.

7. **Coordinator's Report:** Steve Hietpas reviewed the report with the following highlights.
- The Energy Laboratory has been a big undertaking but significant progress has been made. The lab should be entirely functional by this fall. . The project is a one-of-a-kind. As far as Steve is aware, it is the only power lab in the country that will be completely designed and constructed by students.
 - Steve reviewed the scholarships and emphasized the importance of scholarships to the college and the students. Steve noted the thank you letters from the scholarship recipients included with the meeting packet.
 - Steve is trying to do a better job of tracking student graduations and places of employment. There are several talented spring power graduates that are currently seeking employment.
 - Steve also reviewed the list of summer interns and students involved in summer projects. Again, there are several talented students that will be graduating within the next year.
 - Please refer to the Coordinator's Report to review the numerous projects and activities supported by Steve.
8. **Report on Student Project 2002-2003:** The Student Project includes the design and construction of a bi-directional AC/DC converter (proposal included in meeting packet). Steve Hietpas briefly described the project, possible uses and benefits of the project, and the project budget. David Westbrock made a motion and Ralph Hagge seconded to approve funding for labor and expenses for the project as proposed. Motion passed on voice vote.
9. **Report by Conference Committee:** Greg Vaselaar and Mary Zanter reported on the plans for the conference. The conference will be held on the SDSU campus on September 17. The Conference Committee would like to have six speakers for the conference. They currently have three speakers committed to speak on the following topics:
- Soy-based transformer oil.
 - Regional Transmission Organizations (RTOs).
 - Distributed generation interconnection requirements.
- Other possibilities for topics include fuel cells, biomass generation, and superconductivity.
- A date of July 1, 2002 has been set as the date to have the program finalized. Once the program has been finalized, Steve can begin promoting the conference.
10. **Report on 2002-2003 Proposed Budget:** Since no member of the Budget Committee was present, Steve reviewed the budget. Associated members ABB T&D Company and the US Army Corps of Engineers will likely not retain their membership in the CPSS. Interstates Electric & Engineering has indicated they will re-establish their Associate membership. Nebraska Public Power District was also shown as a new Associate Member. Total projected income for the 2002-2003 fiscal year was shown as \$30,500. No changes are proposed in the membership dues at this time.

Total proposed expenses for the 2002-2003 fiscal budget were also \$30,500. As of July 1, 2002, Steve anticipated a balance of \$7,285.10 and projects a balance of \$3,000 on July 1, 2003.

Center for Power System Studies
Semiannual Meeting
MINUTES
April 25, 2002 – Madison, SD

Steve noted the income from “Alumni, Miscellaneous” under the “Other” category comes from donations during the Phonathon. Steve encourages the Members and Associate Members to consider directing their donations to CPSS.

Motion was made by Ed Weber (standing in for Lloyd Linke) to accept the proposed budget. Motion was seconded by Mary Zanter and passed by voice vote.

- 11. Meeting Date for Annual Meeting (fall): September 17th & 18th (Tues. & Weds.).**
- 12. Motion to Express Appreciation to Host Organization -- HPCD:** Greg Vaselaar made the motion, which was seconded by George Colombe. Motion passed on voice vote.

Meeting adjourned at 2:35 p.m.

Respectfully submitted,

John Knofczynski
Recording Secretary
April 25, 2002