1. **Call to Order:** Steve Hietpas called the meeting to order at approximately 3:35 pm.

2. **Recording Secretary:** Jay Dring - Nebraska Public Power District.

3. **Roll Call:**
   - Steve Hietpas    CPSS Coordinator – SDSU
   - Dave Muggli      Basin Electric Power Cooperative
   - Larry DeKramer   East River Electric Power Cooperative
   - Dana Ralston     MidAmerican Energy Company
   - Dawn Grider      Missouri River Energy Services
   - Mike Sydow       NorthWestern Energy
   - Rick Johnson     Otter Tail Power Company
   - Todd Meyers      Western Area Power Administration
   - Ted Smith        Sioux Valley Energy
   - Blair Metzger    DGR and Associates, Co.
   - Jay Dring        Nebraska Public Power District

   *Members not represented:* Black Hills Corporation, Heartland Consumers Power District, Xcel Energy

4. **Approve Agenda:**
   - Mike Sydow moved and Dana Ralston seconded to accept the agenda as submitted.
   
   Motion carried.

5. **Approve Minutes of April 25th, 2008 spring meeting:**
   - Dana Ralston moved and Ted Smith seconded to accept minutes.
   
   Motion carried.

6. **Coordinator:** The Coordinator’s Report was included in the meeting packet. Some of the highlights of the report included:

   - **Summer 2008: Faculty and Student Summer Projects/Research Update**
     - **Hietpas:**
       - Student Orientation June and July
       - Program Assessments matters
       - Preparation for 2009 ABET (accreditation) visit
       - Assist with design tasks for new Engineering Building
       - Planning for 2008 CPSS Regional Power Conference
       - Supervised MSEE students-FPGA based induction motor, permanent magnet AC motor drive, fault location for distribution systems.
       - Panelist at ONR/EPRI/AEP – sponsored faculty summer workshop
       - Serving on Board of South Dakota Electrical Council
       - Reviewed papers for IEEE transactions on Education, IEEE REPC, IEE and ASEE

   - **Ropp:**
     - Wind Resource Assessment Network, working on new proposal for long term funding and possibly a different structure for WRAN
     - Helped establish Wind Application Center (WAC) at SDSU
Center for Power Systems Studies
Fall Meeting
MINUTES
Brookings SD – October 20, 2008

- Supervised one MSEE student and the first Ph.D. graduate power student
- Advised power related Senior Design Project (Background PV Battery Charger), currently working on 3 more projects (Ultra capacitor Storage or PV, PV charger)
- Complete another PV in the Parks project for Spring/Summer 2010
- Completed the DOE Renewable Systems Integration (RSI) project
- Presenter at November 2008 Minnesota Power Conference
- Serve on the board of South Dakota Energy Infrastructure Authority

**Power – Faculty Course Update**

**Hietpas:**
- Fall 2008
  - EE 420/420L (3-1 cr) Electronics III and Lab, 7 students
  - EE 430/430L (3-1 cr) Electromechanical Systems and Lab, 21 students
- Spring 2009
  - EE 221/221L (3-1 cr) Circuits II and Lab
  - EE 315/ (3 cr) Linear Control Systems

**Ropp:**
- Fall 2008
  - EE 320/320L (3-1 cr) Electronics I and Lab, 16 students
- Spring 2009
  - EE 434/434L (3-1 cr) Power Systems and Lab

**Scholarship Activity**
- Recipients for Fall 2008: Wicks, Lowe, Bockorny, Kramer, Graff, Galinat, Boese, Wulf, Groninger, Cozine, Duffy, Dold, Mekuria

**Status of Power Students – Graduated Fall 2007/Spring,Summer 2008**
- Patrick Cisar – Larson Binkley, Overland Park KS
- Lowell Dolney – Nebraska Public Power District, Columbus NE
- Curtis Greenfield – Interstates Engineering
- Russell Halgerson – Peoples Cooperative Services, Minnesota
- Molly Houck – WAPA, Huron SD
- Trevor Howard – WAPA, Huron SD
- Ryan Jensen - Nebraska Public Power District, Brownville NE
- Derek Bryant - Nebraska Public Power District, Norfolk NE
- Aaron Giddings – ABB
- Mathew Tesch – Ulteig Engineers, Fargo ND

Note – 29 students graduated in 2007-2008 with 10 obtaining employment in the power sector (~34%). Since the spring of 2000 to present, 50 of 232 (~22%) of SDSU EE graduates have pursued careers in the power industry.

**Review of CPSS Impact**
- CPSS Scholarships
- Internship and/or Cooperative opportunities
- Power System Analysis and Lab (EE434/434L)
- Applied PV and Lab (EE436/436L)
- Power Technology Tour
- PV in the Parks Field Trip
- Biannual Regional South Dakota Power Conference
- Mini-Power Job Fair
CPSS Sponsored Design Projects
Fall Awards Banquet

- Membership Activities
  - Currently 10 member companies and 18 associate members
  - Ulteig Engineers became an associate member starting 2008-2009
  - In discussions with ABB – Pete Famighetti

- Who’s Who – //cpss.sdstate.edu
  - Update your information as needed

7. Conference Committee:
   Outgoing member: Ralph Hagge (Cannon)
   2008-2009: Nate Jones (Heartland Consumers)
   2008-2011: Steve Arbach (NorthWestern Energy)

8. Special Project Committee:
   Outgoing member: Terry Texley (WAPA)
   2008-2009: Ted Smith (Sioux Valley Energy)
   2008-2010: Scott Mallard (WAPA)

9. Budget Committee:
   Outgoing member: Blair Metzger (DGR)
   2008-2009: Mike Sydow (NorthWestern Energy)
   2008-2010: Rick Johnson (Otter Tail Power Company)

10. Old Business:
    - Conference Update and Mini Power Job Fair Update
      - Approx. 59 attendees at this year’s conference, representing 22 companies
      - The following companies participated in the Mini-Power Job Fair – Ulteig Engineers, Interstates Engineering, WAPA, NPPD, Otter Tail Power Company, Cooper Power Systems
    - 2008-2009 Budget Report:
      Mike Sydow moved and Dave Muggli seconded to accept revised 2008-2009 budget.
      Motion carried.
11. **New Business:**

- **New Member Application – Minnesota Power:**
  Dana Ralston moved and Mike Sydow seconded to accept Minnesota Power as a Member of CPSS starting July 1 in FY 2009-2010.

  Motion carried.

- **Member and Associate Member of the Year Process Review**

  Mike Sydow moved and Larry DeKramer seconded to form a committee to propose ideas on selecting future Member and Associate Member of the Year award recipients.

  Discussion: The group felt an awards committee of CPSS members should be created to propose a process of selecting Member and Associate Members of the Year.

  There was a question raised – was the award intended to be given to a company or an individual – answer – both.

  The following CPSS members will be on this committee and determine the best way to carry this proposal forward:
  
  - Mike Sydow (NorthWestern Energy)
  - Ted Smith (Sioux Valley Energy)
  - Dawn Grider (Missouri River Energy Services)

  Motion carried.

- **Research/Projects at SDSU and the CPSS**

  No motion on this item. NOTE – Dr. Hietpas will work with the CPSS special project committee on this item and determine if there are projects more closely related to power industry applications.


  Motion carried.

- **Place/Date for 2009 Spring Meeting – April 16, MidAmerican Energy, Sioux City**

12. **Adjourn:**

   The meeting adjourned at approximately 5:20 pm with a motion by Dana Ralston and seconded by Ted Smith.

   Motion carried.

Respectfully submitted,

Jay Dring, Nebraska Public Power District
Recording Secretary
October 20, 2008
Typed and Submitted October 31, 2008