

# EUCG ENERGY INFORMATION...ENHANCE YOUR KNOWLEDGE BASE

2010 Workshops - Glendale, Arizona - September 26-29, 2010

TENTATIVE TOPIC LISTING - WATCH FOR UPDATES!



## *INFORMATION TECHNOLOGY FORUM*

### **General Business Meeting**

Kelly will open the IT Committee's meeting with general business items followed by a brief presentation on safe computing with thumb drives. Then, as time allows, Kelly will begin a review and discussion on the 2010 Benchmark results. Additional sessions will be held during the meeting to examine the Benchmark Reports and Data Dictionary in more depth.

### **Desktop Virtualization**

This session is presentation by NB Power on status as they embark on a Proof of Concept with respect to Virtual Desktop technology. Virtual Desktop refers to the concept of separating a personal computer desktop environment from the physical machine through a client-server computing model. The resulting "virtualized" desktop is stored on a remote central server, instead of on the local storage of remote client. This pilot group will target training desktops, kiosks, contractors and a number of recognized early adopters from the NB Power Operating Companies.

### **Email & Storage**

This session will present the results of the Email and Storage mini-surveys submitted in February 2010. The data collected from the surveys provide a better understanding of the types of email and network storage policies and strategies employed by EUCG IT members. Literature and survey data will be discussed in terms of possible email and storage policies and strategies.

### **IT Service Optimization**

This session will present the results of the IT Service Optimization mini-surveys (Help Desk, Computing Services, and Applications) submitted in April 2010. This will allow a better understanding of current EUCG member practices and provide potential to optimize IT service levels.

### **Safety and Health Topic - IT Best Practices- Roundtable Discussion**

IT Committee members will present lessons learned and best practices from their individual IT organizations.

### **Benchmarking Data Discussion/Review**

Kelly will facilitate a deeper review and discussion on the 2010 IT Benchmark and review some of the new reports

### **Cost Estimation Model for Application Development Projects**

Pacific Gas & Electric will present their maturing process for estimating application development projects. The process for initial concept estimates vs. post-project launch estimates will be discussed. Issues such as estimate changes, budgeting and gated funding will also be discussed.

### **Vendor Management**

In mid 2009 Bruce Power created a roll to fulfill Vendor Management Program. The general goal is to increase business value from key vendors/partners providing IT services or product. This presentation will walk through the building of the mandate for this function, and the key initiatives and substantial savings accrued through the Vendor Management Function. One key area is planning and organizing internally to take advantage of increased value available from your partners and vendors.

### **Data Dictionary Review/Changes- Omaha Public Power District**

Ron will recap the changes made to the data model. In addition he will lead discussion regarding considerations to enhance the model.

### **Removing Low Level Work - A "Round Robin" Discussion**

Kelly will facilitate a discussion on identifying and reducing various low level/low value work within members' IT organizations. The discussions will look at both ways to identify low level work and methods/techniques to reduce, outsource or eliminate this work.

### **Benchmark and Audit Processes**

Christine Messer, the data coordinator hired by the IT Committee to manage the IT benchmarking data, will lead a discussion on updates, issues, etc.

### **Social Networking**

Some of us blog, tweet, podcast and post daily. Others have no idea what those social media terms mean. Are you curious about why an energy company would bother with these new tools? The presenter will discuss why and how our company is engaging the world of social media and provide an opportunity for others to share what their companies are doing with these new technologies and the business drivers behind it.

### **ITC Business Meeting Wrap-up & Marketing Discussion**

Kelly will open the IT Committee's final session with any open business items followed by a review of the 2011-12 officer term and the EUCG election process. Then the ITC will discuss membership growth and marketing activities for 2011. Additional membership marketing activities and general ideas discussion will be shared by Kathleen as the Lead of the ITC's Marketing Team.

### **Tour: Tessera Solar Power Plant**

All ITC members will adjourn to gather for transportation to visit this new solar energy plant. Return will be approximately 6:00pm.

## **FOSSIL PRODUCTIVITY FORUM**

- Fossil Keynote: Glen Reeves, Manager of Power Generation, Salt River Project
- Tour of Maricopa Solar
- Fossil Productivity Database: Identifying best performers
- Safety roundtable with EUCG Safety & Health Forum: Case studies, success stories and near misses, combustible dust projects and programs
- Risk assessments: How companies address project risk, regulatory risk, gas price risk, catastrophic risk
- Survey: “Pay for performance” metrics
- Survey: Plant staffing structure comparisons
- Cycling operation
- Renewable fuels: Biomass generation development
- Conducting New Source Review on plant modifications
- FGD operations and reliability
- Company scorecard workshop
- SCR potential damage/operational risks

**On Tuesday, September 28, the FPC will offer a parallel track focusing on combined cycle and combustion turbine installations. The agenda will include the following topics**

- CC/CT safety case studies, success stories, and lessons learned
- Long-term service agreements (LTSAs) versus self-performed service
- Outage planning strategies
- CC/CT benchmarking, best performance and database review
- Staffing strategies
- Failures & lessons learned
- Post-construction improvements

## **TRANSMISSION & DISTRIBUTION FORUM**

Topics ;

Business Meeting

Success Stories

Smart Grid Updates

Smart Grid Maturity Model

Smart Grid Survey

CenterPoint Energy Status Report

Challenges of New Transmission Construction

Substation Inspection Tool

Substation Bill of Material and Estimation

T&D Database Results

Safety

- Survey: Impact of Distributed Generation on Op Procedures
- Cell Phone Disabler

- Lock/Tag Out
- Fire Suppression Demonstration
- Roundtable: Customer Perception and Outage Communications

NERC TADS: 2009 Year End Results

Site Visit : Solar Power Facility

Spring 2011 Agenda Planning

Abstracts of sessions:

#### Introductions & Business Meeting

A welcome and introductions starts the T&D sessions. Each participant will have an opportunity to introduce themselves and state what they hope to learn at this conference. These will be tracked and become part of the discussion points and potential for future conference topics. The business meeting session covers the current status of the T&D, highlights what has happened over the past year, and what is ahead.

#### Success Stories

This session will walkthrough success story submissions by member companies. Each story is a case study highlighting a challenge or issue and the solution and results that were successful. After pre-submitted success stories, the remaining T&D participants will be encouraged to add additional stories, vignettes and discussion points sharing lessons learned and interesting insights they are aware of.

#### Smart Grid Maturity Model

An overview of the updated Smart Grid Maturity Model v1.1 will be provided along with a view of the results to date. The SGMM evaluates eight aspects of T&D utilities: Strategy, management and regulatory; Organizational Structure; Grid Operations; Work and Asset Management; Customer; Technology; Value Chain Integration; Societal and Environmental. A comparison of global results to those of T&D member organizations will be provided.

#### Smart Grid Survey

Results of a smart grid capability survey will be presented. This survey looks at the different smart grid capabilities each member organization is pursuing, whether they are pilots or deployment programs and the coverage among their customer base.

#### Smart Grid Update

Significant activity is occurring in the smart grid arena, specifically related to DOE stimulus funding for smart grid deployment projects. EUCG members having smart grid initiatives or having received stimulus funds will provide updates in an open discussion of their status of their smart grid projects. Topics covering metrics reported and the methods of demonstrating realized reliability improvements will be covered.

#### Challenges of New Transmission Construction

Gordon Kirk of Manitoba Hydro will describe the challenges with the environment, manpower and equipment, construction and maintenance of building a transmission line in Northern Manitoba.

#### Substation Inspection Tool

TVA recently changed its method of recording findings during routine substation inspections from pen and paper to electronic. An overview of the software, device used and how they got there will be presented.

#### Cell Phone Disabler

PSE&G will share the results of a pilot that is currently underway in its company regarding a technology that will disable phone communications when the vehicle is started. This is being implemented to eliminate cell usage while driving.

#### Fire Suppression Canister

A live demonstration will be held by the manufacturer of a product that is used to extinguish fires in a manhole or confined space. PSE&G has equipped all its vehicles with these safety canisters.

#### Customer Perception & Outage Communications

A panel discussion will be lead by three leading utilities regarding the relationship between customer perception and outage communications. Best practices will be identified and shared with the group.

#### NERC TADS: 2009 Year End Results: Comparison Analysis of AC Transmission Circuit Reliability

Mike Pakeltis of CenterPoint Energy will present a comparative analysis of the NERC year end 2009 and 2008 data for AC with voltages >200kV. The impact of lightning, failed line equipment, failed substation & protection equipment, and human error along with other outage causes will be examined for insight into where innovation and technology may be best applied and where maintenance and design practices are making a difference. Mike was a charter member of the NERC TADS Task Force and is currently the Chair of the NERC TADS Working Group.

#### Survey Results for the Impact of Distributed Generation on Operational Procedures

What changes are necessary to ensure safety as the industry installs more distributed generation along with distributed automation. The results of a survey conducted amongst EUCG members will be compiled and shared.

#### Solar Site Visit

A site visit to the solar power facility near Glendale, AZ

#### Spring 2011 T&D Agenda Planning

An agenda will be prepared for the spring 2011 conference. Topics and speakers will be selected based upon volunteers, compelling topics from the session discussions, host utility and other outside speakers that may be identified, etc. This draft agenda will be reviewed at the end of Wednesday's session and then used for detailed planning ahead.

### **HYDROELECTRIC FORUM**

- Opening Remarks and Introductions
- 2009 Leading/Lagging Performers
- Forced Outage Analysis
- Human Performance Forced outage at TVA
- Safety Session
- Joint EUCG & NHA Safety Survey Results
- Hydro Quebec Safety Program
- Data Report, Recommendations, Reporting Tool
- Agenda Planning and Roundtable

## **SAFETY & HEALTH FORUM**

### **Safety & Health Planning Committee Business Meeting**

EUCG safety and health representatives are prepared to present for review and approval the EUCG procedure which will guide business for the committee in the years to come. Some fee structures have been discussed to fund metric benchmarking, best practice reporting and other products being considered by the group. This session will finalize fees and many of the aspects of the new S&H Committee, and will ensure strong leaders and their goals for the future.

### **VPP Success Stories - APS & Others**

This session will feature more than one speaker to offer perspectives and status reports on the VPP projects at several plants.

### **Joint Session with Information Technology**

An open session on best practices and identifying issues will take place with IT delegates.

### **Tour of the Maricopa Solar Project**

The group will be escorted to a nearby project that is a partnership between Tessara Solar and Salt River Project, an Arizona energy provider. The project was built to learn more about the emerging solar technology. The efficient 25 kilowatt solar power system will impress you with low impact to the environment, automatic sun tracking systems and all else going into the project technology that produces grid quality solar power.

### **Incident Case Studies & Combustible Dust Roundtable - NV Energy & Roundtable Participants - Joint Session with Fossil Forum**

The Fossil Productivity Forum will sponsor a safety session on Tuesday a.m. that will include NV Energy presenting a safety case study on an incident at one of NV Energy's combined cycle plants as well as additional case studies, success stories, etc. Speakers/panelists are also being called on for a combustible dust roundtable.

### **Goal Setting for Safety & Health**

There are many practices on discovering the metrics and goals that companies should be using to develop their safety and health programs. But what are the ideal goals for your individual company operations? How did you develop those goals and ensure that everyone is on board? In this session, we will hear from two different companies on how this process worked for them, and whether or not theirs are ideal processes, or if improvements can be made.

### **Sharing Safety & Health Goals & Performance with Employees**

As a follow-up to the previous session, at least three companies will discuss how they go about announcing goals and success to their employees. In order to keep safety and health issues in the forefront, these methods must be a way that encourages attention, and it should be quick and easy access to serve busy schedules. How does your company accomplish this?

### **Joint Session with Hydroelectric Forum**

Topic and abstract to follow

### **Fire Suppression Alternatives - Joint Session with T&D Forum - PSEG & Others**

The T&D Forum will have a presentation on manhole/substation fire suppression from a representative that PSE&G has used to equip all their crews with and the safety team will join in this presentation to speak about other alternatives on this topic.

## **Safety & Health for the Future - Planning Best Practice Collection & Agendas for 2011 Workshops**

In this session representatives will guide session content for the 2011 year. Two workshops are planned and integrated as well as S&H representative based sessions will fill each workshop schedule. Safety best practices, program performance issues and why programs don't work, will be just two of the topics that will be discussed for future workshop agendas

### **NUCLEAR PERFORMANCE FORUM**

#### **Nuclear member Introduction & Issue Identification**

David will facilitate session where members introduce themselves (to promote interaction) and identify the issue (s) that would like to see addressed on behalf of their companies at this workshop.

#### **Task Team Reports**

1. **Top Industry Performance Measures**
2. **Outage Costs Categorization Proposal**
3. **Cost Reduction / Process Improvement**

In this session, three of the Task Teams that were created at the spring workshop will report out on the results of their Task team work. 1/David Ward will report on the survey of major nuclear utilities on the Top 5 Industry Performance measures in use to measure and drive performance today. 2/Peter Risteen will submit the results of his survey and his recommendations on capturing supplemental data on outage costs so as to facilitate benchmarking outages by work program and across technologies. 3/ Mike Kramer will present the recommendations of his Task Team as to what EUCG should do to drive cost reduction through 'out of box' approaches.

#### **Nuclear Plant Capital Cost Analysis - MCR Performance Solutions, Gary Wald, Lead Consultant**

This presentation will examine the historical (15 years) Capital expenditures incurred by the plants in the EUCG database, from several perspectives (e.g.: technology, age, cost performance, regulatory driven)and determine if there are any explanatory variables (such as Forced Losses, O&M Performance etc) to support the ability to predict future capital expenditures. MCR Performance Solutions has a long standing relationship with the EUCG and through the years has put forward analysis techniques providing useful insights in the use of NIID data.

#### **International Atomic Energy Association (IAEA) - update on the IAEA's activities in the expansion of Nuclear Power and the links to the EUCG - IAEA - Division of Nuclear Power - Ms Xiaoping Li - Power Engineer/Economist**

Xiaoping Li will present the global status of nuclear power expansion (new construction) and IAEA's efforts to support this expansion. She will also talk about the cooperation with the EUCG- Nuclear in these efforts. The IAEA is the world's center of cooperation in the nuclear field within the United Nations family. The Agency works with its Member States and multiple partners worldwide to promote safe, secure and peaceful nuclear technologies. The IAEA has a long standing relationship with the EUCG-Nuclear.

### **NERC and EUCG/EUCG New Web Product**

**NERC and the EUCG** - Steve will provide a brief overview of the North American Electric Reliability Corporation (NERC). It will include their mission, what enforcement authority NERC has been granted by the U.S. and Canadian governments, and how EUCG may benefit from information related to certain NERC policies and regulation. NERC Standard MOD-024, *Verification of Generator Gross and Net Real Power Capability*, which establishes policies, guidance, and requirements to annually establish and validate *Gross and Net Winter and Summer Continuous Capability*, will be discussed. *Gross and Net Winter and Summer Continuous Capability* ratings offer another source to compare performance across North America.

**EUCG New Web Product** - Chris will provide a live demo on the new WEB product which was discussed at the St Louis Spring Workshop and will now be made available to all members for their use. The product will benefit members in helping them to use all the EUCG products and services more effectively and help generate more value for their respective companies.

### **Open Forum**

Vince will facilitate this session that tables utility issues including member issues from the Introduction (NC1) session, parking lot items and other issues that will form the topics for breakout teams Tuesday PM.

### Task Team Reports

1. **Categorizing Dedicated vs. Non-Dedicated Costs**
2. **Classifying and categorizing Dry Cask Storage Costs**
3. **Aligning Business Initiatives /Resource Planning**

In this session, a further three of the Task Teams that were created at the Spring workshop will report out on the results of their Task. 1/Josh Caulder will report on the survey conducted on utility practices around the recording of dedicated and non-dedicated costs and provide recommendations on the definitions. The clarification of the definitions around these categories will further enhance the value of the benchmarking data. 2/Billy Carlton will submit the results of their survey and recommendations on the consistent reporting of Dry Cask Storage Costs in the EUCG data base and collecting additional Dry Cask Storage metrics. 3/Ginger Murray will provide the results of the Team's survey on how utilities are aligning business initiatives to resource planning in the planning cycle to ensure the right resources are available to conduct tasks.

### Task Team Reports

1. **Fatigue Rule Survey results**
2. **Labour & Staffing Data Improvements in NIID**

In this session, the last two Task Teams from the spring workshop will report out on their results of their Task team work. 1/Patrick O'Rourke will report on the results of the survey conducted in late Spring on the infrastructure impacts of the Fatigue Rule introduction for US plants. This information is further detail on the presentation in the Spring Workshop. 2/Peter Risteen will submit the results of his survey on the ability to break out labor burden to better analyze labor costs across technologies and jurisdictions. He will also put forward his proposal for a project to enhance the categorization of staffing data to improve the ability to benchmark staffing.

### **Project Management Best Practices - Construction Industry Institute (CII) - Mr. Wayne Crew - Director**

One of the more significant recommendations by members was to have an industry expert speak to the forum on practices and methodologies used in the Industry to improve project management effectiveness. Mr Wayne Crew, a Director at CII will present a description of CII's Best Practices and the results seen in the industry from the implementation of CII Best Practices. Wayne serves on the National Board of Directors for the ACE Mentor program, the Board of Trustees for the National Center for Construction Education and Research, and the Board of Directors for FIATECH.

### **Non-Utility Company – Best Practices – Arizona Cardinals - Steve Ryan – VP Business Development – Arizona Cardinals Football Club**

This session provides an opportunity for members to hear about the best practices of a major non-utility company – in this case – a successful sports franchise, the Arizona Cardinals. This session will provide members with a view of how non-utility companies strive for success. It continues the practice of a philosophy adopted by the Nuclear Forum to regularly have well performing non-utility companies present their business practices so as to promote more 'out of box' thinking for our members.

### **EUCG Proposed Strategic Plan & Actions**

David and Dewade will present an overview of the results of an NLT two day meeting in Baltimore in June. The Team went through a detailed and methodical process of assessing the Nuclear Forum's products, services, customers and standing in the industry. They will discuss the `EUCG satisfaction survey' sent out in July and will identify the steps planned and those taken to date to drive the strategies to improve and sustain EUCG Nuclear over the next five years.

### **Open Forum - Issue Discussion, Ranking and Breakout Teams**

This session is a continuation of the session from Monday afternoon, where the Forum groups the issues into major topic areas. The members assign themselves to breakout teams to address these topic areas. These teams will analyze and scope out the issues and prepare proposals as to how the Nuclear Forum can disposition / address them.

### **Task Team Breakout session - EUCG Nuclear Members**

Task team breakouts to analyze and propose dispositions of issues emanating from NC12 session.

**Wednesday**

**GENERAL SESSION - ANNUAL MEMBER MEETING**

**Task Team Breakout session (cont'd) - EUCG Nuclear Members**

Task teams will finalize presentations on their breakout issues.

**Task Team Presentations - Breakout team leaders**

Task teams will present their analysis and proposals for membership consideration. This session will determine the approach and priority that the EUCG Nuclear Forum will assign to this issue. It can generate a Task team, a technological change or a policy change.

**Wrap-up, Roundtable**

Dewade will wrap-up the workshop and conduct a roundtable for feedback on content and facilities.

**Nuclear Leadership Team Meeting will take place this afternoon.**