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**Subject:** FW: Wind Integration Study - Conference Call details for August 19th

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**From:** DeVol, Philip [mailto:PDeVol@idahopower.com]

**Sent:** Thursday, August 19, 2010 4:07 PM

**To:** IRP Mailbox

**Subject:** RE: Wind Integration Study - Conference Call details for August 19th

Thanks for the presentation today. I have some questions for you that I thought I'd save for after the conference call:

1. The wind forecast error is defined on p. 11 as the actual minus forecast → a negative would mean that actual came in *lower* than forecast, implying that a balancing resource would have to *Reg Up* in response. However, in the text on p. 14 describing Figure 7, it's indicated that *Reg Down* is on the negative side of the distribution. This seems backwards, but perhaps I'm missing something. Figure 8 seems similarly backwards.
2. In the PaR model, is the same amount of regulating reserve applied for all hours within a month? Is that amount calculated by the sample equation given on p. 13? I was surprised that Ken Dragoon questioned this equation – I spoke with him at a UWIG workshop in June and he seemed to endorse combining load and wind reserve amounts thru this type of operation.

Thanks again.

Phil DeVol

Power Supply Planning

Idaho Power Company

Ph.: 208-388-5365

[pdevol@idahopower.com](mailto:pdevol@idahopower.com)

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