

Network Noise

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Terry Christie, Editor

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RSIS Update

Dennis McDermitt

As I look over my article in the February Network Noise, I realize how much has changed in the span of a few months! Thank goodness the two Kens are here to keep me (relatively) sane. Here is an update on our major efforts...

Projects Module

With the change in our centralization plans (see below), we decided to release the Projects Module to everyone as part of non-centralized CAIS (Version 4.2). I hope that you are all enjoying the new Projects functionality. As always, we welcome your suggestions for improvement.

Costing Updates

The 2004 RS Means cost updates will be released in June and will include the Assemblies Costs. Ken is in the process of validating the data and testing his update program. In the future, as was requested at the March meeting, we will release the annual cost updates in April.

Centralization

With all of the firewall and access issues that were discovered during the centralization pilot tests; we have decided to purchase our own dedicated Sun server to host both CAIS and FIMS. Our new target date for having a production-ready, centralized system is July 30. This is a developing story, and I will be sending out additional information this month.

OSF Models and Cost Works

RS Means will deliver three of the new OSF models, along with a Beta version of DOE Cost Works, in June. The remaining seven models will be released by the end of September. As I write this, Ken Baker, Chuck Siegfried, and Paul Sullivan are in Oak Ridge collecting data for the new models. Thanks to all who completed the OSF Model Surveys! They have been very helpful.

Training

The tentative plan is to offer one or two classes in Oak Ridge this summer. Please let me know if you are interested in such a class.

DOE NREL Constructability & LEED Review for the Proposed Science & Technology Facility

Jesse Oak

Parsons Brinkerhoff (PB) was asked by NREL in Golden, CO to perform a Constructability Review on the 100% Final Design Construction Documents for the proposed Science and Technology Facility. The proposed Science and Technology Facility is a 71,000 square foot facility on two floors, plus a penthouse for mechanical equipment.

The construction documents were sent to PB's office in Herndon, VA where the work was performed. PB was also asked to verify that all previous review comments had been incorporated or addressed and to review the drawings and specifications to determine the projects compliance with the LEED Silver requirements.

Parsons Brinkerhoff was responsible for the following tasks:
A final design review of the completed construction documents including all drawings and

specifications for constructability of the facility.

Review and insure that all review comments including the 100% Preliminary Design Comments, 50% Final Design Comments, and the 100% Final Design Comments have been incorporated into the final construction documents.

Review and validate the construction cost estimate.

Review and validate the construction schedule

Review and validate compliance with LEED Silver requirements

The building systems reviewed included the following:

Mechanical systems; including heating, ventilation and air conditioning (HVAC) systems, plumbing, and fire protection systems;

Electrical systems; including distribution panels, sub-panels, outlets and wiring, and lighting;

Foundations, and footings;
Superstructure;
Windows;
Exterior walls and wall systems;

Roofing systems;

Specialty systems such as cabinetry;
Interior ceilings, walls and floors;
Interior and exterior doors; and
Elevators and conveying systems.

Work started on August 18, 2003 and was completed on August 29, 2003 and enabled NREL to secure all of the project funding required and have the design team make all necessary corrections and additions to the construction documents.



Attendees of Las Vegas Network Meeting

Return of the Native

Ken Baker

You probably thought you heard the last from me when I said Farewell last year. Well, I lied! Mr. McDermitt, I have to call my supervisor Mr., lured me back with promises that I would never have to do minutes of meetings; I would travel to wonderful places; and have top-notch hardware and software to use. Well, Mr. McDermitt lied too although the travel looks promising...

Las Vegas in March, Oak Ridge in May, Phoenix in May, and Santa Fe in October and if I behave myself a trip to California for Cost Works training. I will behave and I will try to refrain from acting like the technical monitor. Actually I have it quite nice... 15 minutes from home, garage parking, make my own hours and work from home if life at RSIS central gets to hectic. But I still have lousy hardware on my desk. My limited time (about 20 hours/week) as a consultant to RSIS is devoted to Cost Works modification/ development and implementation.

DOE Cost Works Status

Cost Works development is progressing. Barbara Balboni of RS Means will have all the standard models migrated to the DOE version of Cost Works. The pilot test will have a subset of the models when testing starts in June. The custom models will probably not be in the subset but DOE Common Adders will be. Three or four sites will "volunteer" as pilots. The OSF model development is underway and Paul Sullivan, our model developer for RS Means, will be given my compilation of the Questionnaire responses. We have received responses from LBNL, NTS, ORNL, Y12 and WIPP. Thanks to each of you. The compilation results will be sent via Christy Express to all CAIS users and LBNL. The 10 OSF systems that Paul will be developing include the following: Chilled Water Systems, Electric Transmission/Distribution Systems, Fencing Systems, Industrial Gases,

Natural Gas Distribution Systems, Road/Pavements, Sewage Treatment Systems, Steam Generation & Distribution, Storm Water Systems, Water Systems (Potable). There were requests for Communication Systems and various process waste stream treatment systems but the scope of work and the lack of funds prohibit their inclusion in 2004. Funding will be recommended in the FY 2005 CAIS and FIMS budgets.

The first release of DOE Cost Works will occur in December 2004. This release will include Electric Transmission & Distribution systems, Natural Gas systems and a generic e Steam Generation and Distribution model. Cost Works training will take place in the January-February 2005 time frame. Training plans are sketchy right now but locations being considered are Albuquerque, Chicago, CA Bay Area (3 sites, 1 day at each site), Oak Ridge, and Washington DC. We will need computer facilities to provide the training. Cost Works requires a full day of training so multiple training classes (2-3) are planned for each site with the exception of the CA Bay Area. Stay tuned as plans become more definitive. A beta DOE Cost Works class is scheduled for LANL on October 18, 2004 that precedes the next CAIS Users Group meeting on October 19-21. A CAIS representative from each site is requested to attend. Gene Buck of LANL has reserved a room in the Otowi Building for this session. In summary, DOE Cost Works development is proceeding on schedule.

Final Notes

Terry Christie

Just a reminder that the RPAM/CAS Network meeting will be held on October 18-21, 2004 in Santa Fe. The first day, Monday will be a Cost Works Beta demonstration and will be held at a computer room at Los Alamos. The meetings for the next three days will be held at the host hotel conference room. The host hotel for this meeting is Hotel Santa Fe. Reservations can be made by calling 800-825-9876 and mention our code #3258 Oak Ridge National Laboratory. The rooms are \$99 per night, which is per diem for Santa Fe. We need to book 20 rooms to secure our free meeting space so please book as soon as possible.