



## **Critical Infrastructure Protection Committee Meeting**

March 16–17, 2006  
Mesa, Arizona

### **Meeting Minutes**

A regular meeting of the Critical Infrastructure Protection Committee (CIPC) was held on March 16–17, 2006 in Mesa, Arizona. The meeting notice, agenda, and attendance list are affixed as **Exhibits A, B, and C**, respectively. Meeting presentations that are publicly available may be found at: <http://www.nerc.com/~filez/cipmin.html>.

Vice chairman Barry Lawson presided.

Secretary Stanley Johnson announced that a quorum was present and confirmed the following proxies:

- 1) Nathan Mitchell for Mike Hyland
- 2) Michael Brytowski for Dave Kulissek
- 3) Ivan McClelland for Stuart Brindley
- 4) Todd Thompson for Tom Bowe
- 5) Lyman Shaffer for James Sample

### **Antitrust Guidelines**

The secretary reviewed the NERC Antitrust Compliance Guidelines.

### **Introductions**

The committee members and guests introduced themselves.

### **Logistics**

The secretary reviewed the meeting arrangements, site requirements, and agenda adjustments.

### **Parliamentary Procedures**

The secretary reminded the attendees of the use of proper parliamentary procedures.

### **Agenda**

The CIPC members approved the meeting agenda moved by Carl Eng, seconded and passed with no dissenting votes.

### **Minutes**

The CIPC members approved the minutes of the December 8–9, 2005 meeting, moved by Bob Windus, seconded and passed with no dissenting votes.

## **CIPC Executive Committee Report and Actions**

Barry Lawson reported on the January 2006 Partnership for Critical Infrastructure Security (PCIS) meeting attended by Stuart Brindley. The National Infrastructure Protection Plan (NIPP), National Assets Database, and risk assessment methodologies were discussed. The base NIPP is expected to be released in May 2006 with the specific plan for the energy sectors to be issued six months later.

A spring 2006 meeting of the Electricity Sector Coordinating Council with the Government Energy Coordinating Council is being planned. Topics will include the appropriate procedure for changing the Electricity Sector (ES) Physical and Cyber Threat Alert Levels, the sector specific NIPP, the feasibility study for the development of a transmission monitoring system, and other subjects. Senior DHS personnel will also be in attendance. Note: The meeting was held on May 4, 2006 and will be discussed at the June 20–21, 2006 CIPC meeting.

## **NERC Update**

The current status of the Electric Reliability Organization (ERO) application and the new NERC program based organization was discussed.

## **Electricity Sector Information Sharing and Analysis Center (ESISAC)**

Lou Leffler provided an update on ESISAC activities. The DHS Cyber Storm 2006 communications focused exercise was conducted February 6–9, 2006. The exercise was heavily focused on communication and information sharing. The ES participated and observed as reliability coordinators, balancing authorities, load serving entities, and the ESISAC. Several significant lessons learned regarding emergency communications were discussed. While still under development, The Homeland Security Information Network (HSIN) was used extensively and successfully during the exercise, also with lessons learned to improve HSIN functionality.

The Critical Infrastructure Warning Information Network (CWIN) has been deployed to 11 reliability coordinators and the ESISAC. Additional locations are expected; training and testing will proceed.

The joint Department of Energy (DOE) / Federal Energy Regulatory Commission (FERC) report to Congress for the Energy Policy Act 2005 Section 1839, Transmission Monitoring System was briefly discussed. NERC is working with the DOE and FERC to scope a path forward. CIPC and the Operating Committee will be involved as this initiative proceeds.

The National Security Telecommunications Advisory Committee's Telecommunications Electric Power Interdependencies Task Force (TEPITF) presented its near-term report; this includes recommendations for communications between the Electricity and Communications sectors and designation of utility personnel as "emergency responders" during emergencies. The TEPITF is now working on the issue of long term outages that will focus on dependencies and interdependencies of the electricity and community sectors.

Stan Johnson reported on the Blue Cascades III exercise conducted in the Pacific Northwest, on March 1–2, dealing with infrastructure response to a devastating earthquake. Improvement areas identified included restoration, priorities, dependencies, individual role clarity, and the need to establish and maintain relationships between critical infrastructure sectors, law enforcement, and other federal, state, and local agencies.

## **Security Guidelines**

The Security Guidelines Working Group (SGWG) recommended review of seven security guidelines during 2006 and seven others during 2007. The CIPC approach will use existing working groups and task forces or specifically charged task forces to conduct the reviews and recommend revisions.

The SGWG recommended a modification to the security guideline preamble; this was moved by Chuck Noble, seconded and passed unanimously as:

“This document addresses potential risks that can apply to some electricity sector organizations and provides practices that can help mitigate the risks. Each organization decides *for itself* the risks it can accept and the practices it deems appropriate to manage its risks.”

Seiki Harada was thanked for his contributions; Scott McCoy will assume the chair of the SGWG.

## **Cyber Security Standards**

Larry Bugh reported on the Cyber Security Standards CIP-002-1 through CIP-009-1 ballot status. The standards passed the first ballot and the second ballot will be completed March 24, 2006. The applicability of the standards beyond control centers was noted. The posted implementation plan will not be changed. Note: The cyber security standards passed the second ballot and were approved by the NERC board on May 2, 2006.

## **Outreach**

Wally Johnson and Larry Bugh reported on the Cyber Security Standard Education Team proposed standard education effort for the ES. The path forward will be to develop a three module course. Module One will be a basic overall NERC/ERO review. This is being developed for other workshops and will be available at those venues and through cyber security standard webexes to be scheduled in June and July. Module Two will be developed for workshop presentation to deal specifically with the CIP-002-1, the risk assessment approaches, and identification of critical cyber assets associated with critical bulk electric system assets. Module Three will deal with CIP-003-1 through CIP-009-1, and compliance issues. Modules two and three will include what to expect in an audit.

A request for proposal (RFP) will be written for development and delivery of education modules and associated materials that will be used in workshops and ES entities for their own training. Note: The selected vendor is Dyonyx.

The workshop (modules two and three) will be held in ten cities in the August to December period.

## **Control Systems Security**

Tom Flowers reviewed the Control Systems Security Working Group activities toward development of documents dealing with zero day event detection, incident response, and information security.

The paper, “Top 10 Vulnerabilities of Control Systems and Their Associated Mitigations – 2006” was reviewed, modified, moved by Tom Flowers, and passed by a vote of 31–1, for public availability after NERC format review by technical writers.

Hank Kenchington presented the “Roadmap to Secure Control Systems in the Energy Sector”. This document is available at: <http://www.controlsystemsroadmap.net>

CIPC members were requested to thoroughly review this document for consideration to **vote to endorse**, at the June 2006 meeting, the roadmap as the path forward for the ES, together with the other energy sectors to secure control systems now and in the future.

Bob Hill, Idaho National Labs, reported on the SCADA Summit.

### **Indications, Analysis, and Warning (IAW) Program**

Nominal changes were made to the IAW program in 2005 and the current program has been signed by DHS and NERC. The program is currently under substantive review. A progress report is planned for the June 2006 meeting, with approval by CIPC anticipated at the September 2006 meeting.

### **Homeland Security Information Network (HSIN)**

Carl Eng, Julie Silberger, and Greg Holland reported on the status of the HSIN project including mechanics and development of the registration process. Carlos Kizzee discussed the Memorandum of Understanding (MOU) and the End User Agreement (EUA) that are included in the agenda materials. He also discussed the status of originator control (ORCON) as provided for in the developing application of PCII to HSIN.

**Motion 1**—moved by Carl Eng, seconded and passed with a vote of 23 yes, 2 no, and 7 abstentions. CIPC recommends NERC execute with DHS the Memorandum of Understanding for use of HSIN by the ES.

After extensive discussion, the question of proceeding with the End User Agreement was called with a vote of 25 yes, 6 no, and 1 abstain.

**Motion 2**—moved by Carl Eng, seconded and passed with a vote 24 yes, 7 no, and 1 abstention. CIPC recommends proceeding with the End User Agreement as part of the HSIN registration process.

The EUA is an agreement (made during registration) between DHS and individual HSIN users regarding HSIN mechanical use, not inclusive of any posting requirements. The CIPC Executive Committee recommended to CIPC that the EUA be sent to the CIPC, Operating Committee, American Public Power Association, Canadian Electricity Association, Edison Electric Institute, National Rural Electric Cooperative Association, and signatories to the NERC data confidentiality agreement for information and comment. Comments should be sent to NERC.

The HSIN registration and training (likely by webex) will be discussed at the June 2006 CIPC meeting. The current secure messaging system (Critical Infrastructure Protection Information System) will remain in use and parallel operation for some subsequent time period.

### **Hurricane Experiences**

Presentations of the 2005 hurricane season were made by Ron Landry on Lafayette Utilities System experiences and lessons learned (presentation available on request to NERC) and by Stan Johnson on the DOE After Action Report from The Energy Leadership Forum held in January.

## **Dual Site Energy Control Center**

Tom Glock presented on his utility's experience regarding primary center shutdown and restart testing.

## **Pandemic Document**

Stan Johnson reported on the CIPC approval by email ballot of the Influenza Pandemic Summary and Influenza Pandemic Reference Guide, available at: <http://www.nerc.com/~filez/cipfiles.html>

One concern expressed was how to deal with critical infrastructure emergency responders' capability to serve during a pandemic emergency.

## **Agency Reports**

*U.S. Department of Homeland Security* (DHS) — Paul Carrier discussed improvements to the secured briefing scheduled for June 20, increase in copper thefts from utility facilities, Cyber Storm exercise, and threat level changes.

*U.S. Department of Energy* (DOE) — Matt Rosenbaum made a brief report for DOE.

*Public Safety Emergency Preparedness Canada* (PSEPC) — Joan Egan discussed the change in government in Canada, Cyber Storm exercise, cross border interdependencies, consensus building for Canadian CIP strategy, and the initiation of a Canadian Cyber Security Task Force.

*Federal Energy Regulatory Commission* (FERC) — Regis Binder discussed the ERO filing, two new commissioners being appointed by the president.

## **Incident Report**

Tom Eells reported on the activities in the midwest by the so-called "Dr. Chaos" and his current incarceration.

## **Appreciation**

Ken Hall was thanked for his contributions over many years to CIPC and the security of the ES.

## **Closing**

Vice chairman Barry Lawson closed the meeting at 4:00 pm on March 17, 2006

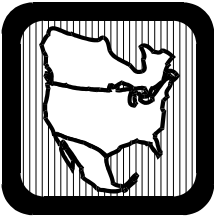
## **Future Meetings**

September 13–15, 2006: Cambridge, MA (with AGA/EEI)

December 6–8, 2006: Houston, Texas or Tampa, FL (with NERC).

Respectfully submitted,

Stanley L. Johnson  
NERC Staff



## NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

January 26, 2006

TO: PLANNING COMMITTEE  
 OPERATING COMMITTEE  
 CRITICAL INFRASTRUCTURE PROTECTION COMMITTEE  
 STANDARDS AUTHORIZATION COMMITTEE  
 REGIONAL MANAGERS  
 NERC ROSTER

Ladies and Gentlemen:

I have listed the March 15–17, 2006 Operating, Planning, Critical Infrastructure Protection, and Standards Authorization Committees' meeting logistics and registration link in the table below. The meetings will be held at the Phoenix Marriott Mesa, 200 N. Centennial Avenue, Mesa, AZ 85201. (Phone: 480-898-8300, Fax: 480-964-9279).

You can click on the “details” link in the table to access the hotel information and click on the “registration” link to register for the meetings. The schedule of meetings is attached.

**You MUST respond by February 20, 2006. EVERYONE must register online.**

Date & Time	Group	Staff	City	Registration Link	Details
3/15/2006: 9:00 AM - 12:00 PM	PC/OC/CIPC Joint	Don Benjamin John Twitchell	Mesa	<a href="#">Register</a>	<a href="#">Details</a>
3/15/2006: 1:00 PM - 5:00 PM 3/16/2006: 8:00 AM - 12:00 PM	PC	John Twitchell	Mesa	<a href="#">Register</a>	<a href="#">Details</a>
3/15/2006: 1:00 PM - 5:00 PM 3/16/2006: 8:00 AM - 12:00 PM	OC	Don Benjamin	Mesa	<a href="#">Register</a>	<a href="#">Details</a>
3/16/2006: 8:00 AM - 5:00 PM 3/17/2006: 8:00 AM - 12:00 PM	CIPC	Lou Leffler	Mesa	<a href="#">Register</a>	<a href="#">Details</a>
3/16/2006: 12:00 PM - 5:00 PM 3/17/2006: 8:00 AM - 5:00 PM	SAC	Bill Lohrman	Mesa	<a href="#">Register</a>	<a href="#">Details</a>

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PLANNING COMMITTEE  
OPERATING COMMITTEE  
CRITICAL INFRASTRUCTURE PROTECTION COMMITTEE  
REGIONAL MANAGERS  
NERC ROSTER  
JANUARY 26, 2006

Meeting logistics:

- Room rate: \$179 single/double occupancy, \$127 govt. rate
- Room block: Nights of March 14-16, 2006
- Hotel cut-off date: Monday, February 20, 2006
- Check-in: 4 p.m., Check-out: noon
- Sky Harbor International Airport name (PHX): Approximate driving time is 20 minutes and distance is 12 miles.
- Super Shuttle service is available at baggage area. (\$13 approx.) Taxi: (\$26-\$35 one way).
- Dress code: Business casual

When making your hotel reservation, please be sure to mention the “NERC/North American Electric Reliability Council” meeting to get the preferred rate and to ensure your reservation is credited to the NERC room block. The hotel may charge NERC a penalty if the total rooms blocked for this event are not picked up. Also, if you use a travel agency for your travel plans, please make sure the agency mentions NERC.

Please let me know if you have any questions regarding the registration process.

Sincerely,

*Rocio Wong*

Rocio Wong

Meeting Coordinator

Attachment

PLANNING COMMITTEE  
 OPERATING COMMITTEE  
 CRITICAL INFRASTRUCTURE PROTECTION COMMITTEE  
 REGIONAL MANAGERS  
 NERC ROSTER  
 JANUARY 26, 2006

**PC, OC, CIPC & SAC Meeting Schedules**  
 (Includes other associated NERC meetings)

Tuesday, Mar. 14			Wednesday, Mar. 15	Thursday, Mar. 16	Friday, Mar. 17
			<b>RM &amp; committee officers</b> 7-9	<b>OC</b> 8-noon	
			<b>JOINT SESSION</b> 9-noon	<b>PC</b> 8-noon	<b>CIPC</b> 8-noon
<b>TSC</b> 4-5:30			<b>OC</b> 1-5	<b>CIPC</b> 8-5	
<b>OC EXEC</b> 5:30-7	<b>RM</b> 5:30-7	<b>PC EXEC</b> 5:30-7	<b>PC</b> 1-5	<b>SAC</b> Noon-5	<b>SAC</b> 8-5
			<b>CIPC EXEC</b> 5-7		

**Exec – Executive Committee**  
**Joint – Joint PC/OC Meeting**  
**OC – Operating Committee**  
**CIPC– Critical Infrastructure Protection Committee**

**PC – Planning Committee**  
**RM – Regional Managers**  
**TSC– Technical Steering Committee**  
**SAC – Standards Authorization Committee**

**TUESDAY-3/14/06**

TSC 4 p.m. to 5:30 p.m.  
 RM 5:30 p.m. to 7 p.m.  
 PC Exec 5:30 p.m. to 7 p.m.  
 OC Exec 5:30 p.m. to 7 p.m.

**WEDNESDAY-3/15/06**

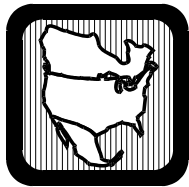
RM 7 a.m. to 9 a.m.  
 Joint PC/OC/CIPC 9 a.m. to noon  
 Joint PC/OC/CIPC Luncheon noon to 1 p.m.  
 OC 1 p.m. to 5 p.m.  
 PC 1 p.m. to 5 p.m.  
 CIPC Exec 5 p.m. to 7 p.m.

**THURSDAY-3/16/06**

OC 8 a.m. to noon  
 PC 8 a.m. to noon  
 CIPC 8 a.m. to 5 p.m.  
 CIPC Luncheon noon to 1 p.m.  
 PC Exec (CIPC Luncheon) noon to 1 p.m.  
 SAC noon to 5 p.m.

**FRIDAY-3/17/06**

CIPC 8 a.m. to noon  
 SAC 8 a.m. to 5 p.m.



**Business Casual Attire**

## NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

### Critical Infrastructure Protection Committee

Wednesday, March 15, 2006 — 9 a.m. to noon (Joint with PC and OC)

Thursday, March 16, 2006 — 8 a.m. to 5 p.m.

Friday, March 17, 2006 — 8 a.m. to noon

Phoenix Marriot Mesa  
200 N. Centennial Avenue  
Mesa, Arizona

***(PLEASE BE PREPARED TO STAY FOR THE ENTIRE MEETING.)***

### Meeting Agenda

#### 1. Administrative Matters (30 minutes)

- a) Arrangements — Stan Johnson
- b) Announcement of quorum — Stan Johnson
- c) Procedures — Stan Johnson
- \*d) NERC Antitrust Compliance Guidelines — Stan Johnson
- e) Parliamentary procedures — Stan Johnson
- f) Introduction of members, alternates, and associates — Stan Johnson
- g) **Approval** of agenda — Barry Lawson
- \*h) **Approval** of December 8–9, 2005 CIPC meeting minutes — Barry Lawson

#### 2. Information Items

- a) CIPC Executive Committee report — Barry Lawson (**10 minutes**)
  - 1. Electricity Sector Coordinating Council update
    - a. NIPP discussion
    - b. Scheduling ESCC-GCC meeting for late April
- b) NERC report — Lou Leffler (**20 minutes**)
- c) ESISAC report — Lou Leffler (**20 minutes**)
  - 1. Exercises Update
    - \*a. Cyber Storm — Lou Leffler
    - b. Blue Cascades III — Stan Johnson
- d) Electric Reliability Organization formation process update — Gerry Cauley (**45 minutes**)

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- e) Working groups and task force 2006–2007 plans (**30 minutes**)
  - 1. CIPC Organization Review — Stan Johnson
  - 2. Brief update of current activities — working group/task force Chairs

### 3. Security Planning

- a) Cyber Security Standards: CIP-002-1–009-1 — Larry Bugh (**15 minutes**)
- b) Outreach Working Group — Walter Johnson (**60 minutes**)
  - 1. CIP-002-1–009-1 workshops
- c) Control System Security Working Group — Tom Flowers (**20 minutes**)
  - 1. CSSWG Update
    - a. Information security
    - b. Zero Day event detection
    - c. Incident response
  - \*2. Top 10 Vulnerabilities of Control Systems and Their Associated Mitigations – 2006 (expected to be presented for approval)
  - 3. “Roadmap to Secure Control Systems in the Energy Sector” — Hank Kenchington  
**Link:** <http://www.controlsystemsroadmap.net> (**45 minutes**)
    - a. Overview of the Roadmap
    - b. At the June meeting, the CIPC Executive Committee will be asking members to:
      - endorse the Roadmap document
      - endorse that the CIPC Executive Committee provide oversight regarding the implementation and evolution of this document, through its role as the Electricity Sector Coordinating Council
  - 4. SCADA Summit–review and potential initiatives — Mike Assante

### 4. Security Operating

- a) Indications, Analysis, Warnings Working Group — Larry Bugh (**5 minutes**)
  - 1. Program review
- b) Reporting Technology Working Group — Carl Eng and HSIN developers (**60 minutes**)
  - \*1. Review Homeland Security Information Network (HSIN) documentation
    - \*a. Memorandum of Understanding between DHS and NERC
    - \*b. Registration End User Agreement
  - 2. Set the path forward to establish approval process to proceed with HSIN-ES implementation
- c) 2005 Hurricane Season Lessons Learned (**45 minutes**)
  - 1. Ron Landry — Lafayette Utilities
  - 2. Stan Johnson — [Report on DOE conference](#)
- d) Power Down at Primary Control Center — Tom Glock (**15 minutes**)
- e) Influenza Pandemic — Stan Johnson (**15 minutes**)

### 5. Agency Reports (30 minutes)

- a) Department of Homeland Security
- b) Department of Energy
- c) Public Safety Canada
- d) Federal Energy Regulatory Commission

## 6. Closing

- a) Follow-up items and future actions — Barry Lawson (**10 minutes**)
- b) Future meetings — Stan Johnson

### 2006

- June 21–22, Washington, D.C.
- September 13–15, Boston, Massachusetts (with AGA/EEI)
- December 6–8, Houston, Texas or Tampa, Florida (with NERC)

## CIPC Meeting Attendees

March 16–17, 2006 Meeting

(V = voting member; P = proxy)

REPR	VOTE	POSITION	NAME	ORGANIZATION
APPA	V	Member	James Brewer	American Public Power Association
	P	Member:	Nathan Mitchell (for Mike Hyland)	American Public Power Association
CEA	V	Member	Dave Baumken	Hydro One
		Alternate	Seiki Harada	BC Hydro & Power Authority
	P	Alternate:	Ivan McClelland (for Stuart Brindley)	CEA
NRECA	V	Member:	Barry R. Lawson	NRECA
	V	Member:	Bob Richert	Hoosier
		Alternate:	Brad Hyland	Hoosier
ERCOT	V	Member: Cybr	Jim Brenton	ERCOT
	V	Member: Oper	Steve Myers	ERCOT
	V	Member: Phys	William Bojorquez	ERCOT
		Alternate: Cybr	Tom Flowers	CenterPoint Energy
FRCC	V	Member: Cybr	Brian Malfant	FRCC
	V	Member: Phys	Frank Prieto	FRCC
NPCC	V	Member: Cybr	Charles E. Noble	ISO New England
	V	Member: Oper	Roger Lampila	New York ISO
	V	Member: Phys	Bruce Metruck	New York Power Authority
		Alternate: Cybr	Brian Hogue	NPCC
MRO	V	Member:	David Batz	Alliant Energy
	V	Member: Phys	Scott McCoy	Xcel
	P	Alternate: All	Michael Brytowski (for Dave Kulissek)	MAPP
RFC	V	Member: Cybr	Larry Bugh	ECAR
	V	Member: Cybr	Linda Nappier	Ameren
	V	Member: Oper	Walter A. Johnson	PEPCO
	V	Member: Oper	Scott Moore	AEP
	V	Member: Oper	Eric Solberg	ATC
	V	Member: Phys	Robert H. Beahm	BGE
	V	Member: Phys	Pat Laird	Exelon
	V	Member: Phys	Michael Lynch	Detroit Edison
		Alternate: Cybr	Kurt Muehlbauer	Exelon
		Alternate: Phys	Tom Eells	We Energies
		Alternate: Phys	Scott Webber	Allegheny
	P	Alternate: Cybr	Todd Thompson (for Tom Bowe)	PJM
SERC	V	Member: Cybr	Jay S. Cribb	Southern Company Services
	V	Member: Oper	Carl Eng	Dominion
	V	Member: Phys	Robert D. Canada	Southern Company Services
		Alternate: Cybr	Dave Norton	Entergy
SPP	V	Member: Cybr	Kevin Perry	SPP
	V	Member: Oper	Allen Klassen	Westar Energy

	V	Member: Phys	Larry Dolci	KCP&L
		Alternate: Cybr	Joe Doetzi	Great Plains Energy
WECC	V	Member: Oper	Tom Glock	APS
	V	Member: Phys	Robert L. Windus	Bonneville Power Administration
		Alternate: Oper	Jack Bernhardsen	PNSC
		Alternate: Phys	Robert Sypult	WECC
	P	Alternate: Phys	Lyman Shaffer (for James Sample)	PG&E/WECC
NERC	-----	Secretary	Stanley L. Johnson	NERC
		Staff	Louis G. Leffler	NERC
		Associate	David Batz	Alliant Energy
		Associate	Regis Binder	FERC
		Associate	Laurence Brown	EI
		Associate	Paul Carrier	Department of Homeland Security
		Associate	Joann Cooper	American Electric Power
		Associate	Joan Egan	PSEPC
		Associate	Mark Engels	Dominion
		Associate	John Fridye	Reliant Energy
		Associate	Ken Hall	EI
		Associate	Bob Hill	INL
		Associate	Hank Kenchington	Department of Energy
		Associate	Thomas Kropp	EPRI
		Associate	William McEvoy	Northeast Utilities
		Associate	George Miserendino	Triton Security Solutions
		Associate	Scott Mix	KEMA
		Associate	Mike Peters	Department of Defense
		Associate	Matt Rosenbaum	Department of Energy
		Associate	Dale Zahn	We Energies
GUEST			Allan Wick	Xcel Energy
			Diane Harris	Southern Co.
			Fred Hudson	ITC
			Jerome Murray	Oregon PUC
			Joe Grzeczka	WAPA
			Joe Weiss	KEMA
			John Breckenridge	Aquila
			John Pavek	USDA-RUS
			Kambiz Molkara	PHI
			Lee Hanson	Alliant Energy
			Lisa Moller	ATC
			Michael Paxzynsky	PSEG
			Mike Dunn	AEP
			Ronald Herbert	DOD
			Ronald Landry	LUS