

From: Racinez, Emilio A [mailto:eracinez@lanl.gov]
Sent: Monday, March 28, 2011 2:43 PM
To: Eichner, John M.
Cc: English, Elizabeth W; Owens, Kirk W.; Racinez, Emilio A
Subject: RE: Summary of Power Availability at LANL

John,

I edited the write-up in your email below.
Let me know if you need more information.
Thanks.

Emilio

From: Eichner, John M. [mailto:JOHN.M.EICHNER@saic.com]
Sent: Friday, March 25, 2011 2:30 PM
To: Racinez, Emilio A
Cc: English, Elizabeth W; Owens, Kirk W.
Subject: Summary of Power Availability at LANL

Emilio,

Just to make sure we have this accurately portrayed in the CMRR SEIS, please confirm the following information or edit as needed.

The transmission lines coming into the site have a **firm** capacity of about **107** megawatts. In addition, the TA-3 cogeneration facility has two 5 megawatt **steam turbine** units that could provide 10 megawatts of power for peaking and a Combustion Gas Turbine Generator (CGTG) that can generate from 20 to 27 megawatts.

Transformers on-site can handle more than 150 megawatts peak (two 33 megawatt transformers in TA-3, one 40 megawatt transformer and one 56 megawatt transformer in ETA, and one 56 megawatt transformer in WTA) but the power is currently limited by the transmission line **capacities**. Adding a third transmission line and/or re-conductoring the existing two transmission lines are being studied to increase transmission line capacities for up to 240 megawatts.

Finally, LANL together with the Los Alamos County Power Pool currently has a combined resource ownerships and purchase contracts for about 127 megawatts of power. The highest recorded coincidental demand is 86 megawatts. This includes the Los Alamos County's coincidental demand of 14 -20 megawatts. Current projection shows a steady increase in demand through 2020.

Thanks,

John

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