

March 11, 2014

Ms. Kate Whitney
Montana Public Service Commission
1701 Prospect Avenue
P.O. Box 202601
Helena, MT 59620-2601

RE: Docket No. D2013.12.85
PPLM Hydro Assets Purchase
PSC Set 10 Data Requests (131-195)
UPDATED RESPONSE TO PSC-162 AND PSC-163

Dear Ms. Whitney:

Enclosed for filing is a copy of NorthWestern Energy's updated responses to PSC-162 and PSC-163 Data Requests. A hard copy will be mailed to the most recent service list in this Docket this date. These updated Data Request responses will also be e-filed on the PSC website and emailed to counsel of record.

Should you have questions please contact Joe Schwartzberger at 406 497-3362.

Sincerely,



Nedra Chase
Administrative Assistant
Regulatory Affairs

NC/nc
CC: Service List

CERTIFICATE OF SERVICE

I hereby certify that a copy of NorthWestern Energy's updated responses to PSC-162 and PSC-163 in PSC Set 10 Data Requests (131-195), Docket D2013.12.85, the PPLM Hydro Assets Purchase. These Data Request responses will be e-filed on the PSC website and served on the most recent service list by mailing a copy thereof by first class mail, postage prepaid and will also be emailed to counsel of record.

Date: March 11, 2014



Nedra Chase
Administrative Assistant
Regulatory Affairs

Docket No D2013.12.85
Hydro Assets Purchase
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NorthWestern Energy
Docket D2013.12.85
PPLM Hydro Assets Purchase

Public Service Commission (PSC)
Set 10 (131-195)

Data Requests served February 21, 2014

PSC-162

Regarding: PowerSimm Model Results
Witness: Dorris

- a. For the best performing Current + Hydro portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.
- b. For the worst performing Current + Hydro portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.
- c. For an average performing Current + Hydro portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.

RESPONSE:

- a. NorthWestern is preparing the response to this data request. Pursuant to discussions with Commission Staff, NorthWestern will provide its response during the week of March 10, 2014, according to the modified timeline agreed to by Staff and NorthWestern.
- b. See response to part a, above.
- c. See response to part a, above.

UPDATED RESPONSE (March 11, 2014):

- a. Please see the attached CD which contains an Excel workbook with two tabs labeled "PSC 162" and "PSC 163."

NorthWestern Energy
Docket D2013.12.85
PPLM Hydro Assets Purchase

Public Service Commission (PSC)
Set 10 (131-195)

Data Requests served February 21, 2014

PSC-163

Regarding: PowerSimm Model Results
Witness: Dorris

- a. For the best performing Current + CCCT + Wind 2025 portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.
- b. For the worst performing Current + CCCT + Wind 2025 portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.
- c. For an average performing Current + CCCT + Wind 2025 portfolio simulation please provide the randomly drawn values for the following explanatory variables: natural gas market price, on-peak electricity market price, off-peak electricity market price, CO₂ cost per ton, hydro generation, wind generation, thermal plant generation and availability, and load. Please provide these data for each week for each year of the simulation.

RESPONSE:

- a. See the response to Data Request PSC-162a.
- b. See the response to Data Request PSC-162a.
- c. See the response to Data Request PSC-162a.

UPDATED RESPONSE (March 11, 2014):

- a. Please see the CD attached to PSC-162 which contains an Excel workbook with two tabs labeled "PSC 162" and "PSC 163."