



November 5, 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
MEIC Set 2 (012-032) Data Requests**

Dear Ms. Whitney:

Enclosed for filing is a copy of NorthWestern Energy's responses to MEIC Set 2 (012-032) data requests. The responses will be hand delivered to the Montana Public Service Commission and the Montana Consumer Counsel. The responses will be mailed to the service list in this docket and e-filed with the PSC, and emailed to counsel of record.

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

Sincerely,

Tracy Lowney Killoy
Administrative Assistant

CERTIFICATE OF SERVICE

I hereby certify that a copy of Northwestern Energy's responses to MEIC Set 2 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. They will be e-filed on the PSC website, e-mailed to counsel of record, and served on the most recent service list by mailing a copy thereof by first class mail, postage prepaid.

Date: November 5, 2014


Tracy Lowney Killoy
Administrative Assistant
Regulatory Affairs

Docket No. D2013.5.33/ D2014.5.46
Service List

Al Brogan
NorthWestern Energy
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Helena MT 59601

Charles Magraw
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Helena MT 59601

Dr. Thomas M. Power
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Joe Schwartzberger
NorthWestern Energy
40 E Broadway
Butte MT 59701

Tracy Lowney Killoy
NorthWestern Energy
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John W. Wilson
JW Wilson & Associates
1601 N Kent Ste 1104
Arlington VA 22209

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-12 Subject: Resolving the Colstrip 4 Outage
 Witness: Mike Barnes

Please provide a detailed list of the events that actually represented the critical path of returning Colstrip Unit 4 to service following the July 1, 2013 trip and the date(s) for which each such event actually represented the outage critical path.

RESPONSE:

The critical path for recovery of Unit 4 returning to service was the rebuild of the generator core iron and installation of the rewind kit. The rebuild or replacement rotor was not part of the critical path since a critical spare rotor was available to be placed into service once the core was rebuilt and rewound. Siemens provided the timeline for the core rebuild and rewind. This timeline is found in an email from Neil Dennehy dated 8/21/13 at 8:17am (generator repair, restack, and rewind schedule timeline chart). This email contains information that Siemens plans to protect from public disclosure. Once the Commission has acted on the Motion for Protective Order filed by Siemens, NorthWestern will provide this email in response to MEIC-2.

NorthWestern was not provided a step by step accounting by which each line item in the schedule was completed; instead, we were sent emails that detailed work accomplished in last shift and work anticipated to be completed during the next shift (MEIC-2 daily reports – will be produced after the Commission acts on Siemens’ Motion for Protective Order) during the rebuild of the core and the subsequent rewind. We were also kept apprised of the status of the schedule relative to the overall plan for repair. When reviewing the Siemens schedule, it is important to recognize that once the core was rebuilt and rewound, the generator had to be reassembled.

The following represents critical milestones and completion dates

Core Section delivery - Scheduled [REDACTED] - Completed [REDACTED]
Core Section installation – Scheduled [REDACTED] – Completed [REDACTED]
Rewind installation – Scheduled [REDACTED] – Completed [REDACTED]
Unit on Turning Gear – Scheduled [REDACTED] – Completed [REDACTED]

Dates have been redacted from this response as Siemens has indicated that this information is considered confidential and will file a Motion for Protective Order with the Commission. NorthWestern will file updated responses to this data response in accordance with the Commission’s order regarding Siemens’ Motion for Protective Order.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-13 Subject: Schedule for Fixing the Colstrip 4 Outage
 Witness: Mike Barnes

Provide each schedule prepared by or for the Company on or after July 1, 2013 and through January 23, 2014 which projected the date when Colstrip Unit 4 was forecast to return to service and the key repairs or equipment replacements that would be required before the Unit could return to service.

RESPONSE:

See the response to Data Request MEIC-6 – specifically, the email and attachment from Neil Dennehy on 7/16/13 2:20 where Neil forecasts a return to service in early February 2014 and the email and the file attached in the 8/21/13 8:17 email from Neil Dennehy (generator repair, restack, & rewind schedule timeline chart). In that email the Operator estimates the forecast date for returning to service. These emails will be provided once Siemens' Motion for Protective Order has been acted on by the Commission.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-14 Subject: Repair Plan for Colstrip 4 Outage
 Witness: Mike Barnes

Please refer to the direct testimony of Kevin J. Markovich, page 9, lines 10-12 referring to a “repair plan.” Please produce:

- a. the repair plan;
- b. communications dated July 19, 2013 from the owners of Colstrip Unit 4 indicating that they concurred in the repair plan;
- c. all communications, including e-mails, sent between July 1, 2013 and July 19, 2013, from NorthWestern to any owner of Colstrip Unit 4 regarding the causes of the July 1 event that led Colstrip Unit 4 to trip off-line.
- d. all communications, including e-mails, sent between July 1, 2013 and July 19, 2013, to NorthWestern from any owner of Colstrip Unit 4 regarding the causes of the July 1 event that led Colstrip Unit 4 to trip off-line.
- e. all communications, including e-mails, sent between July 1, 2013 and July 19, 2013, from NorthWestern to any owner of Colstrip Unit 4 regarding the “repair plan” for Colstrip Unit 4.
- f. all communications, including e-mails, sent between July 1, 2013 and July 19, 2013, to NorthWestern from any owner of Colstrip Unit 4 regarding the “repair plan” for Colstrip Unit 4.

RESPONSE:

- a. See the response to Data Request MEIC-6, specifically the email and attachment from Neil Dennehy dated 7/16/2013 at 2:20 p.m. Please note that this email contains information that Siemens plans to protect. It will be produced after Siemens’ Motion for Protective Order is acted on by the Commission.
- b. There are no communications dated July 19, 2013; however, see the response to MEIC-6, specifically the meeting minutes from the 7/17/13 Owners Meeting where unanimous approval was given to execute the repair plan. Please note that this document contains information that Siemens plans to protect. It will be produced after Siemens’ Motion for Protective Order is acted on by the Commission.
- c. There are none.
- d. There are none.
- e. There are none.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-14 cont'd

f. There are none.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-15 Subject: Repair Plan for Colstrip 4 Outage
 Witness: Mike Barnes

Please refer to the direct testimony of Kevin J. Markovich, page 9, lines 10-12 referring to a “repair plan.” To the extent not produced in response to MEIC-015, please produce:

- a. all communications, including e-mails, sent between July 1, 2013 and the end of the outage on January 23, 2014 from NorthWestern to any owner of Colstrip Unit 4 regarding the causes of the July 1 event that led Colstrip Unit 4 to trip off-line.
- b. all communications, including e-mails, sent between July 1, 2013 and the end of the outage on January 23, 2014 to NorthWestern from any owner of Colstrip Unit 4 regarding the causes of the July 1 event that led Colstrip Unit 4 to trip off-line.
- c. all communications, including e-mails, sent between July 1, 2013 and the end of the outage on January 23, 2014 from NorthWestern to any owner of Colstrip Unit 4 regarding the “repair plan” for Colstrip Unit 4.
- d. all communications, including e-mails, sent between July 1, 2013 and the end of the outage on January 23, 2014 to NorthWestern from any owner of Colstrip Unit 4 regarding the “repair plan” for Colstrip Unit 4.

RESPONSE:

- a. There are none.
- b. There are none.
- c. There are none.
- d. There are none.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-16 Subject: Colstrip 4 Outage Meetings
 Witness: N/A

Please indicate whether the Company had meetings during the period July 1, 2013 to January 23, 2014 to discuss the work that was being done and that needed to be done to return Colstrip Unit 4 to service. If the answer is yes, please provide the notes or minutes of each such meeting and all attachments thereto.

RESPONSE:

NorthWestern discussed the outage during Board meetings as documented in the materials provided in response to Data Request MEIC-3. Additionally, the Energy Supply Board was given several updates on the progress of the Colstrip Unit 4 repairs as documented in the attached minutes. Please note that information that is not responsive has been redacted.

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
July 15, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on July 15, 2013, at 1:00 p.m. Mountain Time. Board members present for the meeting were Bob Rowe, Brian Bird, Pat Corcoran, Heather Grahame (as noted) and John Hines. Others in attendance at the meeting were Mike Barnes, Dave Fine, Dennis Heinz, John Kasperick, Kendall Kliewer, Bleau LaFave (as noted), Kevin Markovich, Mike Nieman (as noted), Dawn Petritz (as noted), Bill Rhoads (as noted) and Elaine Vesco. Tamra Lydic served as secretary for the meeting.

Approval of Prior Meeting Minutes



Mid-Office Report



Update on Contracts with Qualifying Facilities



Colstrip Unit 4 Financial Report



Updates also were provided on the recent Colstrip Unit 4 rotor failure [redacted] A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 1:30 p.m. Mountain Time.

Respectfully submitted,



Tamra Lydic, Acting Secretary

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
August 12, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on August 12, 2013, at 9:00 a.m. Mountain Time. Board members present for the meeting were Bob Rowe, Brian Bird, and John Hines. Pat Corcoran and Heather Grahame were unable to attend. Others in attendance at the meeting were Mike Barnes, Dave Fine, Dennis Heinz, Kendall Kliewer, Bleau LaFave, Tammy Lydic, Kevin Markovich, Mike Nieman, Dawn Petritz, Bill Rhoads (as noted), Dennis Wagner and Elaine Vesco. Emily Larkin served as secretary for the meeting.

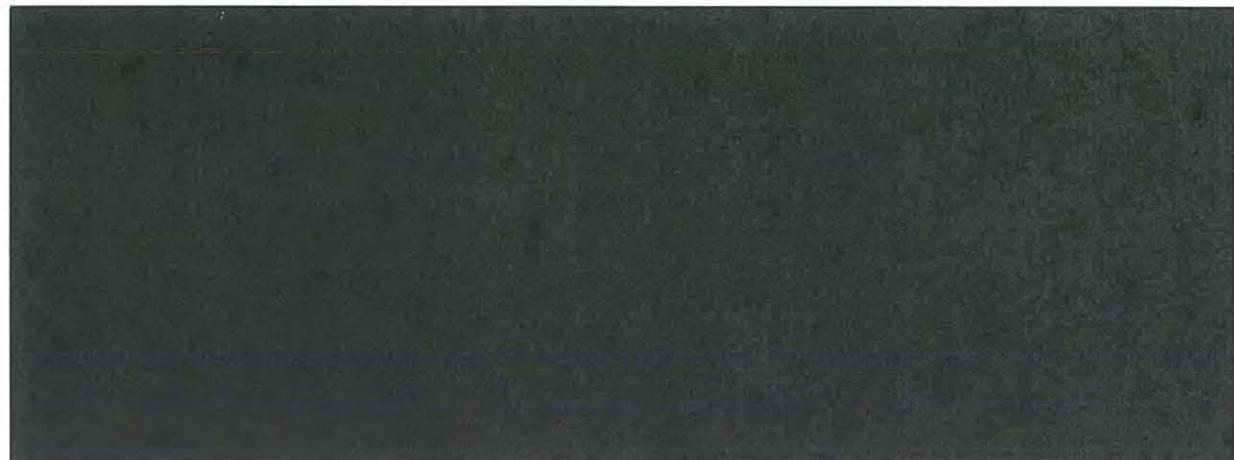
Approval of Prior Meeting Minutes



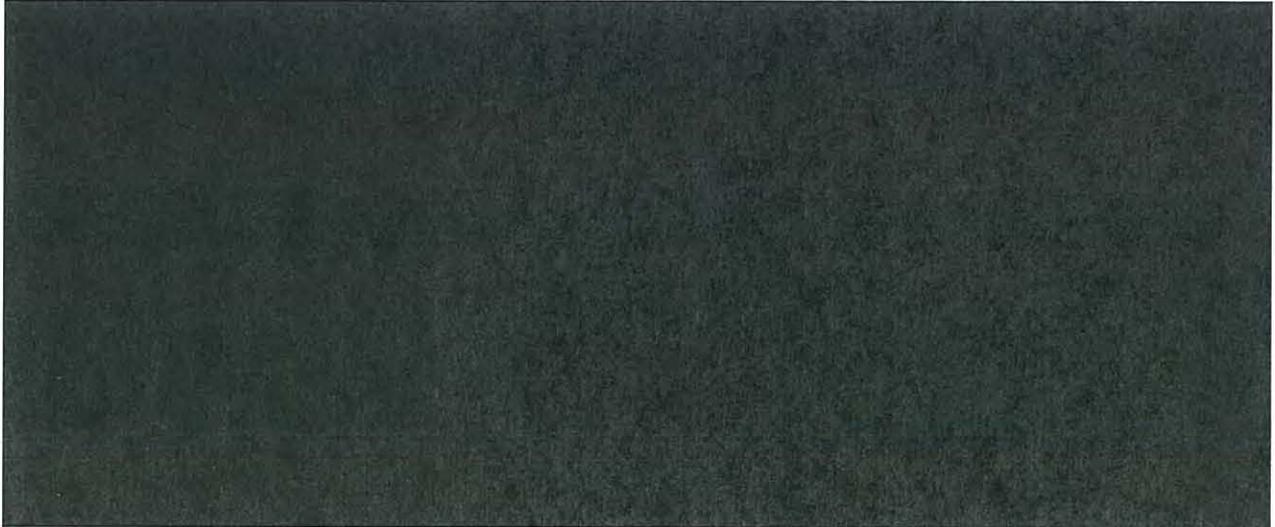
Mid-Office Report



Retirement of Huron Propane Air Plant



South Dakota Production Overview and Recommendations



Colstrip Unit 4 Financial Report

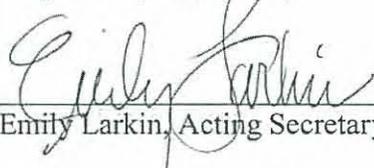


Mr. Barnes also provided an update on the previously discussed Colstrip Unit 4 generator failure and noted that the Company expects full insurance recovery for the cost of the damages, net of the Company's portion of the deductible. A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 10:00 a.m. Mountain Time.

Respectfully submitted,


Emily Larkin, Acting Secretary

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
September 13, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on September 13, 2013, at 1:00 p.m. Mountain Time. Board members present for the meeting were Bob Rowe, Brian Bird, Pat Corcoran, Heather Grahame and John Hines. Others in attendance at the meeting were Mike Barnes, Dave Fine, Dennis Heinz, John Kasperick, Kendall Kliewer, Bleau LaFave, Tammy Lydic, Mike Nieman, Dawn Petritz, Bill Rhoads, Dennis Wagner and Elaine Vesco. Emily Larkin served as secretary for the meeting.

Approval of Prior Meeting Minutes



Mid-Office Report



Colstrip Unit 4 Financial Report

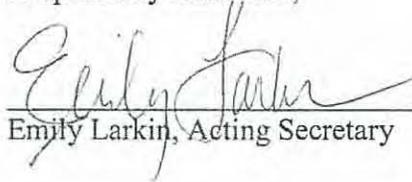


Mr. Barnes provided an update on the previously discussed Colstrip Unit 4 generator failure and noted that disassembly of the generator is complete and the parts have been shipped back; the Unit is currently waiting for replacement parts. He also noted that PPL has indicated the property insurer, FM Global, is expected to be sending prepayment of the reimbursable insurance claim in the amount of \$10M in September to PPL, of which \$1.5M will be subsequently sent to NorthWestern by PPL, which will net against our costs relative to the repair. Mr. Barnes also reported that PPL indicated that the expectation was that two more \$10M payments would be made to PPL by FM Global, one more in 2013 and another in early 2014, then the balance, if any, would be paid by mid-year 2014. A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 1:30 p.m. Mountain Time.

Respectfully submitted,



Emily Larkin, Acting Secretary

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
October 16, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on October 16, 2013, at 12:00 p.m. Mountain Time. Board members present for the meeting were Brian Bird, Pat Corcoran and John Hines. Bob Rowe and Heather Grahame were unable to attend. Others in attendance at the meeting were Mike Barnes, Andrew McLain, Dave Fine, Danette Gleason, Dennis Heinz, John Kasperick, Kendall Kliewer, Bleau LaFave, Kevin Markovich, Mike Nieman, Dawn Petritz, Bill Rhoads, Dennis Wagner and Elaine Vesco. Emily Larkin served as secretary for the meeting.

Approval of Prior Meeting Minutes



CREP Update



Mid-Office Report



Colstrip Unit 4 Financial Report

[REDACTED]

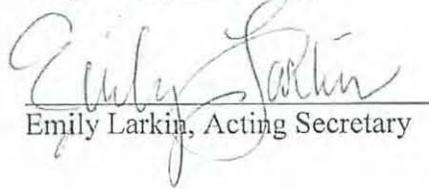
[REDACTED] Mr. Barnes also provided an update on the previously discussed Colstrip Unit 4 generator failure and noted that the unit should be back up and running as early as February 1, 2014. [REDACTED]

[REDACTED] A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 12:45 p.m. Mountain Time.

Respectfully submitted,


Emily Larkin, Acting Secretary

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
November 18, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on November 18, 2013, at 9:00 a.m. Mountain Time. Board members present for the meeting were Pat Corcoran, Heather Grahame and John Hines. Bob Rowe and Brian Bird were unable to attend. Others in attendance at the meeting were Mike Barnes, Andrew McLain, Dave Fine, Dennis Heinz, John Kasperick, Bleau LaFave, Kevin Markovich, Mike Nieman, Dawn Petritz and Bill Rhoads. Emily Larkin served as secretary for the meeting.

Approval of Prior Meeting Minutes



Mid-Office Report



Titan Purchase Evaluation



BH Wind



HPL Farm Tap Filing



Colstrip Unit 4 Financial Report

[REDACTED]

[REDACTED] Mr. Barnes also provided an update on the previously discussed Colstrip Unit 4 generator failure and noted that the parts have started to arrive and reassembly of the unit is beginning. [REDACTED]

[REDACTED] A discussion was held.

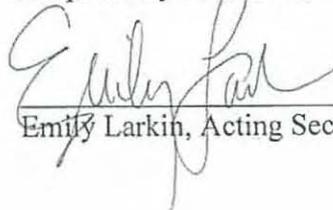
Ascend Analytics Valuation of PPL Hydro Asset Acquisition



Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 10:15 a.m. Mountain Time.

Respectfully submitted,



Emily Larkin, Acting Secretary

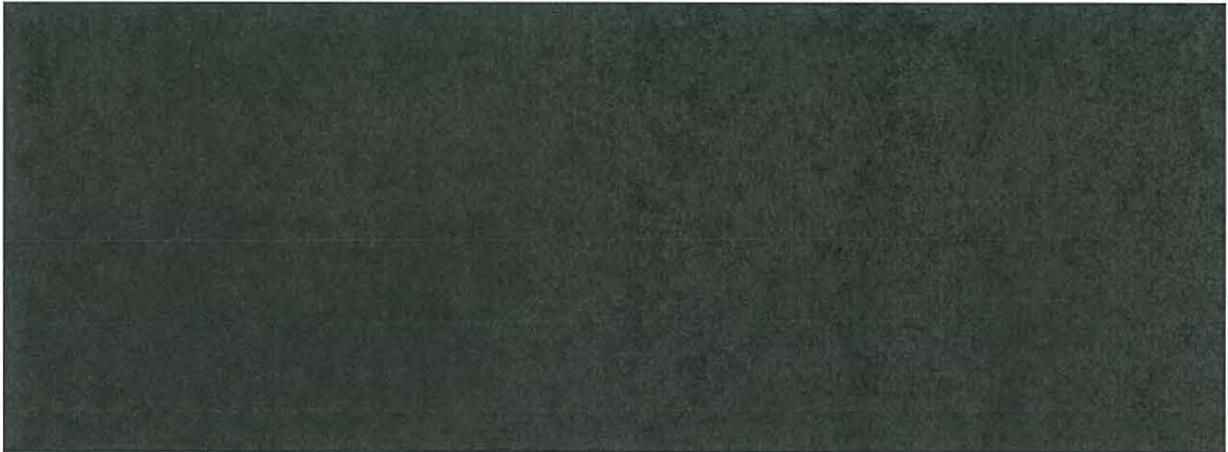
**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
December 16, 2013**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on December 16, 2013, at 1:00 p.m. Mountain Time. Board members present for the meeting were Brian Bird, Pat Corcoran (as noted), Heather Grahame and John Hines. Bob Rowe was not available to attend. Others participating in the meeting were Mike Barnes, Dennis Heinz, John Kasperick, Jon Oostra (as noted), Bleau LaFave, Kevin Markovich, Andrew McLain, Bob Ming, Mike Nieman, Dawn Petritz and Elaine Vesco. Emily Larkin served as secretary for the meeting.

Approval of Prior Meeting Minutes



Mid-Office Report



Energy Risk Management Policy



Montana CREP - Crazy Mountain Power Purchase Agreement



Montana CREP - Greycliff Power Purchase Agreement



B&H Wind MW Qualified Facility for South Dakota



Colstrip Unit 4 Financial Report

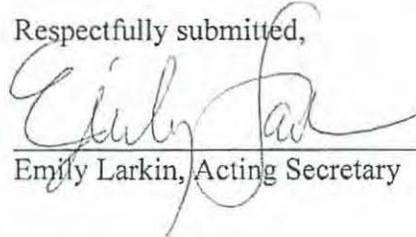


Mr. Kasperick also noted that the Colstrip Unit 4 should be online February 1, 2014. A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 2:10 p.m. Mountain Time.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Emily Larkin", written over a horizontal line.

Emily Larkin, Acting Secretary

**NORTHWESTERN CORPORATION
ENERGY SUPPLY BOARD
MINUTES OF REGULAR MEETING
April 14, 2014**

A regular meeting of the NorthWestern Corporation (the "Company") Energy Supply Board (the "Board") was held via telephone conference call on April 14, 2014, at 9:00 a.m. Mountain Time. Board members present for the meeting were Bob Rowe, Brian Bird, Pat Corcoran, Heather Grahame and John Hines. Others in attendance at the meeting were Mike Barnes, Pam Bonrud, Dennis Heinz, John Kasperick, Kendall Kliewer, Bleau LaFave, Kevin Markovich, Andrew McLain, Mike Nieman, Bill Rhoads, Joe Schwartzenberger, Mary-Gail Sullivan, Bill Thomas and Elaine Vesco. Emily Larkin served as secretary for the meeting.

Approval of Prior Meeting Minutes



Mid-Office Report



Demand Side Management – South Dakota



Demand Side Management – Montana





Carbon Off-Set Plan Recommendations



Colstrip Unit 4 Financial Report

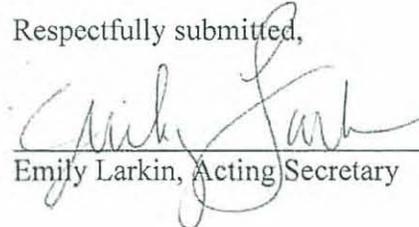


Mr. Barnes also provided an update on the previously discussed Colstrip Unit 4 generator status. A discussion was held.

Adjournment

The Board agreed there was no further business to discuss. The meeting was adjourned at approximately 10:20 a.m. Mountain Time.

Respectfully submitted,



Emily Larkin, Acting Secretary

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-17 Subject: Shift Reports During Colstrip 4 Outage
 Witness: Mike Barnes

Provide copies of any Colstrip Unit 4 shift reports for any part of the period beginning on 12:01 am on July 1, 2013 through the Unit's return to service on January 23, 2014.

RESPONSE:

Please see Attachments 1 and 2. These attachments contain examples of shift reports received once a day from PPL regarding Unit 4. Per an agreement with counsel for MEIC/Sierra Club, NorthWestern is only providing two of the 207 shift reports as all other shift reports show the exact same quantitative status for Unit 4 as the two shift reports provided in response to this data request.

NorthWestern also received twice daily shift reports from PPL as the repair work was being completed by Siemens. These shift reports contain information that Siemens plans to protect. NorthWestern will produce these shift reports in response to Data Request MEIC-2 once the Commission has acted on Siemens' Motion for Protective Order.

From: [Barnes, Michael](#)
To: [Stauffer, Roberta](#); [Norcott, Sarah](#)
Subject: FW: COLSTRIP STATUS REPORT: Units 3 & 4 - January 21, 2014 @ 0400
Date: Tuesday, October 28, 2014 3:36:37 PM

Sara / Bobbi

This is a Colstrip Status report from the Plant on Jan 21, 2014 (near the end of the outage – note states the Unit 4 is in start-up) - I will send you one in the next couple of minutes from the beginning of the outage. All daily status reports in-between show the same quantitative status for Colstrip Unit 4.

Mike

From: Whiteman, James L [mailto:JWhiteman@pplweb.com]
Sent: Tuesday, January 21, 2014 3:43 AM
To: Francis, Arthur; Brad Holmes; Brian Gallagher; Cathey, Ryan William; Perez, Cheri; Claire Locke; Colvin, Lawrence G; Boltz, David; Delinski, Christopher; Dennehy, Neil J; Dunn, Russell D; Earl Shepard; Ed Odom; EPLUW, RealTime; EPLUW, Trading; Evan Sorrell; Galetti, Gary J; Tingley, Gary; Healy, John P; Hoerner, Joseph; Jacobs, Josh; Kenneth Santman; Mattern, Kim; Lewis, Kathryn M; Barkell, Lisa A; LoadOffice-OPRELLO-list-@pse.com; Oathes, Lori; Mackenzie Martin; Mark Smith; Staples, Max; Barnes, Michael; CASHELL, MICHAEL R; Jones, Michael; Morrison, Donald J; Mallowney, Debra D; Realttime; PPLMT, Owner Status; PacifiCorp Generation Desk; PacifiCorp Real Time; Puget Real Time Traders; Roberts, Roberta J; Roberts, Rod; Shahan, Robin L; Avalos, Salvador; Sanders, Cindy L; Semmens, Michael K; Simonich, Pete J; Spear, Rosemarie; Malick, Steve; Stevens, Mark R
Subject: COLSTRIP STATUS REPORT: Units 3 & 4 - January 21, 2014 @ 0400

| COLSTRIP STATUS REPORT Units 3 & 4 January 21, 2014 @ 0400 | | |
|---|---------------------------|---------------------|
| | Unit 3 | Unit 4 |
| Available Load (MW) | ██████████ | 0 |
| Actual Load | █ | 0 |
| Yesterday's net Gen (MWH) | ██████████ | 0 |
| Yesterday's Hrly Avg. (MWN) | ██████████ | 0 |
| Stack Opacity (%) | ██████████ | Off-line |
| Last Synchronized | ████████████████████ | 06-29-2013 @ 16:10 |
| Reduction – Reason and Expected return to service/full load: | ████████████████████ █ | Startup in progress |
| Forced: | | |
| | | |

| | | |
|---------------------------------------|--|--|
| Scheduled: | | |
| Startup delays: | | |
| Projected outages or load reductions: | | |

Contact the CSES Shift Supervisor at **406-748-5086** for additional information.

The information contained in this message is intended only for the personal and confidential use of the recipient(s) named above. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately, and delete the original message.

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From: [Barnes, Michael](#)
To: [Norcott, Sarah](#); [Stauffer, Roberta](#)
Subject: FW: COLSTRIP STATUS REPORT Units 3 & 4
Date: Tuesday, October 28, 2014 3:38:45 PM

Sara / Bobbi

This email below is the as promised daily status report showing the quantitative values for Colstrip Unit 4 as near the end of the outage (earlier email).

Mike

From: Wells, Jonathan R [mailto:JRWells@pplweb.com]
Sent: Wednesday, July 03, 2013 4:19 AM
To: Francis, Arthur; 'Brad Holmes'; Perez, Cheri; 'Claire Locke'; Colvin, Lawrence G; Boltz, David; Dennehy, Neil J; Dunn, Russell D; 'Earl Shepard'; 'Ed Odom'; Elias, Lance E; EPLUW, RealTime; EPLUW, Trading; 'Evan Sorrell'; Galetti, Gary J; Tingley, Gary; Healy, John P; 'Janice Brown'; Hoerner, Joseph; Jacobs, Josh; 'Kenneth Santman'; Mattern, Kim; Lewis, Kathryn M; Barkell, Lisa A; Oathes, Lori; 'Mackenzie Martin'; 'Mark Smith'; Staples, Max; Barnes, Michael; CASHELL, MICHAEL R; Jones, Michael; Morrison, Donald J; MULLOWNEY, Debra D; Realtime; PPLMT, Owner Status; 'PacifiCorp Generation Desk'; 'PacifiCorp Real Time'; 'Puget Real Time Traders'; Roberts, Roberta J; Roberts, Rod; Shahan, Robin L; Avalos, Salvador; Sanders, Cindy L; Semmens, Michael K; Simonich, Pete J; Spear, Rosemarie; Malick, Steve; Stevens, Mark R
Subject: COLSTRIP STATUS REPORT Units 3 & 4

| COLSTRIP STATUS REPORT | | |
|--|----------------------|--------------------|
| Units 3 & 4 | | |
| July 3, 2013, @ 04:00 | | |
| | Unit 3 | Unit 4 |
| Available Load (MW) | ██████████ | 0 |
| Actual Load | ██ | 0 |
| Yesterday's net Gen (MWH) | ██████████ | 0 |
| Yesterday's Hrly Avg. (MWN) | ██ | 0 |
| Stack Opacity (%) | ██ | 0 |
| Last Synchronized | ████████████████████ | 06/29/2013 @ 16:10 |
| Reduction – Reason and Expected return to service/full load: | ██████████ | Generator Problems |
| Forced: | | |
| Scheduled: | | |
| Startup delays: | | |
| Projected outages or load reductions: | | |

Contact the CSES Shift Supervisor at 406-748-5086 for additional information.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-18 Subject: Market Purchases During Colstrip 4 Outage
 Witness: Kevin Markovich

Please refer to the direct testimony of Kevin J. Markovich, page 9, line 23 through page 10, line 2. Please provide a detailed description of the market transactions that NorthWestern referenced in the statement that “[d]uring the almost seven-month outage, NorthWestern used market purchases and its Basin Creek generating resource to replace the lost production.”

RESPONSE:

The market purchases were term, day ahead, and hourly transactions consummated in the Western Electricity Coordinating Council (WECC). They are included in Exhibit __ (FVB-1) attached to the Prefiled Direct Testimony of Frank V. Bennett in Docket No. D2014.5.46.

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-19 Subject: Market Purchases During Colstrip 4 Outage
 Witness: Kevin Markovich

Please refer to the direct testimony of Kevin J. Markovich, page 10, lines 14-15. Please identify each of the hours between July 1, 2013 and January 23, 2014 when the “entire 111MW shortfall had to be replaced.” Please produce all supporting documents or analyses.

a. For each hour, please specify the cost of the replacement power.

RESPONSE:

See Attachment. Those hours highlighted in pink are times when Basin Creek generation and on- system market purchases were greater than 111 MW. Those hours with no highlighting represent times when Basin Creek generation and on-system market purchases were less than 111 MW.

a. See attached.

MEIC-19 Volumes

| Row Labels | MW01 | MW02 | MW03 | MW04 | MW05 | MW06 | MW07 | MW08 | MW09 | MW10 | MW11 | MW12 | MW13 | MW14 | MW15 | MW16 | MW17 | MW18 | MW19 | MW20 | MW21 | MW22 | MW23 | MW24 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7/1/2013 | 149 | 130 | 140 | 152 | 187 | 205 | 158 | 175 | 233 | 270 | 267 | 227 | 257 | 277 | 290 | 258 | 285 | 210 | 155 | 90 | 70 | 58 | 150 | 150 |
| 7/2/2013 | 165 | 150 | 160 | 165 | 195 | 211 | 190 | 180 | 229 | 258 | 285 | 271 | 281 | 288 | 292 | 298 | 253 | 206 | 160 | 135 | 161 | 167 | 245 | 170 |
| 7/3/2013 | 240 | 220 | 205 | 209 | 240 | 240 | 260 | 350 | 325 | 355 | 370 | 340 | 330 | 290 | 305 | 315 | 290 | 275 | 260 | 350 | 347 | 324 | 287 | 165 |
| 7/4/2013 | 210 | 198 | 190 | 200 | 225 | 300 | 405 | 423 | 445 | 470 | 475 | 485 | 475 | 495 | 455 | 470 | 420 | 435 | 415 | 436 | 401 | 380 | 285 | 240 |
| 7/5/2013 | 210 | 197 | 200 | 202 | 230 | 240 | 135 | 50 | 65 | 183 | 130 | 224 | 174 | 130 | 140 | 195 | 160 | 85 | 105 | 100 | 160 | 50 | 125 | 225 |
| 7/6/2013 | 195 | 175 | 150 | 150 | 150 | 100 | 0 | 0 | 20 | 90 | 75 | 80 | 35 | 50 | 65 | 100 | 75 | 20 | 0 | 0 | 0 | 0 | 150 | 100 |
| 7/7/2013 | 85 | 80 | 180 | 160 | 160 | 185 | 225 | 235 | 280 | 360 | 355 | 359 | 397 | 334 | 368 | 350 | 335 | 300 | 225 | 252 | 270 | 250 | 160 | 130 |
| 7/8/2013 | 180 | 140 | 163 | 171 | 200 | 130 | 0 | 0 | 80 | 140 | 155 | 135 | 153 | 120 | 145 | 35 | 35 | 35 | 70 | 60 | 35 | 70 | 75 | 50 |
| 7/9/2013 | 100 | 110 | 120 | 130 | 170 | 175 | 75 | 125 | 160 | 167 | 160 | 180 | 190 | 180 | 175 | 190 | 155 | 120 | 110 | 110 | 110 | 110 | 165 | 130 |
| 7/10/2013 | 120 | 130 | 140 | 150 | 189 | 254 | 100 | 169 | 210 | 240 | 255 | 250 | 230 | 225 | 200 | 215 | 219 | 195 | 150 | 150 | 135 | 100 | 145 | 55 |
| 7/11/2013 | 145 | 225 | 210 | 205 | 205 | 180 | 50 | 165 | 145 | 175 | 220 | 265 | 275 | 205 | 155 | 150 | 150 | 90 | 50 | 50 | 50 | 90 | 265 | 120 |
| 7/12/2013 | 0 | 35 | 60 | 25 | 65 | 65 | 50 | 50 | 135 | 140 | 150 | 185 | 205 | 205 | 195 | 195 | 140 | 100 | 130 | 130 | 69 | 50 | 120 | 95 |
| 7/13/2013 | 120 | 90 | 80 | 115 | 120 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 115 | 140 |
| 7/14/2013 | 40 | 30 | 0 | 0 | 15 | 55 | 250 | 250 | 250 | 356 | 361 | 366 | 346 | 356 | 346 | 380 | 370 | 335 | 295 | 285 | 285 | 250 | 92 | 40 |
| 7/15/2013 | 95 | 135 | 138 | 147 | 180 | 198 | 150 | 165 | 215 | 245 | 240 | 235 | 215 | 205 | 215 | 235 | 210 | 150 | 150 | 150 | 150 | 150 | 100 | 0 |
| 7/16/2013 | 45 | 35 | 35 | 42 | 80 | 92 | 50 | 75 | 175 | 220 | 260 | 269 | 270 | 258 | 250 | 245 | 205 | 150 | 105 | 85 | 75 | 75 | 215 | 100 |
| 7/17/2013 | 135 | 115 | 130 | 130 | 170 | 182 | 100 | 130 | 180 | 220 | 245 | 244 | 253 | 260 | 250 | 250 | 198 | 140 | 100 | 100 | 100 | 100 | 220 | 120 |
| 7/18/2013 | 80 | 70 | 60 | 100 | 110 | 130 | 50 | 100 | 145 | 185 | 190 | 200 | 180 | 188 | 180 | 180 | 160 | 130 | 85 | 85 | 85 | 50 | 150 | 45 |
| 7/19/2013 | 60 | 90 | 102 | 105 | 140 | 156 | 50 | 117 | 160 | 211 | 225 | 200 | 200 | 200 | 105 | 105 | 85 | 85 | 85 | 85 | 85 | 85 | 200 | 116 |
| 7/20/2013 | 100 | 90 | 110 | 130 | 140 | 55 | 50 | 50 | 75 | 111 | 165 | 181 | 149 | 163 | 139 | 124 | 85 | 50 | 50 | 50 | 50 | 85 | 145 | 75 |
| 7/21/2013 | 110 | 125 | 125 | 121 | 115 | 129 | 250 | 250 | 250 | 305 | 375 | 400 | 375 | 359 | 380 | 405 | 435 | 405 | 344 | 320 | 330 | 275 | 180 | 100 |
| 7/22/2013 | 50 | 75 | 115 | 145 | 185 | 205 | 110 | 175 | 230 | 260 | 285 | 250 | 200 | 205 | 200 | 215 | 170 | 140 | 110 | 110 | 110 | 110 | 135 | 105 |
| 7/23/2013 | 125 | 125 | 100 | 135 | 171 | 185 | 135 | 135 | 195 | 225 | 215 | 175 | 165 | 185 | 205 | 210 | 160 | 135 | 135 | 135 | 135 | 135 | 220 | 125 |
| 7/24/2013 | 115 | 95 | 89 | 105 | 121 | 150 | 100 | 100 | 165 | 205 | 260 | 230 | 215 | 255 | 255 | 245 | 210 | 165 | 145 | 165 | 135 | 135 | 245 | 50 |
| 7/25/2013 | 40 | 60 | 90 | 90 | 148 | 160 | 100 | 110 | 180 | 220 | 240 | 280 | 260 | 260 | 252 | 235 | 200 | 135 | 135 | 100 | 100 | 100 | 145 | 65 |
| 7/26/2013 | 50 | 40 | 50 | 85 | 135 | 170 | 110 | 110 | 165 | 205 | 225 | 225 | 275 | 295 | 285 | 310 | 234 | 190 | 110 | 110 | 75 | 75 | 125 | 80 |
| 7/27/2013 | 70 | 95 | 130 | 130 | 150 | 90 | 0 | 0 | 50 | 100 | 155 | 185 | 145 | 155 | 130 | 35 | 35 | 35 | 35 | 0 | 0 | 35 | 195 | 145 |
| 7/28/2013 | 65 | 55 | 83 | 93 | 0 | 0 | 150 | 150 | 150 | 205 | 275 | 365 | 295 | 330 | 350 | 375 | 345 | 320 | 305 | 275 | 280 | 270 | 180 | 130 |
| 7/29/2013 | 109 | 93 | 60 | 93 | 0 | 0 | 0 | 25 | 65 | 110 | 165 | 165 | 205 | 210 | 220 | 225 | 173 | 125 | 75 | 65 | 35 | 35 | 120 | 25 |
| 7/30/2013 | 55 | 55 | 80 | 90 | 131 | 55 | 50 | 65 | 105 | 121 | 150 | 160 | 192 | 210 | 210 | 200 | 155 | 130 | 85 | 85 | 85 | 85 | 220 | 135 |
| 7/31/2013 | 110 | 95 | 90 | 95 | 130 | 145 | 110 | 110 | 130 | 170 | 190 | 217 | 222 | 221 | 216 | 206 | 176 | 141 | 103 | 75 | 75 | 75 | 205 | 90 |
| 8/1/2013 | 118 | 50 | 35 | 35 | 75 | 140 | 25 | 124 | 153 | 135 | 140 | 190 | 175 | 110 | 120 | 80 | 25 | 25 | 25 | 55 | 25 | 25 | 90 | 75 |
| 8/2/2013 | 107 | 90 | 65 | 114 | 80 | 145 | 35 | 80 | 134 | 176 | 158 | 177 | 150 | 105 | 102 | 115 | 75 | 18 | 35 | 80 | 118 | 95 | 200 | 140 |
| 8/3/2013 | 135 | 120 | 119 | 122 | 154 | 163 | 50 | 97 | 134 | 156 | 122 | 171 | 154 | 187 | 125 | 75 | 126 | 0 | 0 | 0 | 0 | 0 | 105 | 116 |
| 8/4/2013 | 64 | 75 | 75 | 80 | 97 | 110 | 200 | 200 | 269 | 291 | 337 | 335 | 340 | 325 | 300 | 337 | 313 | 275 | 250 | 235 | 276 | 266 | 186 | 163 |
| 8/5/2013 | 118 | 105 | 103 | 103 | 149 | 165 | 75 | 130 | 142 | 184 | 214 | 214 | 184 | 185 | 131 | 100 | 76 | 75 | 107 | 109 | 109 | 109 | 75 | 34 |
| 8/6/2013 | 34 | 85 | 90 | 55 | 134 | 144 | 59 | 104 | 144 | 199 | 214 | 197 | 169 | 150 | 125 | 120 | 65 | 35 | 35 | 34 | 23 | 23 | 128 | 104 |
| 8/7/2013 | 100 | 85 | 80 | 80 | 130 | 151 | 108 | 112 | 127 | 190 | 212 | 220 | 229 | 230 | 255 | 200 | 104 | 108 | 110 | 110 | 110 | 110 | 174 | 99 |
| 8/8/2013 | 109 | 94 | 94 | 94 | 124 | 144 | 59 | 111 | 155 | 191 | 224 | 230 | 235 | 240 | 230 | 235 | 200 | 150 | 105 | 89 | 90 | 100 | 145 | 90 |
| 8/9/2013 | 60 | 40 | 80 | 90 | 127 | 155 | 59 | 109 | 146 | 175 | 184 | 197 | 194 | 139 | 134 | 120 | 95 | 89 | 60 | 65 | 95 | 89 | 184 | 144 |
| 8/10/2013 | 133 | 80 | 55 | 94 | 112 | 61 | 25 | 25 | 25 | 89 | 133 | 138 | 122 | 115 | 107 | 131 | 112 | 70 | 60 | 57 | 25 | 70 | 120 | 120 |
| 8/11/2013 | 115 | 80 | 75 | 80 | 90 | 120 | 225 | 225 | 263 | 349 | 397 | 399 | 376 | 375 | 365 | 394 | 399 | 350 | 320 | 305 | 335 | 273 | 189 | 154 |
| 8/12/2013 | 153 | 110 | 110 | 115 | 120 | 178 | 134 | 159 | 219 | 259 | 280 | 273 | 265 | 260 | 244 | 255 | 210 | 155 | 100 | 100 | 100 | 100 | 105 | 80 |
| 8/13/2013 | 0 | 0 | 0 | 0 | 0 | 50 | 100 | 100 | 192 | 215 | 235 | 240 | 250 | 250 | 245 | 220 | 180 | 135 | 135 | 135 | 135 | 135 | 125 | 35 |
| 8/14/2013 | 35 | 34 | 34 | 33 | 89 | 143 | 108 | 110 | 149 | 215 | 240 | 242 | 253 | 270 | 240 | 249 | 209 | 154 | 139 | 135 | 135 | 134 | 213 | 151 |
| 8/15/2013 | 144 | 120 | 115 | 115 | 155 | 180 | 135 | 169 | 225 | 220 | 250 | 254 | 269 | 277 | 280 | 272 | 251 | 232 | 193 | 188 | 189 | 135 | 155 | 120 |
| 8/16/2013 | 146 | 139 | 129 | 134 | 167 | 193 | 185 | 219 | 256 | 295 | 340 | 337 | 348 | 369 | 377 | 351 | 312 | 247 | 198 | 184 | 184 | 185 | 235 | 185 |
| 8/17/2013 | 85 | 31 | 23 | 19 | 0 | 0 | 25 | 25 | 25 | 25 | 123 | 145 | 150 | 199 | 184 | 174 | 129 | 84 | 59 | 74 | 79 | 79 | 149 | 99 |
| 8/18/2013 | 109 | 104 | 104 | 74 | 31 | 16 | 204 | 204 | 250 | 325 | 392 | 370 | 343 | 348 | 348 | 348 | 362 | 338 | 313 | 303 | 319 | 254 | 125 | 128 |
| 8/19/2013 | 139 | 118 | 65 | 45 | 50 | 40 | 131 | 151 | 152 | 198 | 177 | 163 | 192 | 183 | 217 | 227 | 173 | 164 | 162 | 163 | 163 | 164 | 164 | 115 |
| 8/20/2013 | 60 | 31 | 0 | 40 | 90 | 115 | 154 | 154 | 204 | 204 | 278 | 244 | 261 | 225 | 243 | 243 | 188 | 189 | 155 | 155 | 188 | 189 | 210 | 179 |
| 8/21/2013 | 119 | 64 | 34 | 34 | 36 | 69 | 109 | 116 | 105 | 105 | 172 | 200 | 230 | 245 | 249 | 292 | 230 | 184 | 108 | 108 | 109 | 110 | 160 | 125 |

MEIC-19 Volumes

| Row Labels | MW01 | MW02 | MW03 | MW04 | MW05 | MW06 | MW07 | MW08 | MW09 | MW10 | MW11 | MW12 | MW13 | MW14 | MW15 | MW16 | MW17 | MW18 | MW19 | MW20 | MW21 | MW22 | MW23 | MW24 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 8/22/2013 | 135 | 133 | 127 | 129 | 165 | 194 | 208 | 179 | 194 | 278 | 308 | 303 | 313 | 311 | 318 | 313 | 254 | 213 | 213 | 213 | 210 | 216 | 244 | 184 |
| 8/23/2013 | 149 | 139 | 169 | 97 | 137 | 195 | 100 | 120 | 181 | 251 | 229 | 239 | 241 | 234 | 239 | 234 | 204 | 179 | 91 | 80 | 139 | 151 | 190 | 180 |
| 8/24/2013 | 151 | 125 | 105 | 126 | 130 | 86 | 79 | 75 | 105 | 145 | 175 | 167 | 144 | 164 | 144 | 170 | 169 | 109 | 110 | 109 | 109 | 109 | 203 | 44 |
| 8/25/2013 | 54 | 79 | 59 | 59 | 107 | 75 | 250 | 250 | 316 | 390 | 464 | 461 | 465 | 473 | 462 | 449 | 444 | 404 | 354 | 330 | 350 | 285 | 175 | 150 |
| 8/26/2013 | 124 | 104 | 94 | 89 | 134 | 164 | 138 | 167 | 214 | 288 | 323 | 289 | 319 | 339 | 319 | 328 | 278 | 223 | 157 | 189 | 176 | 163 | 239 | 169 |
| 8/27/2013 | 79 | 77 | 95 | 105 | 125 | 182 | 138 | 178 | 238 | 268 | 268 | 273 | 274 | 269 | 263 | 263 | 223 | 178 | 139 | 138 | 138 | 138 | 239 | 172 |
| 8/28/2013 | 164 | 134 | 124 | 124 | 154 | 190 | 189 | 187 | 229 | 284 | 314 | 309 | 319 | 325 | 308 | 288 | 243 | 199 | 195 | 154 | 186 | 188 | 234 | 175 |
| 8/29/2013 | 179 | 116 | 115 | 120 | 160 | 155 | 134 | 164 | 233 | 282 | 324 | 318 | 338 | 358 | 328 | 316 | 265 | 190 | 104 | 104 | 114 | 135 | 220 | 155 |
| 8/30/2013 | 61 | 25 | 90 | 55 | 115 | 180 | 124 | 134 | 231 | 279 | 304 | 289 | 279 | 288 | 263 | 203 | 113 | 113 | 113 | 114 | 114 | 114 | 75 | 35 |
| 8/31/2013 | 35 | 4 | 0 | 0 | 0 | 0 | 79 | 79 | 79 | 154 | 129 | 139 | 151 | 174 | 139 | 164 | 114 | 114 | 114 | 114 | 114 | 114 | 200 | 140 |
| 9/1/2013 | 124 | 90 | 90 | 90 | 90 | 119 | 265 | 265 | 310 | 329 | 406 | 420 | 460 | 469 | 478 | 513 | 491 | 461 | 417 | 390 | 364 | 300 | 160 | 125 |
| 9/2/2013 | 121 | 90 | 90 | 90 | 90 | 128 | 265 | 265 | 285 | 369 | 488 | 465 | 465 | 455 | 455 | 500 | 475 | 415 | 355 | 389 | 377 | 300 | 180 | 170 |
| 9/3/2013 | 155 | 115 | 90 | 90 | 130 | 130 | 125 | 125 | 144 | 240 | 245 | 240 | 257 | 299 | 335 | 319 | 289 | 222 | 182 | 159 | 159 | 180 | 190 | 145 |
| 9/4/2013 | 35 | 35 | 50 | 90 | 130 | 160 | 175 | 185 | 235 | 270 | 305 | 315 | 331 | 348 | 361 | 345 | 300 | 242 | 211 | 206 | 186 | 261 | 176 | 156 |
| 9/5/2013 | 136 | 109 | 96 | 110 | 150 | 177 | 210 | 222 | 259 | 290 | 326 | 335 | 366 | 405 | 421 | 416 | 359 | 250 | 233 | 264 | 254 | 232 | 231 | 102 |
| 9/6/2013 | 61 | 81 | 45 | 125 | 136 | 189 | 235 | 235 | 253 | 285 | 314 | 326 | 328 | 329 | 363 | 358 | 308 | 306 | 234 | 234 | 234 | 234 | 197 | 154 |
| 9/7/2013 | 139 | 124 | 120 | 44 | 0 | 0 | 75 | 75 | 111 | 129 | 150 | 189 | 199 | 195 | 194 | 179 | 109 | 130 | 109 | 119 | 109 | 134 | 99 | 84 |
| 9/8/2013 | 114 | 74 | 69 | 101 | 99 | 130 | 174 | 214 | 275 | 304 | 326 | 348 | 335 | 330 | 340 | 325 | 325 | 215 | 175 | 190 | 205 | 175 | 119 | 110 |
| 9/9/2013 | 103 | 50 | 0 | 0 | 0 | 50 | 150 | 150 | 220 | 150 | 220 | 177 | 185 | 225 | 185 | 250 | 225 | 185 | 185 | 185 | 255 | 185 | 215 | 130 |
| 9/10/2013 | 80 | 64 | 65 | 84 | 122 | 144 | 254 | 255 | 193 | 229 | 254 | 265 | 270 | 284 | 300 | 290 | 255 | 190 | 225 | 254 | 255 | 255 | 185 | 125 |
| 9/11/2013 | 155 | 145 | 133 | 144 | 175 | 230 | 194 | 200 | 190 | 210 | 232 | 235 | 247 | 239 | 264 | 264 | 224 | 209 | 219 | 219 | 134 | 205 | 125 | 55 |
| 9/12/2013 | 35 | 60 | 65 | 75 | 115 | 164 | 191 | 259 | 279 | 284 | 284 | 294 | 283 | 263 | 274 | 257 | 212 | 213 | 243 | 264 | 274 | 264 | 150 | 105 |
| 9/13/2013 | 100 | 180 | 80 | 90 | 125 | 165 | 155 | 169 | 186 | 199 | 204 | 210 | 214 | 209 | 214 | 189 | 199 | 184 | 215 | 250 | 174 | 160 | 164 | 95 |
| 9/14/2013 | 100 | 95 | 85 | 99 | 105 | 25 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 104 | 90 | 130 | 160 | 80 |
| 9/15/2013 | 83 | 50 | 50 | 50 | 92 | 102 | 125 | 130 | 191 | 245 | 275 | 269 | 260 | 250 | 255 | 259 | 264 | 274 | 309 | 290 | 250 | 159 | 73 | 73 |
| 9/16/2013 | 92 | 75 | 70 | 101 | 130 | 156 | 152 | 160 | 185 | 218 | 215 | 215 | 215 | 215 | 220 | 210 | 159 | 75 | 140 | 219 | 145 | 160 | 140 | 115 |
| 9/17/2013 | 130 | 71 | 70 | 70 | 45 | 45 | 20 | 133 | 160 | 195 | 168 | 177 | 190 | 190 | 195 | 205 | 186 | 140 | 155 | 130 | 105 | 85 | 125 | 100 |
| 9/18/2013 | 70 | 37 | 41 | 39 | 75 | 138 | 110 | 125 | 125 | 120 | 85 | 95 | 55 | 0 | 0 | 0 | 0 | 0 | 55 | 85 | 25 | 0 | 20 | 0 |
| 9/19/2013 | 0 | 0 | 0 | 0 | 0 | 95 | 90 | 94 | 125 | 154 | 170 | 170 | 156 | 139 | 113 | 145 | 165 | 160 | 175 | 185 | 135 | 135 | 170 | 112 |
| 9/20/2013 | 95 | 80 | 80 | 82 | 124 | 177 | 140 | 153 | 160 | 170 | 175 | 180 | 180 | 170 | 185 | 190 | 175 | 155 | 180 | 185 | 110 | 85 | 130 | 145 |
| 9/21/2013 | 165 | 169 | 122 | 127 | 140 | 95 | 85 | 53 | 78 | 134 | 129 | 153 | 125 | 110 | 85 | 105 | 120 | 115 | 135 | 134 | 83 | 115 | 180 | 45 |
| 9/22/2013 | 34 | 0 | 0 | 0 | 0 | 10 | 211 | 148 | 182 | 287 | 304 | 332 | 347 | 342 | 337 | 351 | 367 | 372 | 342 | 342 | 307 | 277 | 100 | 112 |
| 9/23/2013 | 100 | 55 | 35 | 35 | 35 | 120 | 70 | 70 | 70 | 120 | 75 | 76 | 33 | 39 | 60 | 35 | 75 | 77 | 102 | 115 | 100 | 110 | 160 | 81 |
| 9/24/2013 | 0 | 0 | 1 | 23 | 104 | 185 | 160 | 190 | 200 | 208 | 216 | 220 | 220 | 210 | 220 | 190 | 183 | 105 | 140 | 160 | 120 | 104 | 72 | 105 |
| 9/25/2013 | 0 | 0 | 0 | 27 | 94 | 85 | 35 | 85 | 95 | 60 | 110 | 140 | 162 | 90 | 110 | 90 | 80 | 55 | 80 | 80 | 50 | 2 | 65 | 40 |
| 9/26/2013 | 0 | 0 | 0 | 30 | 51 | 124 | 68 | 58 | 78 | 85 | 65 | 35 | 35 | 35 | 64 | 75 | 70 | 90 | 100 | 60 | 95 | 193 | 85 | |
| 9/27/2013 | 95 | 85 | 80 | 85 | 115 | 135 | 144 | 139 | 144 | 153 | 129 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 20 | 25 | 0 |
| 9/28/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 45 | 35 |
| 9/29/2013 | 0 | 30 | 35 | 40 | 50 | 80 | 87 | 62 | 62 | 62 | 73 | 141 | 112 | 112 | 112 | 112 | 127 | 122 | 200 | 197 | 135 | 95 | 32 | 35 |
| 9/30/2013 | 34 | 1 | 0 | 20 | 80 | 125 | 55 | 55 | 55 | 153 | 145 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/1/2013 | 0 | 0 | 0 | 25 | 20 | 107 | 55 | 70 | 70 | 100 | 125 | 35 | 0 | 0 | 0 | 0 | 0 | 64 | 60 | 80 | 12 | 0 | 99 | 60 |
| 10/2/2013 | 0 | 0 | 0 | 0 | 10 | 25 | 0 | 0 | 0 | 35 | 60 | 50 | 100 | 120 | 125 | 132 | 126 | 120 | 135 | 115 | 65 | 35 | 85 | 0 |
| 10/3/2013 | 0 | 0 | 25 | 0 | 70 | 105 | 50 | 60 | 75 | 50 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 22 | 0 |
| 10/4/2013 | 8 | 0 | 0 | 6 | 48 | 107 | 85 | 85 | 120 | 130 | 140 | 155 | 130 | 120 | 140 | 120 | 155 | 175 | 202 | 173 | 123 | 123 | 170 | 140 |
| 10/5/2013 | 105 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/6/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 95 | 123 | 123 | 135 | 135 | 135 | 135 | 155 | 175 | 180 | 190 | 250 | 180 | 120 | 35 | 30 |
| 10/7/2013 | 0 | 0 | 40 | 45 | 100 | 145 | 120 | 138 | 145 | 135 | 130 | 110 | 120 | 90 | 105 | 110 | 140 | 35 | 70 | 75 | 65 | 55 | 70 | 0 |
| 10/8/2013 | 20 | 0 | 25 | 70 | 70 | 85 | 55 | 15 | 0 | 75 | 55 | 15 | 55 | 85 | 68 | 85 | 105 | 140 | 170 | 155 | 80 | 70 | 155 | 130 |
| 10/9/2013 | 115 | 90 | 90 | 80 | 95 | 151 | 144 | 110 | 135 | 165 | 160 | 160 | 160 | 150 | 150 | 130 | 140 | 150 | 155 | 135 | 95 | 125 | 185 | 132 |
| 10/10/2013 | 118 | 102 | 100 | 111 | 146 | 201 | 172 | 163 | 170 | 190 | 180 | 160 | 150 | 105 | 50 | 60 | 60 | 65 | 120 | 125 | 80 | 80 | 50 | 0 |
| 10/11/2013 | 0 | 0 | 37 | 45 | 119 | 174 | 117 | 47 | 71 | 119 | 80 | 45 | 0 | 0 | 0 | 40 | 70 | 110 | 110 | 122 | 73 | 104 | 190 | 165 |
| 10/12/2013 | 155 | 145 | 139 | 140 | 144 | 109 | 40 | 82 | 106 | 132 | 133 | 120 | 105 | 90 | 80 | 118 | 120 | 130 | 130 | 124 | 85 | 95 | 169 | 120 |

MEIC-19 Volumes

| Row Labels | MW01 | MW02 | MW03 | MW04 | MW05 | MW06 | MW07 | MW08 | MW09 | MW10 | MW11 | MW12 | MW13 | MW14 | MW15 | MW16 | MW17 | MW18 | MW19 | MW20 | MW21 | MW22 | MW23 | MW24 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10/13/2013 | 85 | 75 | 65 | 70 | 55 | 140 | 194 | 235 | 276 | 285 | 275 | 294 | 283 | 265 | 260 | 285 | 347 | 355 | 360 | 330 | 290 | 230 | 150 | 120 |
| 10/14/2013 | 125 | 90 | 55 | 44 | 88 | 142 | 160 | 115 | 90 | 115 | 115 | 120 | 137 | 117 | 162 | 177 | 217 | 207 | 197 | 142 | 112 | 185 | 150 | |
| 10/15/2013 | 140 | 134 | 130 | 130 | 185 | 240 | 195 | 175 | 145 | 140 | 145 | 60 | 80 | 80 | 60 | 60 | 95 | 75 | 60 | 60 | 38 | 25 | 51 | 31 |
| 10/16/2013 | 0 | 15 | 0 | 0 | 15 | 70 | 75 | 50 | 75 | 55 | 65 | 25 | 25 | 25 | 25 | 100 | 115 | 100 | 70 | 25 | 25 | 25 | 75 | 91 |
| 10/17/2013 | 70 | 50 | 80 | 105 | 160 | 205 | 185 | 180 | 185 | 193 | 185 | 170 | 155 | 130 | 140 | 120 | 141 | 115 | 85 | 85 | 85 | 50 | 40 | 0 |
| 10/18/2013 | 0 | 0 | 45 | 45 | 95 | 165 | 120 | 110 | 110 | 120 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10/19/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 17 | 0 | 0 | 0 |
| 10/20/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 157 | 210 | 255 | 270 | 240 | 230 | 240 | 235 | 225 | 270 | 305 | 325 | 280 | 190 | 105 | 40 |
| 10/21/2013 | 35 | 43 | 50 | 25 | 0 | 70 | 48 | 35 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 70 | 65 | 35 | 35 | 110 | 60 |
| 10/22/2013 | 75 | 55 | 25 | 50 | 131 | 175 | 120 | 95 | 118 | 144 | 125 | 110 | 95 | 80 | 85 | 75 | 100 | 95 | 104 | 95 | 95 | 95 | 155 | 143 |
| 10/23/2013 | 109 | 69 | 44 | 24 | 40 | 115 | 110 | 110 | 110 | 110 | 145 | 159 | 161 | 154 | 160 | 172 | 186 | 159 | 144 | 140 | 125 | 125 | 145 | 125 |
| 10/24/2013 | 120 | 114 | 109 | 121 | 155 | 185 | 160 | 155 | 165 | 170 | 162 | 153 | 138 | 140 | 125 | 147 | 140 | 141 | 160 | 140 | 85 | 85 | 205 | 235 |
| 10/25/2013 | 210 | 197 | 178 | 148 | 150 | 160 | 150 | 175 | 206 | 191 | 216 | 186 | 141 | 145 | 135 | 135 | 153 | 173 | 170 | 185 | 194 | 239 | 266 | 256 |
| 10/26/2013 | 242 | 239 | 230 | 230 | 235 | 190 | 124 | 165 | 175 | 155 | 135 | 79 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 80 | 155 |
| 10/27/2013 | 133 | 110 | 110 | 110 | 110 | 135 | 225 | 290 | 340 | 360 | 355 | 400 | 395 | 355 | 360 | 370 | 405 | 370 | 395 | 345 | 340 | 280 | 230 | 210 |
| 10/28/2013 | 143 | 169 | 154 | 176 | 257 | 331 | 338 | 325 | 325 | 320 | 280 | 260 | 245 | 235 | 235 | 255 | 285 | 265 | 265 | 235 | 235 | 275 | 259 | 219 |
| 10/29/2013 | 221 | 206 | 209 | 223 | 266 | 340 | 297 | 280 | 259 | 254 | 238 | 229 | 215 | 210 | 218 | 244 | 292 | 283 | 274 | 230 | 200 | 199 | 215 | 170 |
| 10/30/2013 | 160 | 145 | 140 | 135 | 180 | 220 | 164 | 100 | 63 | 60 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 0 | 0 | 0 | 50 | 50 |
| 10/31/2013 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 90 | 45 | 0 | 0 | 90 | 41 |
| 11/1/2013 | 40 | 20 | 0 | 0 | 40 | 85 | 110 | 110 | 113 | 95 | 120 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 60 | 140 | 100 |
| 11/2/2013 | 85 | 85 | 85 | 80 | 115 | 30 | 50 | 96 | 52 | 67 | 52 | 42 | 65 | 75 | 90 | 44 | 45 | 70 | 141 | 105 | 75 | 0 | 30 | 0 |
| 11/3/2013 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 75 | 115 | 110 | 110 | 80 | 80 | 100 | 90 | 214 | 266 | 249 | 253 | 234 | 92 | 142 | 80 |
| 11/4/2013 | 116 | 90 | 80 | 77 | 125 | 195 | 195 | 185 | 202 | 202 | 200 | 195 | 195 | 190 | 190 | 105 | 211 | 212 | 182 | 185 | 151 | 154 | 240 | 194 |
| 11/5/2013 | 170 | 155 | 160 | 145 | 160 | 180 | 95 | 75 | 60 | 35 | 35 | 35 | 35 | 35 | 35 | 55 | 50 | 65 | 40 | 15 | 20 | 10 | 65 | 50 |
| 11/6/2013 | 0 | 0 | 0 | 0 | 55 | 130 | 55 | 95 | 65 | 65 | 65 | 35 | 65 | 65 | 65 | 135 | 143 | 160 | 115 | 90 | 35 | 58 | 160 | 150 |
| 11/7/2013 | 130 | 120 | 105 | 120 | 160 | 170 | 145 | 140 | 152 | 140 | 146 | 132 | 105 | 90 | 100 | 115 | 155 | 145 | 125 | 115 | 120 | 50 | 80 | 100 |
| 11/8/2013 | 0 | 0 | 0 | 0 | 0 | 43 | 28 | 15 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 30 | 95 | 110 | 100 | 65 | 35 | 30 | 24 | 0 |
| 11/9/2013 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 70 | 105 | 105 | 110 | 100 | 85 | 85 | 110 | 135 | 125 | 115 | 115 | 85 | 80 | 125 | 130 |
| 11/10/2013 | 116 | 106 | 101 | 101 | 145 | 187 | 190 | 215 | 220 | 240 | 235 | 250 | 273 | 285 | 270 | 255 | 330 | 240 | 245 | 240 | 307 | 357 | 256 | 257 |
| 11/11/2013 | 259 | 246 | 240 | 242 | 264 | 215 | 160 | 184 | 217 | 223 | 218 | 235 | 235 | 260 | 254 | 230 | 330 | 288 | 285 | 265 | 275 | 294 | 295 | 279 |
| 11/12/2013 | 267 | 250 | 250 | 265 | 305 | 310 | 280 | 255 | 250 | 245 | 290 | 280 | 270 | 270 | 230 | 215 | 216 | 215 | 205 | 215 | 145 | 120 | 180 | 105 |
| 11/13/2013 | 70 | 125 | 90 | 100 | 175 | 195 | 177 | 113 | 140 | 140 | 101 | 96 | 110 | 90 | 95 | 120 | 117 | 125 | 92 | 70 | 85 | 83 | 111 | 80 |
| 11/14/2013 | 45 | 35 | 20 | 60 | 10 | 54 | 75 | 60 | 25 | 25 | 80 | 85 | 70 | 75 | 55 | 25 | 70 | 95 | 80 | 45 | 55 | 104 | 108 | 20 |
| 11/15/2013 | 0 | 0 | 0 | 0 | 54 | 40 | 15 | 35 | 25 | 0 | 20 | 15 | 15 | 0 | 15 | 40 | 30 | 60 | 50 | 45 | 50 | 80 | 105 | 70 |
| 11/16/2013 | 80 | 84 | 0 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 90 | 135 | 115 | 115 | 100 | 85 | 140 | 95 |
| 11/17/2013 | 120 | 110 | 55 | 95 | 130 | 132 | 145 | 150 | 160 | 150 | 145 | 220 | 145 | 170 | 215 | 315 | 280 | 285 | 200 | 275 | 230 | 185 | 145 | 147 |
| 11/18/2013 | 135 | 120 | 132 | 114 | 181 | 190 | 235 | 222 | 210 | 205 | 140 | 75 | 50 | 90 | 65 | 50 | 135 | 220 | 200 | 179 | 140 | 145 | 234 | 207 |
| 11/19/2013 | 176 | 146 | 136 | 156 | 186 | 180 | 105 | 75 | 60 | 45 | 25 | 0 | 0 | 0 | 0 | 25 | 95 | 43 | 65 | 145 | 75 | 115 | 130 | 130 |
| 11/20/2013 | 65 | 30 | 30 | 122 | 165 | 183 | 275 | 200 | 150 | 125 | 110 | 85 | 85 | 85 | 85 | 115 | 115 | 120 | 175 | 195 | 155 | 178 | 266 | 240 |
| 11/21/2013 | 245 | 260 | 258 | 265 | 295 | 275 | 265 | 245 | 260 | 292 | 271 | 244 | 246 | 240 | 235 | 235 | 225 | 185 | 185 | 150 | 150 | 150 | 154 | 134 |
| 11/22/2013 | 90 | 90 | 90 | 90 | 105 | 85 | 170 | 160 | 180 | 160 | 175 | 205 | 240 | 245 | 280 | 250 | 315 | 320 | 295 | 265 | 230 | 220 | 295 | 235 |
| 11/23/2013 | 240 | 237 | 227 | 237 | 227 | 127 | 150 | 150 | 185 | 185 | 185 | 185 | 162 | 150 | 150 | 150 | 185 | 205 | 175 | 150 | 150 | 160 | 160 | 120 |
| 11/24/2013 | 50 | 50 | 50 | 50 | 90 | 90 | 130 | 135 | 225 | 275 | 235 | 240 | 240 | 245 | 205 | 250 | 275 | 290 | 322 | 300 | 260 | 190 | 125 | 80 |
| 11/25/2013 | 0 | 0 | 0 | 0 | 35 | 35 | 110 | 135 | 125 | 155 | 155 | 170 | 150 | 160 | 170 | 200 | 205 | 215 | 195 | 140 | 150 | 165 | 165 | 140 |
| 11/26/2013 | 201 | 160 | 163 | 180 | 225 | 220 | 206 | 190 | 200 | 230 | 215 | 205 | 195 | 195 | 175 | 150 | 150 | 180 | 200 | 230 | 170 | 135 | 95 | 35 |
| 11/27/2013 | 23 | 0 | 0 | 45 | 75 | 50 | 165 | 135 | 170 | 190 | 175 | 190 | 165 | 175 | 195 | 210 | 215 | 220 | 210 | 205 | 160 | 160 | 240 | 195 |
| 11/28/2013 | 195 | 185 | 185 | 185 | 205 | 240 | 280 | 255 | 287 | 298 | 258 | 270 | 255 | 240 | 240 | 255 | 310 | 310 | 310 | 190 | 150 | 150 | 75 | 75 |
| 11/29/2013 | 75 | 75 | 75 | 75 | 75 | 110 | 35 | 35 | 55 | 55 | 55 | 35 | 0 | 0 | 0 | 0 | 35 | 105 | 80 | 60 | 55 | 105 | 75 | 75 |
| 11/30/2013 | 75 | 75 | 75 | 75 | 75 | 75 | 0 | 0 | 30 | 75 | 80 | 45 | 20 | 0 | 0 | 0 | 45 | 35 | 95 | 50 | 50 | 65 | 75 | 75 |
| 12/1/2013 | 0 | 0 | 0 | 20 | 0 | 15 | 165 | 215 | 215 | 225 | 200 | 175 | 125 | 125 | 125 | 125 | 212 | 216 | 210 | 220 | 175 | 125 | 20 | 30 |
| 12/2/2013 | 30 | 40 | 70 | 80 | 155 | 206 | 165 | 150 | 165 | 150 | 150 | 145 | 130 | 65 | 45 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 |
| 12/3/2013 | 0 | 0 | 0 | 0 | 10 | 8 | 0 | 29 | 35 | 35 | 42 | 36 | 35 | 33 | 38 | 32 | 81 | 85 | 65 | 55 | 55 | 55 | 90 | 75 |

MEIC-19 Volumes

| Row Labels | MW01 | MW02 | MW03 | MW04 | MW05 | MW06 | MW07 | MW08 | MW09 | MW10 | MW11 | MW12 | MW13 | MW14 | MW15 | MW16 | MW17 | MW18 | MW19 | MW20 | MW21 | MW22 | MW23 | MW24 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12/4/2013 | 135 | 129 | 100 | 100 | 123 | 160 | 200 | 199 | 195 | 205 | 206 | 201 | 172 | 172 | 152 | 187 | 192 | 204 | 202 | 196 | 147 | 147 | 297 | 272 |
| 12/5/2013 | 321 | 336 | 326 | 340 | 346 | 296 | 271 | 285 | 280 | 287 | 306 | 334 | 313 | 313 | 329 | 293 | 270 | 245 | 205 | 173 | 185 | 185 | 232 | 224 |
| 12/6/2013 | 234 | 200 | 200 | 200 | 252 | 278 | 207 | 200 | 200 | 223 | 235 | 238 | 236 | 235 | 235 | 260 | 310 | 326 | 304 | 278 | 248 | 333 | 389 | 310 |
| 12/7/2013 | 330 | 328 | 295 | 295 | 321 | 325 | 235 | 242 | 266 | 315 | 280 | 265 | 239 | 233 | 246 | 240 | 289 | 292 | 309 | 282 | 253 | 259 | 335 | 289 |
| 12/8/2013 | 284 | 283 | 279 | 238 | 240 | 284 | 285 | 280 | 235 | 315 | 300 | 285 | 304 | 253 | 249 | 305 | 380 | 415 | 380 | 350 | 300 | 295 | 210 | 185 |
| 12/9/2013 | 185 | 185 | 185 | 185 | 205 | 250 | 150 | 135 | 161 | 185 | 138 | 305 | 259 | 225 | 210 | 100 | 150 | 155 | 150 | 120 | 140 | 149 | 215 | 185 |
| 12/10/2013 | 210 | 224 | 185 | 175 | 210 | 200 | 207 | 163 | 145 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 159 | 172 | 160 | 175 | 180 | 200 | 335 | 325 |
| 12/11/2013 | 192 | 175 | 135 | 135 | 165 | 135 | 85 | 110 | 105 | 90 | 70 | 35 | 35 | 38 | 35 | 55 | 85 | 61 | 110 | 95 | 55 | 70 | 135 | 135 |
| 12/12/2013 | 84 | 50 | 50 | 50 | 50 | 78 | 65 | 58 | 60 | 50 | 35 | 38 | 35 | 35 | 35 | 50 | 55 | 60 | 35 | 55 | 35 | 35 | 80 | 45 |
| 12/13/2013 | 55 | 3 | 0 | 15 | 50 | 4 | 49 | 35 | 35 | 34 | 35 | 35 | 35 | 35 | 8 | 0 | 22 | 30 | 35 | 35 | 35 | 35 | 55 | 55 |
| 12/14/2013 | 30 | 30 | 80 | 30 | 50 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 35 | 35 | 0 | 0 | 0 | 65 | 55 |
| 12/15/2013 | 15 | 20 | 0 | 0 | 20 | 45 | 130 | 90 | 95 | 110 | 95 | 120 | 95 | 95 | 95 | 155 | 240 | 235 | 230 | 205 | 160 | 85 | 50 | 12 |
| 12/16/2013 | 38 | 16 | 15 | 35 | 75 | 125 | 50 | 11 | 12 | 19 | 25 | 29 | 29 | 13 | 0 | 20 | 10 | 21 | 23 | 33 | 35 | 35 | 80 | 60 |
| 12/17/2013 | 56 | 45 | 45 | 45 | 85 | 81 | 136 | 90 | 35 | 110 | 45 | 35 | 33 | 32 | 35 | 69 | 85 | 77 | 91 | 109 | 33 | 35 | 90 | 45 |
| 12/18/2013 | 96 | 82 | 61 | 81 | 116 | 91 | 62 | 75 | 15 | 0 | 71 | 103 | 119 | 75 | 73 | 104 | 189 | 190 | 205 | 230 | 200 | 205 | 160 | 115 |
| 12/19/2013 | 71 | 86 | 101 | 110 | 148 | 135 | 149 | 143 | 144 | 129 | 129 | 123 | 178 | 222 | 194 | 229 | 294 | 289 | 264 | 229 | 234 | 252 | 306 | 210 |
| 12/20/2013 | 145 | 135 | 125 | 125 | 170 | 135 | 94 | 94 | 94 | 94 | 79 | 59 | 43 | 43 | 75 | 140 | 151 | 149 | 142 | 98 | 70 | 150 | 260 | 200 |
| 12/21/2013 | 169 | 203 | 161 | 153 | 165 | 145 | 0 | 0 | 35 | 33 | 36 | 62 | 0 | 50 | 50 | 50 | 50 | 63 | 105 | 150 | 137 | 215 | 310 | 240 |
| 12/22/2013 | 205 | 200 | 200 | 170 | 130 | 130 | 155 | 275 | 175 | 175 | 192 | 180 | 179 | 234 | 279 | 320 | 405 | 405 | 395 | 375 | 337 | 248 | 160 | 225 |
| 12/23/2013 | 205 | 155 | 155 | 165 | 210 | 200 | 160 | 85 | 41 | 34 | 35 | 23 | 0 | 0 | 0 | 36 | 25 | 25 | 65 | 85 | 75 | 75 | 80 | 166 |
| 12/24/2013 | 105 | 0 | 0 | 15 | 144 | 237 | 226 | 185 | 185 | 85 | 85 | 35 | 35 | 35 | 35 | 60 | 125 | 130 | 110 | 70 | 75 | 44 | 100 | 70 |
| 12/25/2013 | 40 | 40 | 40 | 55 | 70 | 130 | 150 | 170 | 181 | 211 | 215 | 217 | 218 | 220 | 217 | 216 | 300 | 298 | 295 | 259 | 183 | 190 | 100 | 15 |
| 12/26/2013 | 20 | 10 | 10 | 35 | 40 | 60 | 60 | 35 | 35 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 40 | 70 | 60 | 35 | 35 | 27 | 115 | 55 |
| 12/27/2013 | 20 | 20 | 20 | 20 | 70 | 85 | 77 | 60 | 45 | 60 | 60 | 94 | 50 | 25 | 1 | 62 | 89 | 109 | 72 | 60 | 85 | 110 | 135 | 135 |
| 12/28/2013 | 105 | 94 | 65 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 165 | 175 | 140 | 135 | 100 | 125 | 265 | 230 |
| 12/29/2013 | 240 | 197 | 180 | 179 | 155 | 160 | 175 | 175 | 200 | 200 | 190 | 190 | 175 | 175 | 175 | 235 | 200 | 200 | 175 | 192 | 179 | 75 | 75 | 75 |
| 12/30/2013 | 75 | 110 | 105 | 100 | 120 | 173 | 190 | 190 | 165 | 195 | 195 | 135 | 110 | 110 | 76 | 75 | 75 | 75 | 75 | 75 | 75 | 140 | 100 | 100 |
| 12/31/2013 | 25 | 52 | 27 | 25 | 55 | 50 | 75 | 40 | 25 | 40 | 25 | 25 | 25 | 25 | 25 | 55 | 95 | 154 | 130 | 140 | 147 | 180 | 274 | 217 |
| 1/1/2014 | 130 | 110 | 70 | 70 | 110 | 110 | 200 | 200 | 275 | 300 | 330 | 350 | 340 | 340 | 340 | 305 | 320 | 282 | 315 | 304 | 280 | 229 | 104 | 100 |
| 1/2/2014 | 95 | 70 | 40 | 55 | 95 | 140 | 75 | 50 | 67 | 53 | 28 | 29 | 44 | 21 | 25 | 11 | 78 | 108 | 98 | 94 | 29 | 79 | 103 | 40 |
| 1/3/2014 | 10 | 0 | 0 | 70 | 110 | 226 | 189 | 184 | 55 | 54 | 129 | 114 | 79 | 26 | 25 | 50 | 105 | 140 | 95 | 96 | 80 | 90 | 138 | 173 |
| 1/4/2014 | 130 | 114 | 167 | 192 | 224 | 204 | 120 | 155 | 131 | 106 | 48 | 40 | 25 | 25 | 25 | 45 | 60 | 124 | 115 | 110 | 75 | 105 | 150 | 70 |
| 1/5/2014 | 135 | 104 | 100 | 100 | 100 | 100 | 200 | 201 | 217 | 227 | 234 | 235 | 235 | 235 | 300 | 370 | 465 | 510 | 510 | 455 | 377 | 243 | 178 | 146 |
| 1/6/2014 | 140 | 185 | 175 | 155 | 140 | 243 | 235 | 235 | 206 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 228 | 233 | 200 | 200 | 193 | 147 |
| 1/7/2014 | 114 | 139 | 139 | 125 | 174 | 134 | 130 | 270 | 215 | 193 | 203 | 208 | 165 | 165 | 165 | 160 | 200 | 249 | 249 | 144 | 204 | 259 | 330 | 228 |
| 1/8/2014 | 201 | 211 | 196 | 176 | 176 | 76 | 75 | 170 | 121 | 80 | 125 | 81 | 45 | 35 | 30 | 35 | 60 | 88 | 115 | 23 | 116 | 104 | 243 | 183 |
| 1/9/2014 | 25 | 10 | 10 | 10 | 70 | 169 | 75 | 70 | 60 | 60 | 81 | 43 | 30 | 25 | 30 | 40 | 60 | 97 | 74 | 74 | 13 | 0 | 60 | 20 |
| 1/10/2014 | 15 | 0 | 0 | 0 | 45 | 59 | 84 | 82 | 74 | 42 | 25 | 15 | 0 | 0 | 10 | 35 | 95 | 70 | 55 | 15 | 0 | 0 | 55 | 20 |
| 1/11/2014 | 0 | 0 | 0 | 0 | 40 | 30 | 0 | 0 | 20 | 0 | 40 | 88 | 45 | 0 | 0 | 50 | 30 | 20 | 15 | 0 | 0 | 0 | 45 | 40 |
| 1/12/2014 | 0 | 0 | 0 | 0 | 0 | 35 | 100 | 140 | 171 | 195 | 140 | 150 | 167 | 165 | 171 | 220 | 290 | 297 | 282 | 290 | 264 | 140 | 40 | 10 |
| 1/13/2014 | 0 | 0 | 0 | 0 | 50 | 105 | 75 | 45 | 50 | 30 | 40 | 45 | 45 | 25 | 70 | 80 | 70 | 134 | 100 | 129 | 25 | 0 | 65 | 80 |
| 1/14/2014 | 70 | 50 | 70 | 75 | 150 | 216 | 135 | 130 | 165 | 165 | 150 | 180 | 55 | 21 | 6 | 55 | 103 | 118 | 88 | 65 | 10 | 20 | 55 | 30 |
| 1/15/2014 | 0 | 0 | 0 | 0 | 100 | 160 | 121 | 177 | 107 | 32 | 17 | 17 | 17 | 37 | 40 | 90 | 105 | 85 | 55 | 10 | 15 | 90 | 75 | 75 |
| 1/16/2014 | 15 | 15 | 25 | 60 | 85 | 187 | 133 | 87 | 86 | 85 | 115 | 135 | 135 | 135 | 135 | 185 | 262 | 272 | 207 | 162 | 59 | 67 | 115 | 35 |
| 1/17/2014 | 15 | 0 | 20 | 35 | 95 | 95 | 88 | 60 | 40 | 35 | 29 | 17 | 0 | 0 | 0 | 83 | 155 | 165 | 145 | 105 | 90 | 100 | 145 | 175 |
| 1/18/2014 | 128 | 122 | 85 | 70 | 115 | 100 | 30 | 110 | 50 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 65 | 40 | 15 | 0 | 0 | 65 | 15 |
| 1/19/2014 | 0 | 0 | 0 | 0 | 0 | 51 | 158 | 88 | 95 | 188 | 190 | 170 | 175 | 165 | 165 | 200 | 275 | 285 | 275 | 265 | 215 | 135 | 60 | 104 |
| 1/20/2014 | 40 | 35 | 35 | 65 | 118 | 154 | 174 | 195 | 185 | 185 | 185 | 145 | 128 | 100 | 100 | 100 | 100 | 125 | 134 | 128 | 100 | 100 | 85 | 20 |
| 1/21/2014 | 0 | 0 | 0 | 10 | 50 | 94 | 85 | 85 | 85 | 85 | 85 | 105 | 84 | 76 | 74 | 85 | 170 | 190 | 160 | 130 | 85 | 85 | 135 | 85 |
| 1/22/2014 | 110 | 71 | 70 | 85 | 110 | 236 | 249 | 228 | 218 | 190 | 170 | 165 | 155 | 160 | 180 | 220 | 232 | 296 | 273 | 243 | 193 | 186 | 247 | 210 |
| 1/23/2014 | 269 | 205 | 175 | 180 | 206 | 299 | 235 | 45 | 43 | 35 | 33 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 37 | 67 | 0 | 40 | 0 | 0 |

MEIC-19 Average Price

| Row Labels | Avg1 | Avg2 | Avg3 | Avg4 | Avg5 | Avg6 | Avg7 | Avg8 | Avg9 | Avg10 | Avg11 | Avg12 | Avg13 | Avg14 | Avg15 | Avg16 | Avg17 | Avg18 | Avg19 | Avg20 | Avg21 | Avg22 | Avg23 | Avg24 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| 7/1/2013 | \$ 8.00 | \$ 8.00 | \$ 8.00 | \$ 8.00 | \$ 6.67 | \$ 8.00 | \$ 8.00 | \$ 20.00 | \$ 23.28 | \$ 28.06 | \$ 33.19 | \$ 37.90 | \$ 147.08 | \$ 116.33 | \$ 71.67 | \$ 90.27 | \$ 215.40 | \$ 173.71 | \$ 99.79 | \$ 75.00 | \$ 40.00 | \$ 11.03 | \$ 8.00 | \$ - |
| 7/2/2013 | \$ 5.58 | \$ 6.13 | \$ 4.22 | \$ 5.00 | \$ 5.00 | \$ 5.00 | \$ 79.42 | \$ 86.11 | \$ 75.21 | \$ 72.71 | \$ 80.78 | \$ 83.02 | \$ 87.53 | \$ 87.31 | \$ 93.37 | \$ 92.79 | \$ 98.83 | \$ 97.25 | \$ 122.00 | \$ 113.89 | \$ 94.34 | \$ 90.69 | \$ 8.10 | \$ 2.00 |
| 7/3/2013 | \$ 1.63 | \$ 2.00 | \$ 2.07 | \$ 2.00 | \$ 2.29 | \$ 2.38 | \$ 42.04 | \$ 34.57 | \$ 38.85 | \$ 40.99 | \$ 39.89 | \$ 42.26 | \$ 43.61 | \$ 45.93 | \$ 45.05 | \$ 44.35 | \$ 45.76 | \$ 45.64 | \$ 44.81 | \$ 32.71 | \$ 32.29 | \$ 34.25 | \$ 4.21 | \$ 0.88 |
| 7/4/2013 | \$ 2.02 | \$ 1.22 | \$ 1.45 | \$ 2.00 | \$ 2.82 | \$ 2.42 | \$ 23.10 | \$ 22.40 | \$ 21.61 | \$ 22.37 | \$ 23.45 | \$ 23.07 | \$ 23.45 | \$ 22.98 | \$ 23.95 | \$ 23.57 | \$ 24.76 | \$ 24.40 | \$ 25.05 | \$ 21.96 | \$ 23.72 | \$ 24.18 | \$ 4.02 | \$ 3.33 |
| 7/5/2013 | \$ (1.29) | \$ (3.52) | \$ (5.00) | \$ (5.00) | \$ (5.00) | \$ (5.00) | \$ 10.59 | \$ 33.50 | \$ 26.46 | \$ 11.33 | \$ 14.73 | \$ 12.78 | \$ 14.61 | \$ 29.50 | \$ 27.39 | \$ 26.44 | \$ 25.59 | \$ 25.88 | \$ 20.14 | \$ 19.25 | \$ 13.72 | \$ 33.50 | \$ 7.84 | \$ 7.00 |
| 7/6/2013 | \$ 3.54 | \$ 3.71 | \$ 4.00 | \$ 4.00 | \$ 4.00 | \$ 3.50 | n/a | n/a | \$ 6.00 | \$ 21.89 | \$ 23.00 | \$ 31.00 | \$ 27.14 | \$ 28.40 | \$ 29.54 | \$ 30.40 | \$ 29.93 | \$ 30.00 | n/a | n/a | n/a | n/a | \$ 24.67 | \$ 23.70 |
| 7/7/2013 | \$ 21.59 | \$ 20.75 | \$ 13.44 | \$ 13.00 | \$ 13.00 | \$ 12.59 | \$ 34.00 | \$ 32.85 | \$ 29.82 | \$ 32.15 | \$ 31.37 | \$ 31.35 | \$ 32.86 | \$ 32.25 | \$ 32.25 | \$ 33.10 | \$ 32.50 | \$ 32.50 | \$ 34.11 | \$ 33.33 | \$ 33.60 | \$ 25.25 | \$ 23.23 | \$ 23.23 |
| 7/8/2013 | \$ 12.11 | \$ 12.57 | \$ 11.93 | \$ 11.74 | \$ 11.20 | \$ 13.08 | n/a | n/a | \$ 18.63 | \$ 30.00 | \$ 29.68 | \$ 25.00 | \$ 30.00 | \$ 33.00 | \$ 52.00 | n/a | n/a | n/a | \$ 37.00 | \$ 40.00 | n/a | \$ 36.00 | \$ 32.00 | \$ 30.00 |
| 7/9/2013 | \$ 28.25 | \$ 28.41 | \$ 28.54 | \$ 29.08 | \$ 26.00 | \$ 26.00 | \$ 47.67 | \$ 39.80 | \$ 35.81 | \$ 37.73 | \$ 40.40 | \$ 43.21 | \$ 45.35 | \$ 48.79 | \$ 47.50 | \$ 50.00 | \$ 47.79 | \$ 47.71 | \$ 47.67 | \$ 47.67 | \$ 47.67 | \$ 54.00 | \$ 36.05 | \$ 36.05 |
| 7/10/2013 | \$ 30.00 | \$ 25.46 | \$ 25.50 | \$ 25.53 | \$ 26.58 | \$ 27.77 | \$ 35.63 | \$ 29.25 | \$ 27.44 | \$ 29.93 | \$ 32.61 | \$ 33.47 | \$ 39.12 | \$ 40.07 | \$ 39.32 | \$ 37.85 | \$ 35.11 | \$ 34.64 | \$ 32.58 | \$ 32.08 | \$ 32.87 | \$ 35.63 | \$ 18.00 | \$ 18.00 |
| 7/11/2013 | \$ 13.48 | \$ 10.27 | \$ 7.38 | \$ 7.20 | \$ 6.12 | \$ 10.56 | \$ 33.75 | \$ 15.68 | \$ 23.02 | \$ 29.79 | \$ 28.74 | \$ 36.36 | \$ 39.05 | \$ 37.04 | \$ 34.69 | \$ 34.67 | \$ 32.93 | \$ 32.08 | \$ 33.75 | \$ 33.75 | \$ 27.64 | \$ 32.00 | \$ 34.00 | \$ 34.00 |
| 7/12/2013 | n/a | \$ 13.00 | \$ 13.00 | \$ 13.00 | \$ 18.85 | \$ 30.00 | \$ 35.75 | \$ 35.75 | \$ 33.88 | \$ 33.79 | \$ 38.15 | \$ 40.92 | \$ 41.10 | \$ 40.87 | \$ 40.55 | \$ 40.55 | \$ 37.84 | \$ 31.88 | \$ 31.21 | \$ 31.60 | \$ 29.21 | \$ 35.75 | \$ 18.00 | \$ 15.00 |
| 7/13/2013 | \$ 24.00 | \$ 23.00 | \$ 23.50 | \$ 20.35 | \$ 20.58 | \$ 18.00 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 33.50 | \$ 28.26 | \$ 28.00 |
| 7/14/2013 | \$ 27.00 | \$ 21.00 | n/a | n/a | \$ 20.00 | \$ 20.00 | \$ 44.40 | \$ 44.40 | \$ 44.40 | \$ 42.21 | \$ 42.34 | \$ 42.27 | \$ 42.55 | \$ 42.40 | \$ 43.03 | \$ 43.22 | \$ 43.69 | \$ 43.77 | \$ 44.12 | \$ 44.40 | \$ 44.40 | \$ 44.40 | \$ 24.18 | \$ 24.00 |
| 7/15/2013 | \$ 21.00 | \$ 18.00 | \$ 17.65 | \$ 17.37 | \$ 17.50 | \$ 18.52 | \$ 53.67 | \$ 50.61 | \$ 44.02 | \$ 42.63 | \$ 44.67 | \$ 45.23 | \$ 45.91 | \$ 50.65 | \$ 50.72 | \$ 50.25 | \$ 51.71 | \$ 53.67 | \$ 53.67 | \$ 53.67 | \$ 53.67 | \$ 53.67 | \$ 40.00 | n/a |
| 7/16/2013 | \$ 22.00 | \$ 22.00 | \$ 22.00 | \$ 22.00 | \$ 22.00 | \$ 22.00 | \$ 61.25 | \$ 49.17 | \$ 35.79 | \$ 35.56 | \$ 40.50 | \$ 55.76 | \$ 39.07 | \$ 39.88 | \$ 42.40 | \$ 42.23 | \$ 44.43 | \$ 48.11 | \$ 54.61 | \$ 61.25 | \$ 61.25 | \$ 61.25 | \$ 30.00 | \$ 30.00 |
| 7/17/2013 | \$ 22.00 | \$ 22.00 | \$ 20.50 | \$ 20.50 | \$ 22.35 | \$ 22.80 | \$ 42.50 | \$ 38.46 | \$ 34.72 | \$ 32.95 | \$ 31.90 | \$ 31.27 | \$ 31.15 | \$ 30.58 | \$ 31.24 | \$ 31.94 | \$ 36.21 | \$ 38.93 | \$ 42.50 | \$ 42.50 | \$ 42.50 | \$ 30.00 | \$ 25.00 | \$ 25.00 |
| 7/18/2013 | \$ 19.50 | \$ 25.00 | \$ 25.00 | \$ 18.00 | \$ 18.00 | \$ 18.00 | \$ 46.00 | \$ 32.00 | \$ 31.17 | \$ 33.24 | \$ 33.32 | \$ 36.94 | \$ 36.83 | \$ 41.96 | \$ 42.07 | \$ 42.07 | \$ 42.40 | \$ 43.16 | \$ 46.00 | \$ 46.00 | \$ 46.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 |
| 7/19/2013 | \$ 32.00 | \$ 30.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 39.00 | \$ 33.85 | \$ 34.58 | \$ 36.08 | \$ 38.89 | \$ 42.18 | \$ 42.30 | \$ 43.88 | \$ 40.71 | \$ 40.71 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 34.58 | \$ 33.00 | \$ 33.00 |
| 7/20/2013 | \$ 31.00 | \$ 31.00 | \$ 25.00 | \$ 26.26 | \$ 26.71 | \$ 30.00 | \$ 39.00 | \$ 39.00 | \$ 36.00 | \$ 32.95 | \$ 32.37 | \$ 32.86 | \$ 33.65 | \$ 34.72 | \$ 35.17 | \$ 35.93 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 33.65 | \$ 27.59 | \$ 30.00 |
| 7/21/2013 | \$ 25.45 | \$ 25.40 | \$ 25.80 | \$ 26.90 | \$ 26.74 | \$ 27.29 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 40.48 | \$ 37.40 | \$ 36.85 | \$ 37.67 | \$ 38.47 | \$ 39.51 | \$ 39.03 | \$ 38.49 | \$ 39.14 | \$ 39.16 | \$ 39.50 | \$ 39.61 | \$ 41.82 | \$ 34.00 | \$ 32.00 |
| 7/22/2013 | \$ 26.00 | \$ 26.00 | \$ 26.00 | \$ 28.00 | \$ 27.59 | \$ 28.00 | \$ 38.68 | \$ 34.97 | \$ 33.50 | \$ 34.04 | \$ 35.50 | \$ 36.16 | \$ 40.58 | \$ 44.97 | \$ 44.94 | \$ 50.97 | \$ 48.70 | \$ 45.48 | \$ 43.67 | \$ 43.67 | \$ 43.67 | \$ 32.00 | \$ 30.71 | \$ 30.71 |
| 7/23/2013 | \$ 29.67 | \$ 29.67 | \$ 29.15 | \$ 29.70 | \$ 29.13 | \$ 29.07 | \$ 47.50 | \$ 47.50 | \$ 44.31 | \$ 51.05 | \$ 53.72 | \$ 53.36 | \$ 53.85 | \$ 54.33 | \$ 65.00 | \$ 65.71 | \$ 52.00 | \$ 47.50 | \$ 47.50 | \$ 47.50 | \$ 47.50 | \$ 33.38 | \$ 33.00 | \$ 33.00 |
| 7/24/2013 | \$ 31.00 | \$ 30.33 | \$ 26.69 | \$ 26.14 | \$ 26.45 | \$ 27.47 | \$ 54.63 | \$ 54.63 | \$ 49.87 | \$ 50.66 | \$ 53.06 | \$ 53.88 | \$ 54.79 | \$ 57.56 | \$ 65.06 | \$ 64.58 | \$ 62.79 | \$ 58.56 | \$ 55.57 | \$ 54.71 | \$ 54.63 | \$ 54.63 | \$ 50.86 | \$ 27.60 |
| 7/25/2013 | \$ 27.00 | \$ 26.33 | \$ 24.78 | \$ 24.78 | \$ 25.54 | \$ 32.56 | \$ 53.25 | \$ 53.25 | \$ 47.07 | \$ 47.00 | \$ 47.68 | \$ 52.47 | \$ 50.33 | \$ 53.04 | \$ 54.27 | \$ 55.63 | \$ 54.36 | \$ 53.25 | \$ 53.25 | \$ 53.25 | \$ 53.25 | \$ 39.22 | \$ 30.00 | \$ 30.00 |
| 7/26/2013 | \$ 27.00 | \$ 25.00 | \$ 25.60 | \$ 27.41 | \$ 28.30 | \$ 35.30 | \$ 53.00 | \$ 53.00 | \$ 44.54 | \$ 43.49 | \$ 49.97 | \$ 54.86 | \$ 54.19 | \$ 55.10 | \$ 53.72 | \$ 47.56 | \$ 52.83 | \$ 52.48 | \$ 53.00 | \$ 53.00 | \$ 53.00 | \$ 29.00 | \$ 29.00 | \$ 29.00 |
| 7/27/2013 | \$ 21.29 | \$ 21.74 | \$ 23.62 | \$ 23.62 | \$ 23.80 | \$ 23.00 | n/a | n/a | \$ 22.00 | \$ 24.40 | \$ 30.00 | \$ 29.33 | \$ 35.00 | \$ 30.00 | \$ 33.16 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 23.00 | \$ 24.48 | \$ 23.83 |
| 7/28/2013 | \$ 24.00 | \$ 23.00 | \$ 25.17 | \$ 23.00 | n/a | n/a | \$ 37.17 | \$ 37.17 | \$ 37.17 | \$ 35.24 | \$ 34.48 | \$ 34.89 | \$ 36.94 | \$ 36.29 | \$ 35.60 | \$ 35.63 | \$ 34.82 | \$ 35.19 | \$ 34.76 | \$ 34.31 | \$ 32.59 | \$ 32.59 | \$ 27.55 | \$ 25.27 |
| 7/29/2013 | \$ 27.93 | \$ 25.19 | \$ 24.75 | \$ 25.19 | n/a | n/a | n/a | \$ 26.40 | \$ 32.00 | \$ 33.60 | \$ 34.31 | \$ 34.31 | \$ 38.82 | \$ 42.40 | \$ 42.40 | \$ 41.16 | \$ 39.74 | \$ 38.00 | \$ 38.00 | \$ 35.00 | \$ 27.00 | \$ 27.00 | \$ 35.00 | \$ 27.00 |
| 7/30/2013 | \$ 23.00 | \$ 23.00 | \$ 23.00 | \$ 23.00 | \$ 23.00 | \$ 23.00 | \$ 41.00 | \$ 36.85 | \$ 36.43 | \$ 35.56 | \$ 33.91 | \$ 35.12 | \$ 37.41 | \$ 39.00 | \$ 43.43 | \$ 44.06 | \$ 42.58 | \$ 43.37 | \$ 41.00 | \$ 41.00 | \$ 41.00 | \$ 34.11 | \$ 32.00 | \$ 32.00 |
| 7/31/2013 | \$ 27.33 | \$ 25.00 | \$ 25.91 | \$ 26.25 | \$ 27.63 | \$ 27.95 | \$ 39.50 | \$ 39.50 | \$ 38.01 | \$ 35.52 | \$ 39.74 | \$ 43.71 | \$ 42.94 | \$ 41.50 | \$ 41.46 | \$ 41.05 | \$ 40.56 | \$ 40.03 | \$ 39.50 | \$ 39.50 | \$ 39.50 | \$ 31.29 | \$ 29.82 | \$ 29.82 |
| 8/1/2013 | \$ 26.00 | \$ 26.00 | \$ 26.00 | \$ 26.00 | \$ 23.67 | \$ 21.21 | \$ 32.75 | \$ 22.57 | \$ 25.12 | \$ 26.81 | \$ 25.31 | \$ 27.84 | \$ 26.96 | \$ 28.31 | \$ 28.20 | \$ 28.80 | \$ 32.75 | \$ 32.75 | \$ 32.75 | \$ 26.89 | \$ 32.75 | \$ 32.75 | \$ 16.00 | \$ 16.00 |
| 8/2/2013 | \$ 15.79 | \$ 15.28 | \$ 15.00 | \$ 9.41 | \$ 13.13 | \$ 13.90 | \$ 19.00 | \$ 18.00 | \$ 18.00 | \$ 20.75 | \$ 20.10 | \$ 21.44 | \$ 20.93 | \$ 36.71 | \$ 39.00 | \$ 32.00 | \$ 32.00 | n/a | n/a | \$ 27.00 | \$ 23.06 | \$ 24.16 | \$ 22.40 | \$ 22.86 |
| 8/3/2013 | \$ 24.67 | \$ 23.00 | \$ 25.39 | \$ 24.97 | \$ 25.99 | \$ 26.71 | \$ 22.00 | \$ 22.31 | \$ 25.33 | \$ 26.38 | \$ 28.75 | \$ 28.35 | \$ 27.71 | \$ 24.23 | \$ 24.00 | \$ 27.60 | \$ 27.53 | n/a | n/a | n/a | n/a | \$ 25.86 | \$ 22.74 | \$ 22.74 |
| 8/4/2013 | \$ 24.17 | \$ 23.20 | \$ 22.40 | \$ 23.31 | \$ 22.84 | \$ 24.45 | \$ 40.00 | \$ 40.00 | \$ 36.15 | \$ 35.50 | \$ 35.99 | \$ 36.12 | \$ 38.11 | \$ 40.69 | \$ 41.00 | \$ 42.39 | \$ 42.18 | \$ 41.33 | \$ 40.56 | \$ 40.00 | \$ 40.00 | \$ 39.82 | \$ 31.50 | \$ 23.83 |
| 8/5/2013 | \$ 25.00 | \$ 25.00 | \$ 23.97 | \$ 23.97 | \$ 24.66 | \$ 25.00 | \$ 41.42 | \$ 35.32 | \$ 35.24 | \$ 34.13 | \$ 37.15 | \$ 35.65 | \$ 37.04 | \$ 37.04 | \$ 38.22 | \$ 39.06 | \$ 41.42 | \$ 41.42 | \$ 41.42 | \$ 41.42 | \$ 41.42 | \$ 30.00 | n/a | n/a |
| 8/6/2013 | n/a | \$ 23.63 | \$ 24.44 | \$ 23.91 | \$ 24.50 | \$ 25.00 | \$ 25.00 | \$ 28.00 | \$ 30.00 | \$ 30.21 | \$ 32.00 | \$ 37.30 | \$ 37.22 | \$ 38.00 | \$ 48.06 | \$ 47.94 | \$ 50.00 | n/a | n/a | n/a | n/a | \$ 29.43 | \$ 25.00 | \$ 25.00 |
| 8/7/2013 | \$ 23.77 | \$ 25.80 | \$ 24.33 | \$ 24.33 | \$ 25.14 | \$ 27.50 | \$ 38.00 | \$ 35.36 | \$ 34.72 | \$ 34.81 | \$ 36.27 | \$ 36.22 | \$ 37.41 | \$ 37.59 | \$ 43.41 | \$ 45.82 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 30.79 | \$ 25.46 | \$ 25.46 |
| 8/8/2013 | \$ 25.00 | \$ 23.00 | \$ 23.00 | \$ 23.00 | \$ 23.33 | \$ 23.45 | \$ 36.00 | \$ 31.95 | \$ 34.84 | \$ 34.49 | \$ 39.60 | \$ 43.82 | \$ 43.85 | \$ 45.00 | \$ 52.29 | \$ 53.97 | \$ 53.31 | \$ 51.18 | \$ 39.69 | \$ 38.00 | \$ 38.00 | \$ 35.42 | \$ 37.62 | \$ 31.00 |
| 8/9/2013 | \$ 27.00 | n/a | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 28.69 | \$ 31.00 | \$ 33.67 | \$ 33.87 | \$ 37.72 | \$ 38.50 | \$ 37.06 | \$ 40.28 | \$ 41.19 | \$ 41.32 | \$ 40.13 | \$ 38.64 | \$ 33.00 | \$ 31.00 | \$ 31.00 | \$ 33.00 | \$ 29.25 | \$ 35.00 | \$ 25.00 |
| 8/10/2013 | \$ 23.33 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 23.82 | \$ 24.00 | \$ 31.00 | \$ 31.00 | \$ 31.00 | \$ 28.64 | \$ 30.25 | \$ 30.24 | \$ 31.72 | \$ 31.69 | \$ 38.23 | \$ 41.39 | \$ 40.45 | \$ 35.00 | \$ 31.00 | \$ 31.00 | \$ 31.00 | \$ 30.36 | \$ 23.00 | \$ 20.00 |
| 8/11/2013 | \$ 21.83 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 39.00 | \$ 39.00 | \$ 37.31 | \$ 35.57 | \$ 34.46 | \$ 33.63 | \$ 34.13 | \$ 36.21 | \$ 36.91 | \$ 37.06 | \$ 37.03 | \$ 37.86 | \$ 38.16 | \$ 38.33 | \$ 37.17 | \$ 38.18 | \$ 24.97 | \$ 24.00 |
| 8/12/2013 | \$ 22.20 | \$ 21.82 | \$ 21.55 | \$ 21.57 | \$ 26.33 | \$ 30.00 | \$ 40.25 | \$ 38.20 | \$ 35.54 | \$ 35.27 | \$ 35.29 | \$ 38.47 | \$ 38.91 | \$ 39.78 | \$ 41.26 | \$ 40.11 | \$ 40.14 | \$ 40.17 | \$ 40.25 | \$ 40.25 | \$ 40.25 | \$ 28.00 | \$ 25.00 | \$ 25.00 |
| 8/13/2013 | n/a | n/a | n/a | n/a | n/a | \$ 28.00 | \$ 41.38 | \$ 41.38 | \$ 36.36 | \$ 35.43 | | | | | | | | | | | | | | |

MEIC-19 Average Price

| Row Labels | Aug1 | Aug2 | Aug3 | Aug4 | Aug5 | Aug6 | Aug7 | Aug8 | Aug9 | Aug10 | Aug11 | Aug12 | Aug13 | Aug14 | Aug15 | Aug16 | Aug17 | Aug18 | Aug19 | Aug20 | Aug21 | Aug22 | Aug23 | Aug24 | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
| 9/3/2013 | \$ 33.83 | \$ 35.10 | \$ 36.78 | \$ 36.78 | \$ 33.15 | \$ 33.15 | \$ 49.54 | \$ 49.54 | \$ 48.39 | \$ 44.01 | \$ 46.77 | \$ 50.16 | \$ 50.38 | \$ 51.25 | \$ 52.06 | \$ 53.41 | \$ 51.30 | \$ 49.69 | \$ 48.78 | \$ 49.54 | \$ 47.81 | \$ 47.81 | \$ 36.87 | \$ 36.45 | |
| 9/4/2013 | n/a | n/a | \$ 30.00 | \$ 29.00 | \$ 29.84 | \$ 49.80 | \$ 56.92 | \$ 55.33 | \$ 52.44 | \$ 52.82 | \$ 53.77 | \$ 51.07 | \$ 53.15 | \$ 55.24 | \$ 54.19 | \$ 55.30 | \$ 54.47 | \$ 53.47 | \$ 55.11 | \$ 55.43 | \$ 56.92 | \$ 47.53 | \$ 33.08 | \$ 32.45 | |
| 9/5/2013 | \$ 27.83 | \$ 27.00 | \$ 26.00 | \$ 25.83 | \$ 35.89 | \$ 46.83 | \$ 46.83 | \$ 44.84 | \$ 46.22 | \$ 47.88 | \$ 49.06 | \$ 50.17 | \$ 52.61 | \$ 53.86 | \$ 54.47 | \$ 51.39 | \$ 46.25 | \$ 46.00 | \$ 46.25 | \$ 44.84 | \$ 47.16 | \$ 45.71 | \$ 40.91 | \$ 40.00 | |
| 9/6/2013 | \$ 32.00 | \$ 30.00 | \$ 21.00 | \$ 24.92 | \$ 28.67 | \$ 33.23 | \$ 44.84 | \$ 44.84 | \$ 46.22 | \$ 47.88 | \$ 49.06 | \$ 50.17 | \$ 52.61 | \$ 53.86 | \$ 54.47 | \$ 51.39 | \$ 46.25 | \$ 46.00 | \$ 46.25 | \$ 44.84 | \$ 47.16 | \$ 45.71 | \$ 40.91 | \$ 40.00 | |
| 9/7/2013 | \$ 30.38 | \$ 28.33 | \$ 27.65 | \$ 28.00 | n/a | n/a | \$ 43.58 | \$ 43.58 | \$ 41.81 | \$ 42.83 | \$ 47.55 | \$ 48.44 | \$ 48.72 | \$ 51.24 | \$ 51.24 | \$ 48.85 | \$ 43.58 | \$ 44.93 | \$ 43.58 | \$ 43.40 | \$ 43.58 | \$ 43.19 | \$ 55.00 | \$ 38.00 | |
| 9/8/2013 | \$ 32.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 59.21 | \$ 51.61 | \$ 46.21 | \$ 47.89 | \$ 47.49 | \$ 48.81 | \$ 50.57 | \$ 50.69 | \$ 51.51 | \$ 52.38 | \$ 53.41 | \$ 56.72 | \$ 59.21 | \$ 58.13 | \$ 56.71 | \$ 59.21 | \$ 41.65 | \$ 25.00 | |
| 9/9/2013 | \$ 22.00 | \$ 20.00 | n/a | n/a | n/a | \$ 29.00 | \$ 72.17 | \$ 72.17 | \$ 58.51 | \$ 72.17 | \$ 72.17 | \$ 72.17 | \$ 72.17 | \$ 65.18 | \$ 72.17 | \$ 63.95 | \$ 67.08 | \$ 72.17 | \$ 72.17 | \$ 72.17 | \$ 72.17 | \$ 72.17 | \$ 33.28 | \$ 33.00 | |
| 9/10/2013 | \$ 30.00 | \$ 28.00 | \$ 28.00 | \$ 28.40 | \$ 28.83 | \$ 35.00 | \$ 52.47 | \$ 52.47 | \$ 63.21 | \$ 58.11 | \$ 55.53 | \$ 55.77 | \$ 55.35 | \$ 54.55 | \$ 54.18 | \$ 54.58 | \$ 56.58 | \$ 63.85 | \$ 57.10 | \$ 52.47 | \$ 52.47 | \$ 52.47 | \$ 36.97 | \$ 33.06 | |
| 9/11/2013 | \$ 32.00 | \$ 28.73 | \$ 26.29 | \$ 26.59 | \$ 26.93 | \$ 31.74 | \$ 43.68 | \$ 43.68 | \$ 44.44 | \$ 42.87 | \$ 44.55 | \$ 45.69 | \$ 46.45 | \$ 47.62 | \$ 47.34 | \$ 47.34 | \$ 49.25 | \$ 49.36 | \$ 49.28 | \$ 49.28 | \$ 50.38 | \$ 37.31 | \$ 36.78 | \$ 32.00 | |
| 9/12/2013 | n/a | \$ 30.00 | \$ 27.00 | \$ 27.00 | \$ 31.65 | \$ 38.13 | \$ 48.63 | \$ 41.27 | \$ 41.29 | \$ 41.20 | \$ 42.05 | \$ 46.74 | \$ 45.04 | \$ 45.40 | \$ 45.21 | \$ 47.50 | \$ 46.63 | \$ 46.63 | \$ 45.18 | \$ 45.18 | \$ 39.93 | \$ 40.91 | \$ 38.87 | \$ 32.00 | |
| 9/13/2013 | \$ 26.00 | \$ 29.14 | \$ 29.56 | \$ 29.27 | \$ 28.61 | \$ 29.65 | \$ 36.88 | \$ 37.22 | \$ 36.41 | \$ 35.91 | \$ 36.97 | \$ 37.86 | \$ 38.53 | \$ 38.43 | \$ 38.33 | \$ 38.87 | \$ 38.64 | \$ 39.00 | \$ 38.33 | \$ 37.79 | \$ 39.29 | \$ 39.00 | \$ 34.38 | \$ 28.00 | |
| 9/14/2013 | \$ 29.01 | \$ 29.01 | \$ 29.01 | \$ 29.01 | \$ 27.61 | \$ 27.55 | \$ 33.00 | \$ 32.70 | \$ 30.72 | \$ 31.50 | \$ 33.29 | \$ 33.17 | \$ 32.56 | \$ 32.58 | \$ 32.68 | \$ 33.36 | \$ 33.92 | \$ 33.54 | \$ 31.73 | \$ 31.83 | \$ 31.75 | \$ 33.00 | \$ 29.01 | \$ 29.01 | |
| 9/15/2013 | \$ 26.44 | \$ 25.34 | \$ 25.86 | \$ 25.03 | \$ 22.23 | \$ 28.75 | \$ 30.95 | \$ 30.91 | \$ 30.09 | \$ 29.35 | \$ 29.41 | \$ 31.30 | \$ 30.19 | \$ 29.80 | \$ 29.38 | \$ 30.31 | \$ 30.54 | \$ 34.18 | \$ 30.38 | \$ 28.43 | \$ 30.16 | \$ 30.54 | \$ 26.62 | \$ 27.13 | |
| 9/16/2013 | \$ 22.42 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 35.00 | \$ 35.00 | \$ 38.80 | \$ 36.36 | \$ 34.66 | \$ 34.83 | \$ 34.52 | \$ 30.06 | \$ 29.38 | \$ 24.59 | \$ 24.62 | \$ 24.43 | \$ 24.48 | \$ 24.43 | \$ 24.14 | \$ 23.94 | \$ 23.40 | \$ 23.00 | |
| 9/17/2013 | \$ 20.00 | \$ 10.00 | \$ 17.00 | \$ 21.54 | \$ 17.00 | \$ 23.18 | \$ 19.32 | \$ 19.60 | \$ 22.56 | \$ 23.50 | \$ 23.11 | \$ 23.64 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 25.00 | \$ 25.00 | \$ 25.00 | n/a | \$ 22.00 | n/a | |
| 9/18/2013 | n/a | n/a | n/a | n/a | n/a | \$ 24.42 | \$ 28.17 | \$ 28.26 | \$ 28.26 | \$ 28.83 | \$ 28.85 | \$ 28.85 | \$ 28.96 | \$ 29.29 | \$ 29.69 | \$ 28.91 | \$ 28.62 | \$ 28.68 | \$ 28.50 | \$ 28.17 | \$ 28.45 | \$ 28.15 | \$ 27.44 | \$ 26.50 | |
| 9/19/2013 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 26.00 | \$ 32.23 | \$ 28.17 | \$ 29.15 | \$ 29.18 | \$ 30.06 | \$ 30.13 | \$ 30.19 | \$ 30.19 | \$ 30.06 | \$ 29.65 | \$ 29.66 | \$ 29.63 | \$ 29.56 | \$ 29.09 | \$ 27.58 | \$ 27.17 | \$ 26.75 | \$ 25.00 | \$ 25.00 | |
| 9/20/2013 | \$ 25.00 | \$ 24.85 | \$ 24.77 | \$ 24.78 | \$ 24.81 | \$ 24.67 | \$ 26.75 | \$ 26.75 | \$ 25.87 | \$ 25.93 | \$ 25.74 | \$ 25.97 | \$ 25.97 | \$ 26.17 | \$ 26.75 | \$ 26.54 | \$ 26.44 | \$ 26.47 | \$ 26.38 | \$ 26.38 | \$ 26.75 | \$ 26.75 | \$ 24.21 | \$ 24.00 | |
| 9/21/2013 | n/a | n/a | n/a | n/a | n/a | \$ 25.00 | \$ 21.84 | \$ 28.67 | \$ 28.07 | \$ 28.24 | \$ 30.13 | \$ 30.31 | \$ 29.70 | \$ 29.53 | \$ 28.56 | \$ 28.67 | \$ 29.70 | \$ 29.77 | \$ 30.00 | \$ 27.95 | \$ 27.28 | \$ 22.76 | \$ 28.00 | \$ 25.00 | |
| 9/22/2013 | \$ 23.31 | \$ 22.00 | n/a | n/a | n/a | \$ 33.82 | \$ 28.00 | \$ 30.00 | \$ 28.00 | \$ 32.35 | \$ 30.00 | \$ 30.00 | n/a | n/a | \$ 30.00 | n/a | \$ 28.00 | \$ 28.00 | \$ 28.62 | \$ 29.75 | \$ 28.54 | \$ 30.80 | \$ 30.40 | \$ 28.00 | |
| 9/23/2013 | n/a | n/a | n/a | n/a | \$ 28.00 | \$ 30.00 | \$ 26.56 | \$ 27.48 | \$ 27.30 | \$ 28.25 | \$ 28.25 | \$ 27.61 | \$ 27.61 | \$ 27.70 | \$ 27.82 | \$ 27.79 | \$ 27.52 | \$ 26.96 | \$ 24.64 | \$ 23.90 | \$ 26.26 | \$ 25.00 | \$ 25.00 | \$ 25.00 | |
| 9/24/2013 | n/a | n/a | n/a | n/a | \$ 29.00 | \$ 29.00 | n/a | \$ 32.00 | \$ 30.00 | \$ 30.00 | \$ 33.33 | \$ 32.86 | \$ 29.77 | \$ 30.00 | \$ 29.60 | \$ 29.82 | \$ 30.00 | \$ 30.00 | \$ 30.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 23.00 | |
| 9/25/2013 | \$ 26.00 | n/a | n/a | n/a | \$ 25.00 | \$ 30.00 | \$ 37.00 | \$ 37.00 | \$ 36.18 | \$ 35.11 | \$ 34.38 | \$ 34.50 | \$ 35.11 | \$ 34.94 | \$ 34.57 | \$ 34.94 | \$ 34.71 | \$ 31.42 | \$ 30.92 | \$ 31.38 | \$ 31.66 | \$ 28.94 | \$ 28.00 | \$ 28.00 | |
| 9/26/2013 | \$ 22.53 | \$ 22.47 | \$ 22.44 | \$ 22.47 | \$ 22.61 | \$ 24.00 | \$ 26.46 | \$ 25.00 | \$ 25.00 | \$ 25.76 | \$ 25.00 | \$ 25.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 32.00 | n/a | \$ 25.00 | \$ 25.00 | \$ 20.00 | |
| 9/27/2013 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | |
| 9/28/2013 | n/a | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 24.99 | \$ 27.00 | \$ 27.00 | \$ 27.00 | \$ 23.88 | \$ 23.88 | \$ 23.88 | \$ 23.88 | \$ 23.88 | \$ 23.88 | \$ 23.42 | \$ 28.48 | \$ 25.23 | \$ 28.89 | \$ 28.18 | \$ 27.00 | n/a | n/a | |
| 9/29/2013 | n/a | n/a | n/a | n/a | \$ 15.00 | \$ 18.72 | \$ 18.00 | \$ 18.00 | \$ 22.82 | \$ 18.44 | \$ 18.48 | \$ 19.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| 9/30/2013 | n/a | n/a | n/a | n/a | \$ 19.00 | \$ 24.00 | \$ 28.00 | \$ 30.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 8.00 | \$ 8.00 | \$ 15.00 | n/a | \$ 26.97 | \$ 13.00 | |
| 10/1/2013 | n/a | n/a | n/a | n/a | \$ 22.00 | \$ 25.00 | n/a | n/a | n/a | \$ 31.41 | \$ 32.10 | \$ 31.63 | \$ 30.00 | n/a | \$ 30.00 | |
| 10/2/2013 | n/a | n/a | n/a | n/a | \$ 25.00 | \$ 25.00 | \$ 34.00 | \$ 34.00 | \$ 33.00 | \$ 33.00 | \$ 33.00 | \$ 32.46 | \$ 32.46 | \$ 32.82 | \$ 32.89 | \$ 32.45 | \$ 32.11 | \$ 31.41 | \$ 32.10 | \$ 30.00 | n/a | \$ 28.00 | n/a | \$ 28.00 | |
| 10/3/2013 | \$ 26.00 | n/a | n/a | n/a | \$ 26.00 | \$ 28.00 | \$ 37.00 | \$ 37.00 | \$ 36.18 | \$ 35.11 | \$ 34.38 | \$ 34.50 | \$ 35.11 | \$ 34.94 | \$ 34.57 | \$ 34.94 | \$ 34.71 | \$ 31.42 | \$ 30.92 | \$ 31.38 | \$ 31.66 | \$ 28.94 | \$ 28.00 | \$ 28.00 | |
| 10/4/2013 | \$ 29.90 | \$ 27.64 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | |
| 10/5/2013 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | |
| 10/6/2013 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 27.00 | \$ 27.00 | \$ 27.00 | \$ 27.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.43 | \$ 28.37 | \$ 29.77 | \$ 30.67 | \$ 28.86 | \$ 28.00 | \$ 28.00 | \$ 25.00 | |
| 10/7/2013 | n/a | n/a | \$ 24.00 | \$ 24.00 | \$ 26.85 | \$ 33.00 | \$ 32.18 | \$ 27.76 | \$ 28.33 | \$ 28.31 | \$ 27.82 | \$ 26.00 | \$ 26.33 | \$ 23.62 | \$ 23.64 | \$ 23.71 | \$ 20.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 21.00 | n/a |
| 10/8/2013 | \$ 8.00 | n/a | \$ 9.00 | \$ 11.00 | \$ 19.00 | \$ 19.00 | \$ 19.00 | \$ 19.00 | \$ 23.00 | \$ 20.00 | \$ 18.00 | \$ 18.00 | \$ 18.00 | \$ 22.00 | \$ 22.00 | \$ 20.00 | \$ 20.00 | \$ 20.00 | \$ 25.29 | \$ 37.50 | \$ 34.00 | \$ 27.71 | \$ 25.39 | \$ 26.15 | |
| 10/9/2013 | \$ 25.65 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 30.36 | \$ 33.15 | \$ 34.00 | \$ 37.25 | \$ 39.88 | \$ 37.80 | \$ 34.80 | \$ 33.00 | \$ 32.83 | \$ 32.83 | \$ 32.96 | \$ 32.89 | \$ 32.83 | \$ 32.81 | \$ 32.93 | \$ 32.37 | \$ 31.80 | \$ 32.05 | \$ 28.00 | |
| 10/10/2013 | \$ 25.63 | \$ 25.41 | \$ 25.38 | \$ 25.54 | \$ 26.34 | \$ 30.63 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 27.00 | \$ 27.00 | \$ 27.00 | \$ 27.00 | \$ 27.25 | \$ 27.00 | \$ 26.31 | \$ 26.31 | \$ 26.50 | \$ 28.00 | |
| 10/11/2013 | \$ 30.19 | \$ 29.52 | \$ 29.54 | \$ 29.54 | \$ 30.23 | \$ 29.69 | \$ 29.25 | \$ 30.00 | \$ 31.89 | \$ 33.52 | \$ 33.97 | \$ 32.83 | \$ 33.70 | \$ 33.11 | \$ 34.00 | \$ 33.00 | \$ 32.85 | \$ 32.83 | \$ 32.77 | \$ 33.97 | \$ 32.87 | \$ 32.00 | \$ 32.00 | \$ 30.48 | |
| 10/12/2013 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 30.50 | \$ 34.29 | \$ 33.19 | \$ 33.84 | \$ 33.88 | \$ 34.42 | \$ 34.46 | \$ 33.96 | \$ 33.55 | \$ 33.00 | \$ 33.33 | \$ 34.54 | \$ 34.55 | \$ 34.56 | \$ 32.85 | \$ 32.87 | \$ 32.00 | \$ 31.26 | \$ 28.00 | |
| 10/13/2013 | \$ 25.88 | \$ 25.78 | \$ 26.00 | \$ 26.00 | \$ 30.00 | \$ 32.84 | \$ 32.84 | \$ 32.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 33.09 | \$ 32.77 | \$ 32.46 | \$ 31.66 | \$ 31.91 | \$ 32.53 | \$ 32.58 | \$ 32.56 | \$ 32.25 | \$ 32.31 | \$ 32.76 | \$ 32.00 | |
| 10/14/2013 | \$ 30.00 | \$ 29.07 | \$ 28.19 | \$ 26.73 | \$ 29.00 | \$ 30.81 | \$ 40.03 | \$ 51.82 | \$ 44.43 | \$ 44.32 | \$ 36.00 | \$ 39.11 | \$ 37.78 | \$ 37.78 | \$ 36.00 | \$ 36.00</ | | | | | | | | | |

MEIC-19 Average Price

| Row Labels | Avg1 | Avg2 | Avg3 | Avg4 | Avg5 | Avg6 | Avg7 | Avg8 | Avg9 | Avg10 | Avg11 | Avg12 | Avg13 | Avg14 | Avg15 | Avg16 | Avg17 | Avg18 | Avg19 | Avg20 | Avg21 | Avg22 | Avg23 | Avg24 |
|------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|
| 11/6/2013 | n/a | \$ 28.22 | \$ 28.62 | n/a | \$ 30.27 | \$ 35.21 | \$ 38.00 | \$ 44.00 | \$ 40.00 | \$ 39.33 | \$ 35.00 | n/a | \$ 30.00 | \$ 34.09 | \$ 30.00 | \$ 34.10 | \$ 35.28 | \$ 44.56 | \$ 36.88 | \$ 35.00 | \$ 30.00 | \$ 30.43 | \$ 29.56 | \$ 28.19 |
| 11/7/2013 | n/a | n/a | \$ 31.13 | \$ 30.78 | \$ 31.13 | \$ 30.78 | \$ 45.41 | \$ 43.14 | \$ 39.30 | \$ 39.33 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 34.09 | \$ 34.08 | \$ 33.63 | \$ 33.00 | \$ 31.64 | \$ 31.33 | \$ 31.17 | \$ 30.00 | \$ 30.00 | \$ 28.13 | \$ 25.00 |
| 11/8/2013 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 25.00 | \$ 28.00 | \$ 33.50 | \$ 32.00 | \$ 32.50 | n/a | n/a | n/a | n/a | \$ 32.00 | \$ 38.00 | \$ 38.00 | \$ 35.62 | \$ 32.00 | \$ 33.16 | \$ 33.78 | \$ 30.88 | \$ 30.92 |
| 11/9/2013 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 33.50 | \$ 33.50 | \$ 31.68 | \$ 32.54 | \$ 32.54 | \$ 32.50 | \$ 31.35 | \$ 31.03 | \$ 31.03 | \$ 31.03 | \$ 31.93 | \$ 33.83 | \$ 33.40 | \$ 33.16 | \$ 34.25 | \$ 31.78 | \$ 30.88 | \$ 30.92 |
| 11/10/2013 | \$ 30.32 | \$ 30.35 | \$ 30.07 | \$ 31.66 | \$ 33.77 | \$ 34.01 | \$ 34.12 | \$ 32.94 | \$ 32.82 | \$ 32.84 | \$ 32.70 | \$ 32.60 | \$ 32.60 | \$ 32.39 | \$ 32.43 | \$ 33.10 | \$ 36.22 | \$ 36.81 | \$ 37.79 | \$ 34.37 | \$ 38.53 | \$ 39.07 | \$ 34.48 | \$ 33.11 |
| 11/11/2013 | \$ 35.67 | \$ 35.65 | \$ 33.98 | \$ 35.50 | \$ 37.92 | \$ 42.02 | \$ 40.30 | \$ 39.02 | \$ 38.79 | \$ 39.82 | \$ 41.06 | \$ 41.56 | \$ 40.50 | \$ 40.29 | \$ 40.32 | \$ 41.28 | \$ 43.76 | \$ 43.49 | \$ 43.41 | \$ 42.40 | \$ 41.76 | \$ 40.61 | \$ 40.31 | \$ 39.30 |
| 11/12/2013 | \$ 43.00 | \$ 40.58 | \$ 40.58 | \$ 40.22 | \$ 43.89 | \$ 42.07 | \$ 41.44 | \$ 41.47 | \$ 40.20 | \$ 39.35 | \$ 38.26 | \$ 37.46 | \$ 36.84 | \$ 36.84 | \$ 36.84 | \$ 37.68 | \$ 39.30 | \$ 39.96 | \$ 40.31 | \$ 39.74 | \$ 38.30 | \$ 36.85 | \$ 31.21 | \$ 26.38 |
| 11/13/2013 | \$ 26.00 | \$ 27.40 | \$ 26.00 | \$ 26.00 | \$ 28.40 | \$ 32.59 | \$ 35.51 | \$ 37.03 | \$ 36.43 | \$ 35.36 | \$ 35.42 | \$ 35.13 | \$ 33.64 | \$ 34.44 | \$ 34.21 | \$ 33.33 | \$ 35.14 | \$ 35.00 | \$ 36.63 | \$ 36.86 | \$ 36.35 | \$ 35.61 | \$ 32.00 | \$ 30.50 |
| 11/14/2013 | \$ 26.00 | \$ 28.00 | \$ 27.00 | \$ 25.00 | \$ 28.00 | \$ 34.63 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 33.63 | \$ 32.18 | \$ 32.43 | \$ 31.67 | \$ 33.36 | \$ 35.00 | \$ 33.07 | \$ 33.16 | \$ 34.31 | \$ 34.56 | \$ 32.27 | \$ 30.59 | \$ 28.21 | \$ 27.00 |
| 11/15/2013 | n/a | n/a | n/a | n/a | \$ 22.00 | \$ 22.50 | \$ 26.00 | \$ 28.00 | \$ 28.00 | n/a | \$ 28.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 25.00 | \$ 28.00 | \$ 34.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 32.00 | \$ 27.14 | \$ 23.00 |
| 11/16/2013 | \$ 21.83 | \$ 23.98 | \$ 21.91 | \$ 21.05 | \$ 21.89 | n/a | \$ 35.62 | \$ 35.17 | \$ 35.03 | \$ 35.17 | \$ 36.31 | \$ 34.84 | \$ 36.31 | \$ 35.68 | \$ 34.07 | \$ 32.78 | \$ 33.13 | \$ 33.50 | \$ 35.30 | \$ 35.30 | \$ 33.18 | \$ 33.37 | \$ 34.94 | \$ 24.79 |
| 11/18/2013 | \$ 23.52 | \$ 23.00 | \$ 22.43 | \$ 22.44 | \$ 22.94 | \$ 27.05 | \$ 33.18 | \$ 36.40 | \$ 36.29 | \$ 34.15 | \$ 34.61 | \$ 36.00 | \$ 37.50 | \$ 35.50 | \$ 36.23 | \$ 37.50 | \$ 38.75 | \$ 42.24 | \$ 43.42 | \$ 43.42 | \$ 36.28 | \$ 36.19 | \$ 36.14 | \$ 27.05 |
| 11/19/2013 | \$ 23.77 | \$ 22.07 | \$ 22.00 | \$ 22.26 | \$ 22.35 | \$ 23.96 | \$ 31.00 | \$ 33.00 | \$ 33.00 | \$ 30.00 | \$ 30.00 | n/a | n/a | n/a | n/a | \$ 28.00 | \$ 29.21 | \$ 29.00 | \$ 29.00 | \$ 29.00 | \$ 29.00 | \$ 28.39 | \$ 26.62 | \$ 26.96 |
| 11/20/2013 | \$ 26.00 | \$ 24.00 | \$ 24.17 | \$ 27.05 | \$ 26.48 | \$ 27.25 | \$ 33.74 | \$ 34.17 | \$ 34.95 | \$ 37.71 | \$ 38.25 | \$ 39.88 | \$ 39.88 | \$ 39.88 | \$ 39.88 | \$ 36.55 | \$ 37.46 | \$ 42.10 | \$ 47.84 | \$ 41.45 | \$ 41.33 | \$ 44.87 | \$ 37.37 | \$ 34.28 |
| 11/21/2013 | \$ 35.11 | \$ 34.97 | \$ 34.98 | \$ 35.38 | \$ 36.47 | \$ 40.11 | \$ 49.48 | \$ 49.51 | \$ 49.05 | \$ 46.78 | \$ 46.32 | \$ 46.25 | \$ 46.10 | \$ 46.13 | \$ 44.91 | \$ 45.66 | \$ 45.80 | \$ 46.54 | \$ 46.54 | \$ 46.54 | \$ 46.54 | \$ 46.54 | \$ 34.37 | \$ 34.28 |
| 11/22/2013 | \$ 32.78 | \$ 32.78 | \$ 32.78 | \$ 32.78 | \$ 35.00 | \$ 42.96 | \$ 43.00 | \$ 44.60 | \$ 45.07 | \$ 44.60 | \$ 44.29 | \$ 42.88 | \$ 41.95 | \$ 40.74 | \$ 40.29 | \$ 40.37 | \$ 39.50 | \$ 43.79 | \$ 43.38 | \$ 42.93 | \$ 42.93 | \$ 42.16 | \$ 36.96 | \$ 35.38 |
| 11/23/2013 | \$ 32.17 | \$ 32.26 | \$ 32.27 | \$ 32.26 | \$ 32.45 | \$ 33.67 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 41.30 | \$ 40.85 | \$ 41.86 | \$ 43.00 | \$ 43.00 | \$ 43.00 | \$ 31.00 | \$ 31.50 |
| 11/24/2013 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 32.89 | \$ 35.56 | \$ 35.88 | \$ 36.11 | \$ 35.61 | \$ 37.65 | \$ 37.13 | \$ 37.10 | \$ 36.98 | \$ 36.79 | \$ 37.32 | \$ 36.73 | \$ 36.77 | \$ 36.78 | \$ 38.36 | \$ 37.49 | \$ 37.04 | \$ 36.03 | \$ 33.60 | \$ 33.75 |
| 11/25/2013 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 41.25 | \$ 40.94 | \$ 41.04 | \$ 40.78 | \$ 40.03 | \$ 37.76 | \$ 38.13 | \$ 37.46 | \$ 37.08 | \$ 36.47 | \$ 36.92 | \$ 41.80 | \$ 41.84 | \$ 40.89 | \$ 40.82 | \$ 40.72 | \$ 38.15 | \$ 37.33 |
| 11/26/2013 | \$ 33.20 | \$ 34.56 | \$ 35.94 | \$ 36.14 | \$ 36.84 | \$ 38.16 | \$ 40.17 | \$ 40.29 | \$ 44.10 | \$ 44.72 | \$ 40.22 | \$ 40.12 | \$ 37.79 | \$ 37.79 | \$ 38.00 | \$ 38.67 | \$ 40.61 | \$ 41.31 | \$ 41.39 | \$ 41.49 | \$ 41.26 | \$ 41.00 | \$ 37.33 | n/a |
| 11/27/2013 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 40.77 | \$ 41.00 | \$ 41.26 | \$ 40.65 | \$ 40.50 | \$ 38.71 | \$ 39.62 | \$ 39.29 | \$ 38.56 | \$ 38.26 | \$ 40.78 | \$ 40.81 | \$ 41.09 | \$ 40.38 | \$ 39.80 | \$ 39.80 | \$ 32.49 | \$ 33.22 |
| 11/28/2013 | \$ 33.09 | \$ 33.09 | \$ 33.09 | \$ 33.09 | \$ 32.91 | \$ 33.51 | \$ 37.55 | \$ 37.84 | \$ 39.58 | \$ 39.66 | \$ 38.61 | \$ 38.74 | \$ 38.05 | \$ 38.05 | \$ 38.05 | \$ 38.05 | \$ 37.84 | \$ 35.98 | \$ 35.98 | \$ 37.24 | \$ 39.17 | \$ 39.17 | \$ 34.33 | \$ 34.33 |
| 11/29/2013 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | n/a | n/a | \$ 37.00 | \$ 37.00 | \$ 37.00 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 42.00 | \$ 42.00 | \$ 42.00 | \$ 42.00 | \$ 38.00 | \$ 34.33 | \$ 34.33 |
| 11/30/2013 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | \$ 34.33 | n/a | n/a | \$ 37.00 | \$ 37.00 | \$ 37.00 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 42.00 | \$ 42.00 | \$ 42.00 | \$ 42.00 | \$ 38.00 | \$ 34.33 | \$ 34.33 |
| 12/1/2013 | \$ 9.00 | \$ 16.00 | \$ 16.00 | \$ 16.00 | \$ 16.00 | \$ 15.87 | \$ 16.83 | \$ 19.30 | \$ 22.80 | \$ 23.27 | \$ 23.00 | \$ 24.83 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 24.00 | \$ 33.52 | \$ 33.51 | \$ 34.17 | \$ 38.00 | \$ 34.00 | \$ 33.54 | \$ 34.33 | \$ 34.33 |
| 12/2/2013 | n/a | n/a | n/a | n/a | \$ 29.00 | \$ 32.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 28.00 | \$ 9.00 |
| 12/3/2013 | \$ 40.73 | \$ 40.73 | \$ 40.73 | \$ 40.73 | \$ 40.59 | \$ 41.63 | \$ 65.45 | \$ 71.82 | \$ 69.69 | \$ 67.35 | \$ 68.06 | \$ 65.10 | \$ 68.75 | \$ 68.75 | \$ 72.50 | \$ 65.63 | \$ 64.93 | \$ 65.95 | \$ 70.00 | \$ 67.07 | \$ 72.50 | \$ 60.29 | \$ 49.10 | |
| 12/4/2013 | \$ 49.29 | \$ 49.32 | \$ 49.30 | \$ 49.34 | \$ 50.00 | \$ 52.72 | \$ 80.60 | \$ 86.84 | \$ 86.49 | \$ 85.20 | \$ 79.66 | \$ 71.70 | \$ 70.74 | \$ 70.16 | \$ 69.02 | \$ 72.22 | \$ 74.66 | \$ 81.55 | \$ 84.63 | \$ 83.39 | \$ 83.39 | \$ 50.28 | \$ 49.94 | |
| 12/5/2013 | \$ 50.91 | \$ 51.00 | \$ 51.00 | \$ 51.00 | \$ 51.00 | \$ 51.80 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 71.16 | \$ 69.37 | \$ 71.39 | \$ 95.72 | \$ 70.97 | \$ 69.83 | \$ 70.48 | \$ 66.39 | \$ 50.79 | \$ 52.10 |
| 12/7/2013 | \$ 50.03 | \$ 50.34 | \$ 50.34 | \$ 50.34 | \$ 50.20 | \$ 50.69 | \$ 71.16 | \$ 70.45 | \$ 70.40 | \$ 71.62 | \$ 71.18 | \$ 72.25 | \$ 71.85 | \$ 71.28 | \$ 70.18 | \$ 70.13 | \$ 70.80 | \$ 70.80 | \$ 79.81 | \$ 75.70 | \$ 72.60 | \$ 58.56 | \$ 56.18 | |
| 12/8/2013 | \$ 81.69 | \$ 81.69 | \$ 81.69 | \$ 84.26 | \$ 84.26 | \$ 84.26 | \$ 84.77 | \$ 85.99 | \$ 88.47 | \$ 89.62 | \$ 88.84 | \$ 88.77 | \$ 87.83 | \$ 88.24 | \$ 88.29 | \$ 88.86 | \$ 95.78 | \$ 111.69 | \$ 114.33 | \$ 97.60 | \$ 94.50 | \$ 92.28 | \$ 90.27 | \$ 89.49 |
| 12/9/2013 | \$ 89.49 | \$ 89.49 | \$ 89.49 | \$ 89.49 | \$ 86.60 | \$ 84.34 | \$ 153.70 | \$ 125.00 | \$ 117.71 | \$ 99.17 | \$ 98.75 | \$ 91.36 | \$ 90.70 | \$ 92.50 | \$ 93.57 | \$ 79.62 | \$ 107.61 | \$ 108.33 | \$ 107.61 | \$ 92.88 | \$ 77.48 | \$ 67.68 | \$ 82.90 | \$ 89.49 |
| 12/10/2013 | \$ 46.43 | \$ 44.74 | \$ 44.67 | \$ 44.64 | \$ 45.66 | \$ 49.06 | \$ 69.14 | \$ 70.80 | \$ 70.27 | \$ 71.33 | \$ 71.33 | \$ 71.33 | \$ 71.33 | \$ 71.33 | \$ 71.33 | \$ 71.33 | \$ 68.80 | \$ 93.93 | \$ 78.80 | \$ 80.00 | \$ 73.10 | \$ 70.61 | \$ 66.58 | \$ 64.31 |
| 12/11/2013 | \$ 55.16 | \$ 52.64 | \$ 52.50 | \$ 52.50 | \$ 55.38 | \$ 52.50 | \$ 90.00 | \$ 100.00 | \$ 100.00 | \$ 80.00 | \$ 70.00 | n/a | n/a | n/a | n/a | \$ 52.00 | \$ 60.00 | \$ 65.00 | \$ 60.00 | \$ 75.00 | \$ 65.00 | \$ 65.00 | \$ 52.50 | \$ 52.50 |
| 12/12/2013 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 36.00 | \$ 95.00 | \$ 100.00 | \$ 100.00 | \$ 85.00 | n/a | n/a | n/a | n/a | n/a | \$ 50.00 | \$ 70.00 | \$ 70.00 | \$ 75.00 | \$ 75.00 | n/a | \$ 50.00 | \$ 52.00 | |
| 12/13/2013 | \$ 45.00 | n/a | n/a | \$ 38.00 | n/a | \$ 50.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 40.00 | \$ 40.00 |
| 12/14/2013 | \$ 38.00 | \$ 38.00 | \$ 43.00 | \$ 40.00 | \$ 40.00 | \$ 40.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 38.00 | \$ 38.00 |
| 12/15/2013 | \$ 36.00 | \$ 38.00 | n/a | n/a | \$ 36.00 | \$ 36.00 | \$ 38.84 | \$ 38.00 | \$ 40.00 | \$ 39.60 | \$ 40.00 | \$ 42.94 | \$ 40.00 | \$ 40.00 | \$ 40.00 | \$ 44.50 | \$ 47.24 | \$ 47.20 | \$ 47.15 | \$ 43.44 | \$ 41.44 | \$ 40.00 | \$ 38.00 | n/a |
| 12/16/2013 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 36.72 | \$ 41.00 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$ 37.00 | \$ 37.00 | \$ 37.00 | n/a | n/a | n/a | \$ 40.00 | \$ 38.00 | n/a |
| 12/17/2013 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 32.00 | \$ 50.50 | \$ 55.00 | n/a | \$ 47.00 | \$ 45.00 | n/a | n/a | n/a | n/a | \$ 45.00 | \$ 48.00 | \$ 48.00 | \$ 48.00 | \$ 48.00 | n/a | n/a | \$ 40.00 | \$ 43.00 |
| 12/18/2013 | \$ 35.66 | \$ 35.49 | \$ 34.62 | \$ 33.48 | \$ 33.85 | \$ 35.00 | \$ 35.65 | \$ 41.33 | \$ 38.00 | n/a | \$ 43.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 40.67 | \$ 46.00 | \$ 52.32 | \$ 51.94 | \$ 53.92 | \$ 53.92 | \$ 54.38 | \$ 48.00 | \$ 46.00 | \$ 46.00 |
| 12/19/2013 | \$ 36.00 | \$ 36.59 | \$ 36.45 | \$ 36.39 | \$ 36.99 | \$ 41.44 | \$ 60.30 | \$ 60.52 | \$ 61.15 | \$ 61.63 | \$ 61.63 | \$ 61.63 | \$ 53.95 | \$ 51.09 | \$ 53.11 | \$ 55.81 | \$ 67.31 | \$ 62.93 | \$ 62.61 | \$ 60.06 | \$ 59.62 | \$ 55.21 | \$ 47.78 | \$ 42.00 |
| 12/20/2013 | \$ 37.16 | \$ 36.89 | \$ 35.94 | \$ 35.94 | \$ 39.95 | \$ 42.12 | \$ 42.00 | \$ 42.00 | \$ 44.00 | \$ 44.00 | \$ 42.00 | \$ 41.00 | \$ 41.00 | \$ 41.00 | \$ 44.00 | \$ 44.96 | \$ 46.17 | \$ 47.17 | \$ 45.12 | \$ 46.00 | \$ 32.00 | \$ 33.13 | \$ 35.98 | \$ 32.97 |
| 12/21/2013 | \$ 31.99 | \$ 31.38 | \$ 31.06 | \$ 30.44 | \$ 30.94 | \$ 35.00 | \$ 41.38 | \$ 42.16 | \$ 40.54 | \$ 40.54 | \$ 40.93 | \$ 42.63 | \$ 42.63 | \$ 42.63 | \$ 42.63 | \$ 42.63 | \$ 45.39 | \$ 48.83 | \$ 48.66 | \$ 44.54 | \$ 44.71 | \$ 43.90 | \$ 36.00 | \$ 34.08 |
| 12/22/2013 | \$ 32.00 | \$ 32.48 | \$ 32.00 | \$ 32.61 | \$ 32.83 | \$ 35.00 | \$ 41.56 | \$ 40.00 | \$ 40.00 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 28.00 | \$ 28.00 | \$ 28.00 | \$ 39.23 | \$ 37.65 | \$ 35.20 | \$ 33.40 | \$ 31.44 | \$ 30.63 |
| 12/23/2013 | \$ 2 | | | | | | | | | | | | | | | | | | | | | | | |

MEIC-19 Average Price

| Row Labels | Avg1 | Avg2 | Avg3 | Avg4 | Avg5 | Avg6 | Avg7 | Avg8 | Avg9 | Avg10 | Avg11 | Avg12 | Avg13 | Avg14 | Avg15 | Avg16 | Avg17 | Avg18 | Avg19 | Avg20 | Avg21 | Avg22 | Avg23 | Avg24 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1/9/2014 | \$ 31.60 | \$ 31.00 | \$ 31.00 | \$ 31.00 | \$ 31.00 | \$ 37.37 | \$ 32.80 | \$ 35.14 | \$ 35.00 | \$ 35.00 | \$ 35.75 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 36.00 | \$ 39.00 | \$ 43.00 | \$ 43.00 | n/a | n/a | \$ 30.00 | \$ 33.00 |
| 1/10/2014 | \$ 25.00 | n/a | n/a | n/a | \$ 30.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 37.00 | \$ 37.00 | \$ 37.00 | \$ 37.00 | n/a | n/a | \$ 36.00 | \$ 32.00 | \$ 36.47 | \$ 37.14 | \$ 41.18 | \$ 38.00 | n/a | n/a | \$ 33.00 | \$ 30.00 |
| 1/11/2014 | n/a | n/a | n/a | n/a | \$ 30.00 | \$ 30.00 | n/a | n/a | \$ 25.00 | n/a | \$ 25.98 | \$ 25.00 | n/a | n/a | n/a | \$ 32.00 | \$ 30.00 | \$ 32.00 | \$ 32.00 | n/a | n/a | n/a | \$ 29.00 | \$ 29.00 |
| 1/12/2014 | n/a | n/a | n/a | n/a | n/a | \$ 30.00 | \$ 37.50 | \$ 35.36 | \$ 33.96 | \$ 33.95 | \$ 35.21 | \$ 35.53 | \$ 35.04 | \$ 35.31 | \$ 35.11 | \$ 35.95 | \$ 35.65 | \$ 37.06 | \$ 36.03 | \$ 36.10 | \$ 36.00 | \$ 35.36 | \$ 30.00 | \$ 30.00 |
| 1/13/2014 | n/a | n/a | n/a | n/a | \$ 29.70 | \$ 31.62 | \$ 35.47 | \$ 35.00 | \$ 33.80 | \$ 33.00 | \$ 34.88 | \$ 33.44 | \$ 33.44 | \$ 33.00 | \$ 35.00 | \$ 34.69 | \$ 35.57 | \$ 35.62 | \$ 35.38 | \$ 35.74 | \$ 35.00 | n/a | \$ 34.08 | \$ 33.00 |
| 1/14/2014 | \$ 30.00 | \$ 28.00 | \$ 28.00 | \$ 30.00 | \$ 31.87 | \$ 36.13 | \$ 40.22 | \$ 41.00 | \$ 38.00 | \$ 38.00 | \$ 36.00 | \$ 36.00 | \$ 33.00 | \$ 30.00 | n/a | \$ 35.00 | \$ 38.00 | \$ 38.51 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 33.00 | \$ 33.00 |
| 1/15/2014 | n/a | n/a | n/a | n/a | \$ 29.50 | \$ 35.00 | \$ 34.00 | \$ 34.44 | \$ 34.00 | \$ 37.00 | n/a | n/a | n/a | n/a | \$ 34.00 | \$ 34.00 | \$ 34.00 | \$ 34.00 | \$ 38.00 | \$ 41.71 | \$ 38.00 | \$ 35.00 | \$ 35.00 | \$ 33.00 |
| 1/16/2014 | \$ 33.00 | \$ 36.00 | \$ 36.00 | \$ 37.67 | \$ 36.41 | \$ 37.78 | \$ 39.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 38.75 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 39.00 | \$ 41.33 | \$ 44.70 | \$ 45.59 | \$ 43.41 | \$ 41.54 | \$ 38.00 | \$ 38.00 | \$ 37.70 | \$ 37.00 |
| 1/17/2014 | \$ 36.00 | n/a | \$ 35.00 | \$ 37.00 | \$ 36.68 | \$ 40.00 | \$ 40.00 | \$ 45.00 | \$ 45.00 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 45.00 | \$ 47.50 | \$ 48.00 | \$ 50.00 | \$ 50.00 | \$ 42.00 | \$ 40.00 | \$ 38.00 | \$ 37.43 |
| 1/18/2014 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 38.00 | \$ 35.00 | \$ 35.00 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 38.00 | \$ 38.00 | \$ 38.00 | \$ 38.00 | n/a | n/a | \$ 35.00 | \$ 35.00 |
| 1/19/2014 | n/a | n/a | n/a | n/a | n/a | \$ 45.00 | \$ 41.20 | \$ 41.47 | \$ 42.08 | \$ 42.34 | \$ 42.58 | \$ 42.22 | \$ 42.86 | \$ 42.69 | \$ 42.73 | \$ 43.65 | \$ 44.22 | \$ 45.48 | \$ 44.41 | \$ 44.25 | \$ 44.25 | \$ 41.25 | \$ 40.00 | \$ 37.00 |
| 1/20/2014 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 35.00 | \$ 36.02 | \$ 38.92 | \$ 43.21 | \$ 45.31 | \$ 38.83 | \$ 39.77 | \$ 39.76 | \$ 38.41 | \$ 38.25 | \$ 38.25 | \$ 38.25 | \$ 38.25 | \$ 38.25 | \$ 39.80 | \$ 38.25 | \$ 38.25 | \$ 38.25 | \$ 38.25 | \$ 40.00 | \$ 37.00 |
| 1/21/2014 | n/a | n/a | n/a | \$ 35.00 | \$ 41.65 | \$ 41.65 | \$ 39.50 | \$ 39.50 | \$ 39.50 | \$ 39.50 | \$ 40.21 | \$ 39.50 | \$ 41.71 | \$ 39.50 | \$ 39.50 | \$ 39.50 | \$ 44.85 | \$ 46.65 | \$ 45.60 | \$ 44.47 | \$ 39.50 | \$ 39.50 | \$ 41.00 | \$ 40.00 |
| 1/22/2014 | \$ 36.33 | \$ 35.92 | \$ 36.14 | \$ 36.65 | \$ 42.95 | \$ 48.51 | \$ 46.16 | \$ 45.72 | \$ 44.34 | \$ 43.67 | \$ 42.81 | \$ 42.57 | \$ 42.62 | \$ 42.59 | \$ 42.23 | \$ 41.75 | \$ 46.11 | \$ 49.11 | \$ 46.96 | \$ 46.49 | \$ 43.70 | \$ 43.64 | \$ 46.93 | \$ 44.14 |
| 1/23/2014 | \$ 40.21 | \$ 40.24 | \$ 40.29 | \$ 40.00 | \$ 49.27 | \$ 50.49 | \$ 52.50 | \$ 52.00 | \$ 45.00 | n/a | \$ 42.00 | n/a | \$ 49.00 | \$ 35.00 | n/a | \$ 40.10 | n/a | n/a |

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

Montana Environmental Information Center/Sierra Club
Set 2 (012-032)

Data Requests received October 6, 2014

MEIC-20 Subject: Benefit of Colstrip 4 Outage
 Witness: Kevin Markovich

Please refer to the direct testimony of Kevin J. Markovich, page 10, lines 15-17. Please identify each of the hours between July 1, 2013 and January 23, 2014 during which “customers benefitted from not having the Colstrip generation as NorthWestern did not have to sell excess supply off system.” Please produce all supporting documents and/or analyses.

- a. Please provide NorthWestern’s annual off-system sales for each of the last 5 years in terms of MWh sales and dollars of revenue.
- b. Please provide NorthWestern’s annual off-system sales attributable solely to off-system sales from Colstrip Unit 4 for each of the last 5 years in terms of MWh sales volume and dollars of revenue.

RESPONSE:

Refer to the response to Data Request MEIC-19. Those hours that are not highlighted represent times when Basin Creek generation and on system market purchases were less than 111 MW.

- a. Below are the annual sales that occurred either at a point of interconnection with NorthWestern’s Balancing Authority (BA) or outside of NorthWestern’s BA, using energy that was either generated or procured in the NorthWestern BA for the time periods covered in this docket.

| Year | MWh | Sales |
|------|-----------|-------------|
| 2012 | (78,334) | \$1,614,263 |
| 2013 | (107,410) | \$2,605,554 |
| 2014 | (47,989) | \$1,478,832 |

- b. NorthWestern does not “paint” MWs from individual resources and thus cannot determine what proportion of the values shown in (a) is attributable to Colstrip 4 outage.

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MEIC-21 Subject: Generation During Colstrip 4 Outage
 Witness: Kevin Markovich

Did NorthWestern increase generation at any unit(s) it owns, wholly or partially, to make up for the Colstrip Unit 4 generation lost from July 1, 2013 through January 23, 2014?

- a. If yes, please specify the unit, and the amount, by day, by which generation increased due to the Colstrip 4 outage.

RESPONSE:

NorthWestern did not increase generation from any unit(s) it owns to make up for the Colstrip Unit 4 generation lost from July 1, 2013 through January 23, 2014.

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MEIC-22 Subject: Insurance Claim for Colstrip 4 Outage
 Witness: Mike Barnes

Has NorthWestern submitted a property insurance claim regarding any damaged property and/or equipment that led to the July 1, 2013 event that tripped Colstrip Unit 4 off-line?

a. If yes, please produce all communications between NorthWestern and its insurer regarding this claim.

RESPONSE:

No, the Operator is required to carry property insurance on behalf of the Owners and, as such, the Operator submitted an insurance claim.

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MEIC-23 Subject: Incremental Cost of Colstrip 4 Outage
 Witness: Kevin Markovich

Please refer to the dissenting opinion on June 18, 2014 in Docket No. D.2013.5.33 and D.2014.5.46 of Commissioner Travis Kavulla, page 3, stating that \$11,135,466 represents the “Commission staff’s best guess, given the information available at present, of the incremental costs of the outage, beyond the ordinary fixed and variable costs of CU4 that could have been expected were the plant operational.” Please state whether NorthWestern agrees with the statement quoted above.

RESPONSE:

See the response to Data Request MEIC-10.

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MEIC-24 Subject: Costs at Colstrip

For each month during the last five years, please provide the following data for Colstrip Units 1, 2, and 3:

- a. Variable costs;
- b. Fixed costs;
- c. Fuel costs;
- d. Capacity factor; and
- e. MWh output.

RESPONSE:

NorthWestern objects to MEIC-24 because it is not relevant and not reasonably calculated to lead to admissible evidence. Pursuant to Rule 26(b)(1) of the Montana Rules of Civil Procedure (“M. R. Civ. P.”), a party may only obtain discovery “relevant to any party’s claim or defense” and that “appears reasonably calculated to lead to the discovery of admissible evidence.” The Commission adopted M. R. Civ. P. 26 in its administrative rules. *See* ARM 38.2.3301. Discovery is irrelevant if it has “no bearing on [the] legitimate issues” in the docket. *Henricksen v. State*, 2004 MT 20, ¶ 44, 319 Mont. 307, 84 P.3d 38. In *Henricksen*, the Supreme Court affirmed the district court’s decision to deny the State’s discovery requests for the other party’s financial documents, school transcripts or personnel records since the issue to be decided by the court involved the party’s mental and emotional states and not a claim for lost earnings or lost earning capacity. *Id.*

Before the Commission in this docket is NorthWestern’s electricity supply tracker. As required by law, the Commission established an “electricity cost recovery mechanism” that permits NorthWestern “to fully recover prudently incurred electricity supply costs.” *See* Mont. Code Ann. § 69-8-210(1). In this matter, NorthWestern filed applications requesting permission to track certain electricity supply costs incurred during two tracker years.¹ Specifically, these are electricity supply costs incurred from July 1, 2012 to June 30, 2014. In Order No. 6925f in Docket No. D2008.6.69 (“Order”), the Commission granted NorthWestern the right to include its interest in Colstrip Unit No. 4 (“CU4”) in rate base as an electricity supply resource. Additionally, in that Order, ¶¶ 260-61, the Commission permitted NorthWestern to track costs from CU4 incurred in a tracker year. NorthWestern’s applications in this docket include requests to track the following variable costs related to CU4: fuel costs, property taxes, demand-side

¹ The Commission consolidated NorthWestern’s 2013 Electricity Supply Tracker docket with its 2014 Electricity Supply Tracker docket. *See* Notice of Commission Action issued May 12, 2014.

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management lost revenues, and carrying costs. This docket also includes a request to recover certain replacement power costs resulting from an outage at CU4 that occurred in the second half of 2013.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request (1) seeks information about assets that NorthWestern does not own nor have an interest in,² (2) is unrelated to the issues contained in NorthWestern's applications, and (3) seeks information about years beyond the tracker years involved in this docket. The data request asks for information about Units 1, 2 and 3 at Colstrip for the last five years. As discussed earlier, NorthWestern only has an interest in CU4. The variable, fixed and fuel costs and the capacity factor and megawatt per hour output from Colstrip Units 1, 2 and 3 will not lead to the discovery of admissible evidence about CU4. Additionally, this information is unrelated to the issue of whether NorthWestern should be permitted to recover in rates specific costs it incurred relating to CU4. Furthermore, the data request seeks information for a five-year period. This docket only involves two tracker years as discussed above. Information beyond the two tracker years falls outside the issues in this docket. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club ("MEIC/SC") are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern's objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 ("Notice"). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to "[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*") (emphasis added). The Commission reminded the parties of this fact in the Notice: "general intervention is limited to the scope of the original proceeding by definition." *See* Notice, p. 3.

² NorthWestern's ownership interest in CU4 entitles it to 222 megawatts of generation. Pursuant to a reciprocal sharing agreement, NorthWestern receives 111 MW from CU4 and 111 MW from Colstrip Unit 3. However, NorthWestern does not own any interest in Colstrip Unit 3.

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The MEIC/SC sought general intervenor status in this docket “to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4.” MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of “whether NorthWestern Energy’s costs due to the Colstrip Unit 4 outage were ‘prudently incurred.’” *Id.*, p. 5. Since this data request seeks information about Colstrip Units 1, 2 and 3, which will not lead to discovery of admissible evidence about the outage at CU4 or the other variable costs involved in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern’s objection to MEIC-024.

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MEIC-25 Subject: Costs at Colstrip 4

For the last five years, please provide the following data for Colstrip Unit 4:

- a. Variable costs;
- b. Fixed costs;
- c. Fuel costs;
- d. Capacity factor; and
- e. MWh output.

RESPONSE:

NorthWestern objects to MEIC-25 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request (1) is unrelated to the issues contained in NorthWestern's applications, and (2) seeks information about years beyond the tracker years involved in this docket. The data request asks for information about CU4's fixed costs, capacity factor and megawatt per hour output. This information will not lead to the discovery of admissible evidence regarding whether NorthWestern should be permitted to recover in rates specific variable and replacement power costs it incurred relating to CU4. This information may be relevant in a general rate case, not in an electricity supply tracker which only tracks certain electricity supply costs. Section 69-8-103, MCA, defines "electricity supply costs" to mean "the actual costs incurred in providing electricity supply service through power purchase agreements, demand-side management, and energy efficiency programs, including but not limited to (a) capacity costs; (b) energy costs; (c) fuel costs; (d) ancillary service costs; (e) transmission costs, including congestion and losses; (f) planning and administrative costs; and (g) any other costs directly related to the purchase of electricity and the management and provision of power purchase agreements." Therefore, the information requested is not relevant as it will not lead to admissible evidence about those costs enumerated in the statute above. Additionally, the data request asks for specific information from the last five years. This docket involves two tracker years as discussed above. Here, the Commission must determine if the variable costs, including fuel costs, incurred in those two years should be recovered in rates. Information beyond these two tracker years is outside the issues in this docket and therefore is irrelevant and will not lead to discovery of admissible evidence.

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This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club (“MEIC/SC”) are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern’s objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 (“Notice”). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to “[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*”) (emphasis added). The Commission reminded the parties of this fact in the Notice: “general intervention is limited to the scope of the original proceeding by definition.” *See* Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket “to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4.” MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of “whether NorthWestern Energy’s costs due to the Colstrip Unit 4 outage were ‘prudently incurred.’” *Id.*, p. 5. Since this data request seeks information about certain costs at CU4 that are not involved in a tracker docket and information beyond the two years involved in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern’s objection to MEIC-25.

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MEIC-26 Subject: Outages at Colstrip

Please provide the following data for each planned or unplanned outage of a unit at Colstrip that occurred after the date on which NorthWestern acquired Colstrip:

- a. The unit(s) at which the outage occurred;
- b. Whether the outage was planned or unplanned;
- c. The duration, in days, of the outage; and
- d. The cost of the outage.

RESPONSE:

NorthWestern objects to MEIC-26 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request (1) seeks information about assets that NorthWestern does not own nor have an interest in,³ (2) is unrelated to the issues contained in NorthWestern's applications, and (3) seeks information going back to 2002. The data request asks for information about outages at Colstrip Units 1, 2 and 3 since NorthWestern acquired its interest in CU4. As discussed earlier, NorthWestern only has an interest in CU4. Outages at the other Colstrip units will not lead to the discovery of admissible evidence concerning whether NorthWestern prudently incurred replacement power costs relating to the outage at CU4 in the second half of 2013. Each unit at Colstrip is its own facility. An outage at one unit will not provide any useful information about an outage at any of the other units. Furthermore, the data request seeks information on outages since 2002, which is the date NorthWestern acquired an interest in CU4. This docket involves two tracker years as discussed above. Information beyond these two tracker years falls outside the issues in this docket. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club ("MEIC/SC") are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern's objection, the Commission granted

³ See footnote 2 contained in the response to Data Request MEIC-24.

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general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 (“Notice”). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to “[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*”) (emphasis added). The Commission reminded the parties of this fact in the Notice: “general intervention is limited to the scope of the original proceeding by definition.” *See* Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket “to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4.” MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of “whether NorthWestern Energy’s costs due to the Colstrip Unit 4 outage were ‘prudently incurred.’” *Id.*, p. 5. Since this data request seeks information about outages at Colstrip Units 1, 2 and 3, which will not lead to the discovery of admissible evidence about the outage at CU4 or the other variable costs involved in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern’s objection to MEIC-26.

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MEIC-27 Subject: Outages at NorthWestern Plants

Please provide the following data for each planned or unplanned outage of a coal-fired unit wholly or partially owned by NorthWestern, if such outage occurred after the date on which NorthWestern acquired Colstrip:

- a. The unit(s) at which the outage occurred;
- b. Whether the outage was planned or unplanned;
- c. The duration, in days, of the outage; and
- d. The cost of the outage.

RESPONSE:

NorthWestern objects to MEIC-27 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request (1) seeks information about assets that NorthWestern owns in other jurisdictions not regulated by the Commission, (2) is unrelated to the issues contained in NorthWestern's applications, and (3) seeks information going back to 2002. The data request asks for information about outages at other coal-fired facilities that NorthWestern owns. Besides CU4, NorthWestern does not own any other coal-fired facilities in Montana. NorthWestern does own parts of coal-fired facilities in South Dakota, North Dakota, and Iowa. These facilities are not subject to this Commission's jurisdiction as they do not serve retail load in Montana. Outages at these other coal-fired facilities in jurisdictions outside of the Commission's jurisdiction will not lead to the discovery of admissible evidence about the CU4 outage that occurred during the second half of 2013 and whether NorthWestern prudently incurred replacement power costs relating to that outage. Furthermore, the data request seeks information regarding outages at those facilities since 2002, which is the date NorthWestern acquired an interest in CU4. This docket involves two tracker years as discussed above. Information beyond these two tracker years falls outside the issues in this docket. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club ("MEIC/SC") are attempting to expand the issues in the docket, which they are not permitted to

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do given their intervenor status. Over NorthWestern's objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 ("Notice"). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to "[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*") (emphasis added). The Commission reminded the parties of this fact in the Notice: "general intervention is limited to the scope of the original proceeding by definition." *See* Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket "to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4." MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of "whether NorthWestern Energy's costs due to the Colstrip Unit 4 outage were 'prudently incurred.'" *Id.*, p. 5. Since this data request seeks information about outages at coal-fired facilities besides CU4, which will not lead to the discovery of admissible evidence regarding the outage at CU4 or the other variable costs involved in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern's objection to MEIC-27.

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MEIC-28 Subject: Forced Outage Rate at NorthWestern Plants

For each coal-fired unit that NorthWestern wholly or partially owns, please provide the forced outage rate from 2004-2014.

RESPONSE:

NorthWestern objects to MEIC-28 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request (1) seeks information about assets that NorthWestern owns in other jurisdictions not regulated by the Commission, (2) is unrelated to the issues contained in NorthWestern's applications, and (3) seeks information going back to 2004. The data request asks for information about forced outages at other coal-fired facilities that NorthWestern owns. Besides CU4, NorthWestern does not own any other coal-fired facilities in Montana. NorthWestern does own parts of coal-fired facilities in South Dakota, North Dakota, and Iowa. These facilities are not subject to this Commission's jurisdiction as they do not serve retail load in Montana. Forced outages at these other coal-fired facilities in jurisdictions outside of the Commission's jurisdiction will not lead to the discovery of admissible evidence about the CU4 outage that occurred during the second half of 2013 and whether NorthWestern prudently incurred replacement power costs relating to that outage. Furthermore, the data request seeks information about forced outages at these facilities since 2004. This docket involves two tracker years as discussed above. Information beyond the two tracker years falls outside the issues in this docket. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club ("MEIC/SC") are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern's objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 ("Notice"). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to "[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the*

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issues of the original proceeding.") (emphasis added). The Commission reminded the parties of this fact in the Notice: "general intervention is limited to the scope of the original proceeding by definition." See Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket "to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4." MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of "whether NorthWestern Energy's costs due to the Colstrip Unit 4 outage were 'prudently incurred.'" *Id.*, p. 5. Since this data request seeks information about forced outages at coal-fired facilities besides CU4, which will not lead to discovery of admissible evidence concerning the outage at CU4, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern's objection to MEIC-28.

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MEIC-29 Subject: Engineering Assessments of Colstrip 4
 Witness: Mike Barnes

Has NorthWestern prepared, or caused to be prepared or have in its possession, any engineering material condition assessment or evaluation of Colstrip Unit 4 prepared since January 1, 2010? If so, please provide the most recent such study.

RESPONSE:

To my knowledge, there are none.

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MEIC-30 Subject: Engineering Assessments of Colstrip 4

Has NorthWestern prepared, or caused to be prepared or have in its possession, any engineering assessment of the long-term prospects of operating Colstrip Unit 4 reliably? If so, please produced the most recent such engineering study.

RESPONSE:

NorthWestern objects to MEIC-30 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request seeks information about the long-term prospects of operating CU4 reliably. The issues in an electricity supply tracker docket involve requests to recover electricity supply costs that have been incurred. Section 69-8-103, MCA, defines “electricity supply costs” to mean “the actual costs incurred in providing electricity supply service through power purchase agreements, demand-side management, and energy efficiency programs, including but not limited to (a) capacity costs; (b) energy costs; (c) fuel costs; (d) ancillary service costs; (e) transmission costs, including congestion and losses; (f) planning and administrative costs; and (g) any other costs directly related to the purchase of electricity and the management and provision of power purchase agreements.” The operation of CU4 in the future does not concern the costs that were already incurred or whether the replacement power costs that were incurred due to the outage were prudently incurred. Electricity supply tracker dockets look into the past, not the future, and therefore answers to this data request will not lead to the discovery of admissible evidence about the issues in this docket. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club (“MEIC/SC”) are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern’s objection, the Commission granted general intervenor status to the MEIC/SC in this docket. See Notice of Commission Action issued August 20, 2014 (“Notice”). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to “[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the*

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issues of the original proceeding.") (emphasis added). The Commission reminded the parties of this fact in the Notice: "general intervention is limited to the scope of the original proceeding by definition." See Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket "to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4." MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of "whether NorthWestern Energy's costs due to the Colstrip Unit 4 outage were 'prudently incurred.'" *Id.*, p. 5. Since this data request seeks information regarding the operation of CU4 in the future and does not seek information related to the outage at CU4 or the other issues in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern's objection to MEIC-30.

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MEIC-31 Subject: Useful Life of Colstrip 4

For planning purposes, what does NorthWestern assume is the useful life of Colstrip Unit 4?

a. When does NorthWestern assume that Colstrip Unit 4 will be fully depreciated?

RESPONSE:

NorthWestern objects to MEIC-31 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request seeks information regarding the useful life of CU4. The issues in an electricity supply tracker docket involve requests to recover electricity supply costs that have been incurred during a specific tracker period. Section 69-8-103, MCA, defines “electricity supply costs” to mean “the actual costs incurred in providing electricity supply service through power purchase agreements, demand-side management, and energy efficiency programs, including but not limited to (a) capacity costs; (b) energy costs; (c) fuel costs; (d) ancillary service costs; (e) transmission costs, including congestion and losses; (f) planning and administrative costs; and (g) any other costs directly related to the purchase of electricity and the management and provision of power purchase agreements.” Therefore, these dockets do not involve adjustments to NorthWestern’s fixed revenue requirement, which is not part of the cost associated with any of the above items noted in the statute. The information sought in this data request would be more appropriately addressed in either a general rate case where NorthWestern’s fixed revenue requirement is at issue or NorthWestern’s Electricity Supply Resource Procurement Plan. Therefore, in this case, knowing the useful life of CU4 will not lead to the discovery of admissible evidence about the CU4 outage that occurred during the second half of 2013 and whether NorthWestern prudently incurred replacement power costs relating to that outage or certain variable costs incurred during the two tracker years. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club (“MEIC/SC”) are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern’s objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action

NorthWestern Energy
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MEIC-31 cont'd

issued August 20, 2014 (“Notice”). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to “[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*”) (emphasis added). The Commission reminded the parties of this fact in the Notice: “general intervention is limited to the scope of the original proceeding by definition.” *See* Notice, p. 3.

The MEIC/SC sought general intervenor status in this docket “to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4.” MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of “whether NorthWestern Energy’s costs due to the Colstrip Unit 4 outage were ‘prudently incurred.’” *Id.*, p. 5. Since this data request seeks information regarding the useful life of CU4, which will not lead to the discovery of admissible evidence regarding the outage at CU4 or the other variable costs at issue in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission reminded the parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern’s objection to MEIC-31.

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MEIC-32 Subject: Economic Analyses of Colstrip 4

Has NorthWestern prepared, or caused to be prepared or have in its possession, any studies, analyses or assessments prepared since January 1, 2010 of the economics of continuing to operate Colstrip Unit 4 versus replacing the Unit or converting it to burn natural gas? If so, please produce the most recent such study.

RESPONSE:

NorthWestern objects to MEIC-32 because it is not relevant and not reasonably calculated to lead to admissible evidence. Please see the first two paragraphs of the response to MEIC-24 for the applicable legal standard for this objection.

This data request seeks information that is not relevant or reasonably calculated to lead to discovery of admissible evidence because the request seeks information about whether it is economical to continue to operate CU4 versus replacing it with a natural gas burning facility. The issues in an electricity supply tracker docket involve requests to recover electricity supply costs that have been incurred during a tracker period. Hypothetical situations like the one described in this data request will not lead to the discovery of admissible evidence about the CU4 outage that occurred during the second half of 2013 and whether NorthWestern prudently incurred replacement power costs relating to that outage. The type of information that is requested in this data request would probably be more appropriately handled in other dockets, such as the one involving NorthWestern's Electricity Supply Resource Procurement Plan. The information sought in this data request unequivocally has nothing to do with, nor does it have any legitimate bearing on, the outage at CU4 or the other issues in this docket. As such, it will not lead to admissible evidence and therefore is not relevant.

This data request seeks information that is beyond the scope of this docket. With this data request, it would appear that the Montana Environmental Information Center and the Sierra Club ("MEIC/SC") are attempting to expand the issues in the docket, which they are not permitted to do given their intervenor status. Over NorthWestern's objection, the Commission granted general intervenor status to the MEIC/SC in this docket. *See* Notice of Commission Action issued August 20, 2014 ("Notice"). As a general intervenor, MEIC/SC is not permitted to expand or broaden the issues in the docket. ARM 38.2.2403 (general intervention is limited to "[a]ny person, other than the original parties to the proceeding, who shall desire to appear and participate in any proceeding before the commission, and who does not desire to *broaden the issues of the original proceeding.*") (emphasis added). The Commission reminded the parties of this fact in the Notice: "general intervention is limited to the scope of the original proceeding by definition." *See* Notice, p. 3.

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MEIC-32 cont'd

The MEIC/SC sought general intervenor status in this docket “to demonstrate that NorthWestern Energy has not established that it prudently incurred the costs associated with Colstrip Unit 4.” MEIC/SC Petition for General Intervention, p. 3. In their Petition, they unambiguously assert that they would limit their testimony to the issue of “whether NorthWestern Energy’s costs due to the Colstrip Unit 4 outage were ‘prudently incurred.’” *Id.*, p. 5. Since this data request seeks information on whether it is economical to continue to operate CU4, which will not lead to the discovery of admissible evidence regarding the outage at CU4 or the other issues involved in this docket, the MEIC/SC are attempting to do exactly what NorthWestern provided that they would do, and what the Commission the reminded parties is impermissible to do, in this case: broaden the issues. The Commission should not permit the MEIC/SC to broaden the issues in this docket with this data request. Therefore, based on the foregoing, the Commission should sustain NorthWestern’s objection to MEIC-32.