

Center for Power Systems Studies
Annual Meeting
MINUTES
Brookings SD – October 20, 2004

1. **Call to Order:** Steve Hietpas called the meeting to order at approximately 8:30 a.m.

2. **Recording Secretary** Jay Dring volunteered

3. **Roll Call:**

John Knofczynski – Heartland Consumers Power District
Jim Edwards – East River Electric Power Cooperative, Inc.
Greg Vaselaar – Western Area Power Administration
Wayne Knabach – SDSU
Jerry Tielke – Missouri River Energy Services
Dr. Steve Hietpas – SDSU
Dave Schneider – Basin Electric Power Cooperative
Dr. Lewis Brown – SDSU
Ralph Hagge – Cannon Technologies
Jay Dring – Nebraska Public Power District
Dick McComish – Electrical Consultants, Inc.

4. **Approve Agenda:**

Jim Edwards moved and Greg Vaselaar seconded to accept the agenda as submitted. Motion carried.

5. **Approve Minutes of April 29th semiannual meeting:**

Ralph Hagge moved and Greg Vaselaar seconded to accept minutes. Motion carried.

6. **Coordinator's:**

- **Annual Report:** See report included in packet. Some of the highlights were:
 - * **Summer of 2004: Faculty and Student Summer Projects/Research Update**
Dr. Steve Hietpas supervised two graduate students working on power electronic motor drives this summer. Each has been actively implementing/integrating dSPACE hardware/software systems within their designs.
 - * Mike Ropp worked with several undergraduate students on projects associated with his NSF Career grant, coordinated efforts with respect to the WRAN sites, and took a dozen students on a field trip to the West Yellowstone Park to install a new PV array.
 - * Steve Hietpas worked for the Dennis Helder through parts of the summer on the Ethanol project.
 - * **Fall 2004 – Power-Faculty Course Update was given**
 - * **Fall 2004: Scholarship Activity and Update**
 - * Scholarship Activity – Seniors – Daniel McMahon, Justin Dewald, Jesse Walter; Juniors – Jack Winter, Wes Wingen; Sophomore – Chris Iverson, Cody Anderson; Freshmen – Corey Kramer, Austin Hoekman, James Galipeau. Spring 05 applications are being submitted within the next six weeks.
 - * **Status of Power Students**
Nate Jones – Southern Minnesota Municipal Power Agency; Kevin Doe – Cannon Technologies, MN; Mike McBride – WAPA, Huron; Paul Woodruff – Looking in the Boston area; Robert Soper – WAPA, Huron; Michael Runck- AGCO, Jackson, MN - - Of 11 students that graduated in the spring, 4 declared power as their career path, which is 36% of the graduating seniors. From spring 2000 to present, 18 of 88, or 20.4% of SDSU EE graduates have either obtained or are pursuing a career in power.
 - * **Review of CPSS Impact**

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- * The student interest in the power area remains at a healthy level. Those activities which have the greatest impact on attracting students to the power area are: CPSS scholarships; Internship opportunities; Design projects relating to electric power area and power electronics; Special Speakers (Annual Banquet), Field Trips and the Power Technology Tour; Power System course offerings. The major component that helps to retain our power students are the internship opportunities. Over the last several years numerous CPSS companies have been able to offer such positions, which have had a wonderful impact on the program.
- * **Positions in Power Industry** – In the last month the following companies have contacted us to post positions on our EE website and are actively seeking to fill full-time engineering positions within their company. I) Black Hill Power; ii) Interstates Company; iii) POWER Engineers; iv) Minnesota Power; v) Allegheny Electric Cooperative
- * **Research Activity by Dr. Hietpas and Dr. Ropp**

- **CPSS Student Project Update**

3 Students – Dan McMahon, Jay Tolle, Jared Clark – DC to AC inversion
this is the next step after AC – DC conversion last year

- **Membership List Update:**

Steve Hietpas passed around the current membership list and asked those present to update the list.

New contact person NW Energy – Mike Sydow – representative

7. **Who's Who in Power Engineering:**

Wayne Knabach is working on a who's who document that lists graduates and where they are located. Please review list and mark up changes as needed. Get an electronic form for information to route at your company or an URL on websites – CPSS
This information may be managed by the endowment foundation in the future.

8. **Selection of New Conference Committee Member:**

John Knofczynski (Heartland Consumers) remains
Greg Vaselaar (WAPA) is replaced by Ralph Hagge – Cannon Technologies

2 year commitment – now conferences are bi-annual

9. **Special Project Committee:**

Corey Kasuske (Sioux Valley Energy) remains
Chad Orris (MidAmerican Energy) is replaced by Mike Sydow – if accepts (Dr. Hietpas to contact)

Possibly ask Steve Arbach – if Mike can't

10. **Budget Committee:**

Lloyd Linke (WAPA) remains
Jim Edwards (East River Electric) is replaced by Vance Crocker – if accepts (Dr. Hietpas to contact)

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11. *New Business:*

2003-2004 Financial Report:

Jim Edwards moved and John Knofczynski seconded to accept the agenda as submitted.

Discussion:

Dr. Hietpas

Reviewed Revenue and Expenses

Correction on end of FY 03 / 04 date

Jim Edwards commented approximately \$24,000 of budget goes directly to students

General comment on Safety Awareness for the students for field trips and projects

Motion carried.

12. *Review of 2004 Regional Conference and Planning for next Bi-annual Conference*

Reviewed surveys from conference

Students will be writing papers on the session they attended and committee chairs, John and Greg will assist with grading.

Need to coordinate with Siouxland Chapter for next conference. (action- Dr. Hietpas)

13. *Place/Date for spring 2005 Semiannual Meeting*

MRES has offered to host the semiannual meeting on April 21st of 2005

New office I229 & Louise

14. *Adjourn:*

The meeting adjourned at approximately 10:40 a.m. with a motion by Jerry Tielke and seconded by Jim Edwards. Motion carried.

Respectfully submitted,

Jay Dring, Nebraska Public Power District
Recording Secretary
October 20, 2004
Typed and Submitted November 5, 2004