



December 22, 2014

Ms. Kate Whitney  
Utility Division  
Montana Public Service Commission  
1701 Prospect Avenue  
PO Box 2022601  
Helena, Montana 59620-2601

**Re: Docket Nos. D2013.5.33/D2014.5.46 Electric Tracker  
Updated responses to MCC-025, MCC-052, MCC-078 and MCC-088 in  
MCC Set 1 Data Requests (001-112)**

Dear Ms. Whitney:

Enclosed for filing is a copy of NorthWestern Energy's updated responses to MCC-025, MCC-052, MCC-078 and MCC-088 in the MCC Set 1 Data Requests in Docket Nos. D2013.5.33/D2014.5.46. It will be hand delivered to the Montana Public Service Commission and the Montana Consumer Counsel this date. It will also be mailed to the service list in this docket, e-filed on the PSC website, and emailed to counsel of record.

Should you have questions please contact Joe Schwartzenberger at (406) 497-3362.

Sincerely,

Tracy Lowney Killoy  
Administrative Assistant

CERTIFICATE OF SERVICE

I hereby certify that a copy of NorthWestern Energy's updated responses to MCC-025, MCC-052, MCC-078 and MCC-088 in the MCC Set 1 Data Requests in Docket Nos. D2013.5.33/D2014.5.46 has been hand delivered to the Montana Public Service Commission and to the Montana Consumer Counsel this date. It will be e-filed on the PSC website, emailed to counsel of record, and served on the most recent service list by mailing a copy thereof by first class mail, postage prepaid.

Date: December 22, 2014

A handwritten signature in cursive script that reads "Tracy Lowney Killoy". The signature is written in black ink and is positioned above the printed name and title.

Tracy Lowney Killoy  
Administrative Assistant  
Regulatory Affairs

Docket No. D2013.5.33/D2014.6.46  
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**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

**MCC-025**    Regarding:    Colstrip Unit 4 Outage  
                 Witness:        Kevin J. Markovich

Please provide a schedule showing all short-term purchases from July 1, 2013 to the last day of the outage, indicating whether the purchases are replacement power due to Colstrip Unit 4 outage or normal short-term/tracker default supply purchases unrelated to the CU4 outage.

RESPONSE (November 7, 2014):

Short-term purchases are included in the exhibits to the Prefiled Direct Testimony of Frank V. Bennett in this docket. See also the response to Data Request MEIC-19. NorthWestern has no way to distinguish what purchases are replacement power due to the Colstrip Unit 4 outage or what purchases are normal short-term/tracker default supply purchases unrelated to the CU4 outage.

UPDATED RESPONSE (December 22, 2014):

Pursuant to the Notice of Commission Action issued on December 10, 2014, NorthWestern provides the following updated response:

See the "MCC-025" folder on the attached CD for an Excel file that includes all term, day-ahead, and hourly on-system short-term purchases entered into during the 2013/2014 CU4 outage. There is a separate tab for term, day ahead, and real time purchases and prices.

Distinguishing replacement power transactions from normal short-term tracker default supply purchases unrelated to the CU4 outage requires a number of assumptions. Some of the assumptions include:

For each hour what would CU 4 production have been if the outage did not occur? Historical performance? What were the forecasted volumes for CU4 for the original 2013/2014 tracker period? Should CU3 be included because of the reciprocal sharing agreement?

Once a methodology is defined to calculate what CU4 production might have been if the outage had not occurred, a way of allocating or "painting" short-term purchases between normal portfolio purchases and those used as replacement power for CU4 must be determined. Some of the assumptions that could be used include:

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
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**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

MCC-025 cont'd

- First in, first out. For each hour assume term, day-ahead, and then hourly purchases in that order until the assumed hourly quantity from CU 4 is covered.
- Last in, first out. For each hour assume hourly, day-ahead, and then term purchases in that order until the assumed hourly quantity from CU 4 is covered.
- A weighted average of all three time periods and apply that value to the assumed production from CU4 each hour.

The attached Excel file includes a tab titled "Volume Allocation" which NorthWestern believes is a fair representation of the portion of short-term purchases during the CU4 outage that might be considered replacement power for CU4. The analysis also deducts the fuel cost savings from not running CU4 to arrive at an estimated replacement power cost for the CU4 outage. The assumptions made for this analysis include:

- CU4 production is at its projected output as shown in the 2013/2014 original tracker forecast except when real time market prices are below CU4 variable costs. In those instances CU4 is assumed to go to its minimum of 30 MW.
- Purchases are allocated on a first in, first out basis meaning each hour term, then day-ahead, and then real time purchases are used in that order until the hourly CU4 projected output is achieved.
- Term, day ahead, and real time prices are based on the weighted average of all purchases in each category.
- If term, day ahead, and real time purchases total less than the assumed hourly production, the replacement power volumes are limited to the total of the purchases.

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

**MCC-052**    Regarding:    Basin Creek Operating Protocol  
                  Witness:    Kevin J. Markovich

In reference to your 2014 testimony at page KJM-6, lines 1-6:

- a)    Please provide in electronic format with all links intact Basin Creek's economic dispatch for the most recent 36 months available.
- b)    Please provide all documents produced by or produced for Northwestern relating to the analysis of Basin Creek generation resource operating protocol ordered by Commission's Order No. 7219h.

RESPONSE (November 7, 2014):

- a.    That information is included in the exhibits to the Prefiled Direct Testimony of Frank V. Bennett in this docket for the tracker period covered by this docket.
- b.    That analysis is currently being worked on and when completed it will be filed with the Montana Public Service Commission.

UPDATED RESPONSE (December 3, 2014):

- a.    Please see the file on the attached CD containing economic dispatch data for Basin Creek from November 2011 to October 2014. The volumes shown in Mr. Bennett's exhibits represent the economic dispatch of Basin Creek. For additional details regarding this updated response, see NorthWestern's *Additional Response to the Montana Consumer Counsel's Motion to Compel*, also filed December 3, 2014.

SECOND UPDATED RESPONSE (December 22, 2014):

Pursuant to the Notice of Commission Action issued on December 10, 2014, NorthWestern provides the following updated response:

- a.    See the "MCC-052" folder on the CD attached to MCC-025 for the economic dispatch by hour for Basin Creek for the last 36 months. Basin Creek is a dispatchable peaking unit that is dispatched (operated) when its variable cost to produce energy is less than the market price for energy.

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

MCC-052 cont'd

It should be noted that during the past 36 months NorthWestern used approximately 17 MW of Basin Creek's 52 MW capacity for operating reserves, leaving 35 MW available for economic dispatch of energy supply.

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

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**MCC-078**      Regarding:    2013/2014 Off-System Transactions  
                  Witness:      Kevin Markovich

In your 2014 testimony at page FVB-8, lines 12-13, you state “Most of these transactions [off-system] are at the Mid-Columbia trading hub and are used for hedging purposes.” Please identify each of these transactions that are used for hedging purposes, including quantity, price, period and supplier.

RESPONSE (November 7, 2014):

The statement should have read: “All of these transactions [off-system] are at the Mid-Columbia trading hub and are used for hedging purposes.”

UPDATED RESPONSE (December 22, 2014):

Pursuant to the Notice of Commission Action issued on December 10, 2014, NorthWestern provides the following updated response:

See Attachments 1 and 2. Attachment 1 shows the quantity, price, period, and supplier for Off-System Transactions – Fixed Price in Docket No. D2014.5.46, Exhibit \_\_ (FVB-1) 13-14. Attachment 2 shows the quantity, price, period, and supplier for Off-System Transactions – Index Price in Docket No. D2014.5.46, Exhibit \_\_ (FVB-1) 13-14.

## MCC-078

## OFF-SYSTEM FIXED PRICE TRANSACTIONS

Counterparty	Counterparty Full Name	Start Date	End Date	Year	Month	Market	Pricing Type	On Peak MWh	Off Peak MWh	On Peak Price	Off Peak Price
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	July	MIDC	Fixed	10,400	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	10,400	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	July	MIDC	Fixed	10,400	8,200	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	-	8,200	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	20,800	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	-	16,400	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	10,400	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	July	MIDC	Fixed	-	8,200	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	July	MIDC	Fixed	10,400	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	August	MIDC	Fixed	10,800	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	10,800	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	August	MIDC	Fixed	10,800	7,800	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	-	7,800	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	21,600	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	-	15,600	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	10,800	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	August	MIDC	Fixed	-	7,800	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	August	MIDC	Fixed	10,800	-	\$ 61.75	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	8/1/2013	8/31/2013	2013	August	MIDC	Fixed	10,800	-	\$ 43.00	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	September	MIDC	Fixed	9,600	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	9,600	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	September	MIDC	Fixed	9,600	8,400	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	-	8,400	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	19,200	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	-	16,787	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	9,600	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	September	MIDC	Fixed	-	8,400	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	September	MIDC	Fixed	9,600	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	October	MIDC	Fixed	10,800	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	10,800	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	October	MIDC	Fixed	10,800	7,800	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	-	7,800	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	21,600	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	-	15,600	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	10,800	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	October	MIDC	Fixed	-	7,800	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	October	MIDC	Fixed	10,800	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	November	MIDC	Fixed	10,000	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	10,000	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	November	MIDC	Fixed	10,000	8,025	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	-	8,025	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	20,000	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	-	16,047	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	10,000	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	November	MIDC	Fixed	-	8,025	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	November	MIDC	Fixed	10,000	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2013	December	MIDC	Fixed	10,000	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	10,000	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2013	December	MIDC	Fixed	10,000	8,600	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	-	8,600	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	20,000	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	-	17,200	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	10,000	-	\$ 41.00	N/A
EXGN - E	Exelon Generation Company, LLC	12/1/2013	12/31/2013	2013	December	MIDC	Fixed	10,000	-	\$ 39.50	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2013	December	MIDC	Fixed	-	8,600	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2013	December	MIDC	Fixed	10,000	-	\$ 61.75	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	12/1/2013	12/31/2013	2013	December	MIDC	Fixed	10,000	-	\$ 39.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	January	MIDC	Fixed	10,400	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	10,400	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	January	MIDC	Fixed	10,400	8,200	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	-	8,200	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	20,800	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	-	16,400	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	10,400	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	January	MIDC	Fixed	-	8,200	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	January	MIDC	Fixed	10,400	-	\$ 61.75	N/A
PWX-E	Powerex	1/1/2014	1/31/2014	2014	January	MIDC	Fixed	10,400	-	\$ 42.25	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	February	MIDC	Fixed	9,600	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	9,600	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	February	MIDC	Fixed	9,600	7,200	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	-	7,200	N/A	\$ 30.30
CORP-E	Shell Energy North America (US), L.P.	2/24/2014	2/24/2014	2014	February	MIDC	Fixed	-	227	N/A	\$ 71.10
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	19,200	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	-	14,350	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	9,600	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	February	MIDC	Fixed	-	7,200	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	February	MIDC	Fixed	9,600	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	March	MIDC	Fixed	10,400	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	10,400	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	March	MIDC	Fixed	10,400	8,175	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	-	8,175	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	20,800	-	\$ 40.85	N/A

Counterparty	Counterparty Full Name	Start Date	End Date	Year	Month	Market	Pricing Type	On Peak MWh	Off Peak MWh	On Peak Price	Off Peak Price
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	-	16,349	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	10,400	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	March	MIDC	Fixed	-	8,175	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	March	MIDC	Fixed	10,400	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	April	MIDC	Fixed	10,400	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	10,400	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	April	MIDC	Fixed	10,400	7,600	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	-	7,600	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	20,800	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	-	15,182	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	10,400	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	April	MIDC	Fixed	-	7,600	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	April	MIDC	Fixed	10,400	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	May	MIDC	Fixed	10,400	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	10,400	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	May	MIDC	Fixed	10,400	8,200	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	-	8,200	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	20,800	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	-	15,549	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	10,400	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	May	MIDC	Fixed	-	8,200	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	May	MIDC	Fixed	10,400	-	\$ 61.75	N/A
BARC-E	Barclays Bank PLC - Electric	7/1/2012	6/30/2017	2014	June	MIDC	Fixed	10,000	-	\$ 49.15	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	10,000	-	\$ 40.75	N/A
CEI-E	Citigroup Energy Inc.	7/1/2010	6/30/2020	2014	June	MIDC	Fixed	10,000	8,000	\$ 62.40	\$ 62.40
CEI-E	Citigroup Energy Inc.	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	-	8,000	N/A	\$ 30.30
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	20,000	-	\$ 40.85	N/A
CRGL-E	Cargill Power Markets, LLC	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	-	16,000	N/A	\$ 30.00
DBET-E	DB Energy Trading - Electric	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	10,000	-	\$ 41.00	N/A
MLCI-E	Merrill Lynch Commodities, Inc	1/1/2013	12/31/2014	2014	June	MIDC	Fixed	-	8,000	N/A	\$ 30.50
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2013	6/30/2017	2014	June	MIDC	Fixed	10,000	-	\$ 61.75	N/A

MCC-078  
 OFF-SYSTEM INDEX PRICE TRANSACTIONS

Counterparty	Counterparty Full Name	Start Date	End Date	Year	Month	On Peak MWh	Off Peak MWh	On Peak Price	Off Peak Price
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	July	(10,400)	-	\$ 45.39	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	July	(10,400)	(8,200)	\$ 42.17	\$ 17.79
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	July	-	(16,400)	N/A	\$ 20.98
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	July	(20,800)	-	\$ 45.39	N/A
BPEC-E	BP Energy Company	7/1/2013	7/31/2013	2013	July	(10,400)	-	\$ 45.29	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	July	-	(16,400)	N/A	\$ 20.98
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	July	(20,800)	-	\$ 45.39	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	August	(10,800)	-	\$ 39.03	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	August	(10,800)	(7,800)	\$ 36.03	\$ 22.78
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	August	-	(15,600)	N/A	\$ 26.26
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	August	(21,600)	-	\$ 39.03	N/A
BPEC-E	BP Energy Company	8/1/2013	8/31/2013	2013	August	(21,600)	-	\$ 38.98	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	August	-	(15,600)	N/A	\$ 26.26
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	August	(21,600)	-	\$ 39.03	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	September	(9,600)	-	\$ 38.01	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	September	(9,600)	(8,400)	\$ 35.01	\$ 26.36
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	September	-	(16,787)	N/A	\$ 30.21
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	September	(19,200)	-	\$ 38.01	N/A
BPEC-E	BP Energy Company	9/1/2013	9/30/2013	2013	September	(9,600)	-	\$ 38.01	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	September	-	(16,800)	N/A	\$ 30.21
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	September	(19,200)	-	\$ 38.01	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	October	(10,800)	-	\$ 36.82	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	October	(10,800)	(7,800)	\$ 33.82	\$ 27.64
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	October	-	(15,600)	N/A	\$ 31.11
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	October	(21,600)	-	\$ 36.82	N/A
BPEC-E	BP Energy Company	10/1/2013	10/31/2013	2013	October	(10,800)	-	\$ 36.77	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	October	-	(15,600)	N/A	\$ 31.11
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	October	(21,600)	-	\$ 36.82	N/A
PSEM-E	Puget Sound Energy	11/1/2013	12/31/2013	2013	November	(10,000)	-	\$ 37.39	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	November	(10,000)	-	\$ 37.37	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	November	(10,000)	(8,025)	\$ 34.37	\$ 27.29
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	November	-	(16,050)	N/A	\$ 30.66
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	November	(20,000)	-	\$ 37.37	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	November	-	(16,050)	N/A	\$ 30.66
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	November	(20,000)	-	\$ 37.37	N/A
PSEM-E	Puget Sound Energy	11/1/2013	12/31/2013	2013	December	(10,000)	-	\$ 56.11	N/A
PGEM-E	Portland General Electric Company	12/1/2013	12/31/2013	2013	December	(20,000)	-	\$ 56.09	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2013	December	(10,000)	-	\$ 56.09	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2013	December	(10,000)	(8,600)	\$ 52.78	\$ 40.95
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	December	-	(17,200)	N/A	\$ 44.85
CORP-E	Shell Energy North America (US), L.P.	1/1/2013	12/31/2013	2013	December	(20,000)	-	\$ 56.09	N/A
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	December	-	(17,200)	N/A	\$ 44.85
BARC-E	Barclays Bank PLC - Electric	1/1/2013	12/31/2013	2013	December	(20,000)	-	\$ 56.09	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	January	(10,400)	-	\$ 40.98	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	January	(10,400)	(8,200)	\$ 37.98	\$ 35.85
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	January	-	(32,800)	N/A	\$ 39.34
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	January	(41,600)	-	\$ 40.98	N/A
BPEC-E	BP Energy Company	1/1/2014	1/31/2014	2014	January	(20,800)	-	\$ 40.98	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	February	(9,600)	-	\$ 73.63	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	February	(9,600)	(7,200)	\$ 70.63	\$ 60.96
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	February	-	(28,523)	N/A	\$ 62.20
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	February	(38,400)	-	\$ 73.63	N/A
BPEC-E	BP Energy Company	2/1/2014	2/28/2014	2014	February	(9,600)	-	\$ 73.63	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	March	(10,400)	-	\$ 31.76	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	March	(10,400)	(8,175)	\$ 28.76	\$ 14.70
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	March	-	(32,700)	N/A	\$ 18.75
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	March	(41,600)	-	\$ 31.76	N/A
BPEC-E	BP Energy Company	3/1/2014	3/31/2014	2014	March	(10,400)	-	\$ 31.76	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	April	(10,400)	-	\$ 30.99	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	April	(10,400)	(7,600)	\$ 27.99	\$ 13.65
CRGL-E	Cargill Power Markets, LLC	4/1/2014	4/30/2014	2014	April	(10,400)	-	\$ 30.99	N/A
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	April	-	(30,400)	N/A	\$ 17.34
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	April	(41,600)	-	\$ 30.99	N/A
PGEM-E	Portland General Electric Company	5/1/2014	5/31/2014	2014	May	(10,400)	-	\$ 33.87	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	May	(10,400)	-	\$ 33.84	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	May	(10,400)	(8,200)	\$ 30.84	\$ 2.76
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	May	-	(32,296)	N/A	\$ 6.12
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	May	(41,600)	-	\$ 33.84	N/A
MSCG-E	Morgan Stanley Capital Group, Inc.	7/1/2012	6/30/2017	2014	June	(10,000)	-	\$ 34.40	N/A
CSEL-E	Credit Suisse Energy, LLC - Electric	7/1/2010	6/30/2015	2014	June	(10,000)	(8,000)	\$ 31.40	\$ 8.03
CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014	June	-	(32,000)	N/A	\$ 12.43

CORP-E	Shell Energy North America (US), L.P.	1/1/2014	12/31/2014	2014 June	(40,000)	-	\$	34.40	N/A
BPEC-E	BP Energy Company	6/1/2014	6/30/2014	2014 June	(10,000)	-	\$	34.40	N/A

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

**MCC-088**      Regarding:    Table At FVB-15  
                  Witness:      Frank V. Bennett

Please provide versions of the table at FVB-15 reflecting actual results for each of the NorthWestern tracker periods 2010/2011, 2011/2012 and 2012/2013.

RESPONSE (November 7, 2014):

NorthWestern has objected to a portion of this. Please see the objection filed November 7. Without waiving said objection, NorthWestern responds as follows to the non-objectionable portion of the request:

The table for 12 months of actual values for the 2012/2013 tracking period has not been prepared for this docket. Values within the table can be updated to actuals through June 2013 by using Exhibit \_\_ (FVB-1)12-13 Updated specifically the categories within pages 3 and 4.

UPDATED RESPONSE (December 22, 2014):

Pursuant to the Notice of Commission Action issued on December 10, 2014, NorthWestern provides the following updated versions of the tables.

Please note there have been MWh volume corrections to values in the electric supply tracking exhibit. In response to Data Request MCC-042, the MWh volumes of DGGs for February 2013 were corrected. Also in the second updated response to MCC-052, filed simultaneously with this updated response, NorthWestern corrected MWh volumes of Basin Creek that do not impact the rate calculation.

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

MCC-088 cont'd

**Electricity Supply Cost Tracker -- 2010/2011**

<b>Beginning Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$6,980,033

<b>Energy Supply/Service</b>	<b>MWh</b>	<b>Cost (\$)</b>	<b>\$/MWh</b>
Off System Transactions			
Fixed Price	620,600	\$30,611,920	\$49.33
Index Price	(662,600)	(\$13,850,763)	\$20.90
On System Transactions			
Rate Based Assets	1,074,758		
Base Fixed Price Purchase	3,590,459	\$157,032,494	\$43.74
Index Price	1,713,021	\$40,037,229	\$23.37
Imbalance		\$4,295,429	
Ancillary and Other	16,270	\$20,210,682	
Transmission Costs	NA	\$5,062,048	
Administrative Expenses	NA	\$2,012,272	
Carrying Cost	NA	\$1,673,166	
Total Expenses:		\$247,084,477	

<b>Electricity Sales</b>	<b>MWh</b>	<b>Revenue (\$)</b>
Electric Cost Revenue		\$230,737,357
Prior Deferred Expense		(\$1,099,314)
Total Revenue:		\$229,638,043

<b>Ending Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$24,426,468

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

MCC-088 cont'd

**Electricity Supply Cost Tracker -- 2011/2012**

<b>Beginning Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$24,426,468

<b>Energy Supply/Service</b>	<b>MWh</b>	<b>Cost (\$)</b>	<b>\$/MWh</b>
Off System Transactions			
Fixed Price	580,000	\$27,080,260	\$46.69
Index Price	(576,325)	(\$10,159,912)	\$17.63
On System Transactions			
Rate Based Assets	1,496,959		
Base Fixed Price Purchase	3,499,772	\$157,454,837	\$44.99
Index Price	1,212,697	\$19,979,900	\$16.48
Imbalance	236,043	\$6,476,631	
Ancillary and Other	13,083	\$23,405,913	
Transmission Costs	NA	\$583,047	
Administrative Expenses	NA	\$1,650,923	
Carrying Cost	NA	\$1,542,534	
Total Expenses:		\$228,014,133	

<b>Electricity Sales</b>	<b>MWh</b>	<b>Revenue (\$)</b>
Electric Cost Revenue		\$217,479,472
Prior Deferred Expense		\$19,648,411
Total Revenue:		\$237,127,883

<b>Ending Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$15,312,718

**NorthWestern Energy**  
**Docket D2013.5.33/D2014.5.46**  
**Electric Tracker**

**Montana Consumer Counsel (MCC)**  
**Set 1 (001-112)**

Data Requests received October 24, 2014

MCC-088 cont'd

**Electricity Supply Cost Tracker -- 2012/2013**

<b>Beginning Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$15,312,718

<b>Energy Supply/Service</b>	<b>MWh</b>	<b>Cost (\$)</b>	<b>\$/MWh</b>
Off System Transactions			
Fixed Price	1,041,910	\$43,717,269	\$41.96
Index Price	(1,041,809)	(\$23,512,198)	\$22.57
On System Transactions			
Rate Based Assets*	1,738,499		
Base Fixed Price Purchase*	3,198,317	\$144,450,406	\$45.16
Index Price	1,410,720	\$28,346,435	\$20.09
Imbalance	154,421	\$5,759,803	
Ancillary and Other	33,789	\$25,876,105	
Transmission Costs	NA	\$735,776	
Administrative Expenses	NA	\$1,622,940	
Carrying Cost	NA	\$314,107	
Total Expenses:		\$227,310,644	

<b>Electricity Sales</b>	<b>MWh</b>	<b>Revenue (\$)</b>
Electric Cost Revenue		\$229,812,568
Prior Deferred Expense		\$12,595,087
Total Revenue:		\$242,407,655

<b>Ending Deferred Account</b>		<b>Balance (\$)</b>
Under-Collection		\$215,706

Note\*: Includes update MWh values detailed in updated response to MCC-088.