Joan M. Dukes Chair Oregon

Bruce A. Measure Montana

> James A. Yost Idaho

W. Bill Booth Idaho

MEMORANDUM

TO: Power Committee

FROM: Michael Schilmoeller

SUBJECT: Regional Portfolio Model Futures

The Council's Regional Portfolio Model (RPM) emulates resource acquisition actions over many different sets of 20-year periods. Each 20-year period, referred to as a "future," faces a broad range of possible circumstances under which the power supply must operate. These circumstances and the subsequent resource acquisition choices combine to produce the cost and reliability of the power supply that – for better or worse – regional ratepayers will bear.

Wednesday, March 28, 2012

There are several considerations that go into evaluating whether the futures used in the RPM help the Council meet its goals of assessing cost and risk of resource strategies. First, are the futures credible and are the behaviors of key elements in the futures realistic? Are there futures in the RPM that look like our present circumstances and current expectations about the future? Some futures may appear extremely unlikely but still plausible. Do such futures help us understand the value of particular strategies? Second, do the futures capture the types of uncertainties that the Council feels will bear on ultimate ratepayer costs? For example, how do we deal with technological innovation that we know is inevitable but is nevertheless unpredictable? Third, do the futures provide insights into the strengths and weaknesses of recommended resource strategies?

At the April Council meeting, Greg Nothstein and I will begin a conversation with Power Committee members about the futures in the RPM. Greg is with the Analysis and Strategy Unit, Washington Energy Office, and he has been helping us since November evaluate the futures that we use in our risk analysis. We thought it would useful to share a close look at a small number of those futures with Council members and others to see what those futures are composed of, how they differ from each other, and how plausible they are to Council members.

The material that I have prepared for the Council member packet contains a link to a narrated PowerPoint presentation. State staff members have been given instructions on using the presentation. We have successfully tested the link from several locations. This is an experiment for us, however. Using PowerPoint in this way is an attempt to meet the need for a concise presentation that nevertheless "stands on its own." We look forward to hearing whether this is useful to Council, to staff, and to those who rely on the Council's work.



Rhonda Whiting Vice-Chair Montana

Bill Bradbury Oregon

Tom Karier Washington

Phil Rockefeller Washington



Michael Schilmoeller, NWPCC Greg Nothstein, Analysis & Strategy Unit, Washington Energy Office April 10, 2012









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