

-----Original Message-----

From: isaacson@lanl.gov [mailto:isaacson@lanl.gov]
Sent: Thursday, October 27, 2005 2:59 PM
To: KIRK.W.OWENS@saic.com; Jeff Robbins
Subject: Fwd: Re: Need help please

Kirk, status on the combustion turbine generator and the other utilities questions.

JJ

X-Sieve: CMU Sieve 2.2
X-Sender: sradz@harold-mail.lanl.gov
Date: Thu, 27 Oct 2005 12:48:00 -0600
To: isaacson@lanl.gov
From: "Susan D. Radzinski" <sradz@lanl.gov>
Subject: Fwd: Re: Need help please
X-PMX-Version: 4.7.1.128075

More answers to Kirk's questions.

Susan

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.1.2
Date: Thu, 27 Oct 2005 12:37:48 -0600
To: "Susan D. Radzinski" <sradz@lanl.gov>
From: "Gilbert L. Mackey" <glmackey@lanl.gov>
Subject: Re: Need help please
Cc: "Gilbert L. Mackey" <glmackey@lanl.gov>
X-PMX-Version: 4.7.1.128075

At 11:12 AM 10/26/2005, you wrote:

Gilbert,

I have the following data request for the new SWEIS now in preparation.
Will you help please. Many thx.

Susan

Following are some additional utility infrastructure questions based on review of the current (2004) yearbook. The second question is an update to an earlier question (sent 10/7/05) regarding the co-generation facility. For all of the questions asking status, if reasonable, please project the status as of the end of this calendar year.

- The first concerns the proposed new electric transmission line and

substation. The yearbook states "Construction of the transmission line and uncrossing of the two existing 115-kV lines within LANL is projected to start in the spring of 2005 and take approximately a year to complete. The contract for the construction of the portion of the line from STA to WTA and the STA switchyard plus the uncrossing of the two existing 115-kV lines has been determined. The line and switchyard should become operational about August 2006. The construction of the portion of the line from the Norton substation to STA is still being negotiated. [see page 3-14]" What is the status of this work? Has it begun? Construction of the 115 kV line from STA to WTA has begun and should be finished about February or March of 2006, along with the uncrossing of the two existing transmission lines. The STA switchyard should be finished about August of 2006 and the entire project should be made operational at this time.

- The second issue concerns ongoing upgrades at the TA-03 Co-Generation Plant. The yearbook states that "Rewinding of this unit [referring to the no. 3 steam turbine] began in CY 2003; it is expected that after this is completed, the turbine's new output will be greater than 15 MW. Rewinding should be finished and the unit re-installed about May 2005." What is the status of this work? The rewind has begun and the installation of the unit should be finished about May of 2006. Has it begun? Further, the yearbook states: "To get the maximum benefit from this refurbishment, the steam path and cooling tower for the unit need to be improved; this upgrade is scheduled to be completed in FY 2005 . . . [see page 3-13] " What is the status of this work? The cooling tower doesn't need to be modified and the work on the steam path is already completed. When the unit has been completely installed in May the full effect of the rewind can be achieved.

- The Combustion Turbine Generator EA (DOE/EA-1430) and FONSI proposed installation of two new generators at the TA-03 Co-Generation Plant, which would significantly increase the electric power production of the plant. The current yearbook states that "Installation of the first combustion turbine generator at the TA-03 power plant is scheduled to occur during the FY 2004 to FY 2005 timeframe [see page 3-14]." What is the status of this work? Has it begun? This work has started, pouring of the foundation has begun. The unit is scheduled to be operational in June of 2006. When is the second unit proposed to be installed? The second unit was for reliability purposes only and may never happen Previous yearbooks indicated a FY07 timeframe for the second unit.

Also, it appears that there is an error that should be corrected in future versions of the Yearbook: Note (b) to **Table 3.4.2-2 [page 3-15] in the 2004 yearbook states that "All figures in kilowatt-hours."** It appears that the values are actually in megawatt-hours. This error was carried over from the 2003 yearbook. I reviewed the table and it is in megawatt-hours, not kilowatt-hours.

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