



June 13, 2014

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

RE: Docket No. D2013.12.85
PPLM Hydro Assets Purchase
PSC Set 10 Data Requests (131-195)
THIRD UPDATED RESPONSE TO PSC-156a

Dear Ms. Whitney:

Enclosed for filing is a copy of NorthWestern Energy's 3rd updated response to PSC-156a Data Request. A hard copy will be mailed to the most recent service list in this Docket this date. This updated Data Request response will also be e-filed on the PSC website and emailed to counsel of record.

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

Sincerely,

Nedra Chase
Administrative Assistant
Regulatory Affairs

NC/nc
CC: Service List

CERTIFICATE OF SERVICE

I hereby certify that a copy of NorthWestern Energy's 3rd updated response to PSC-156a in PSC Set 10 Data Requests (131-195), Docket D2013.12.85, the PPLM Hydro Assets Purchase has been hand delivered to PSC and MCC this date. This 3rd updated Data Request response will be e-filed on the PSC website and served on the most recent service list by mailing a copy thereof by first class mail, postage prepaid and will also be emailed to counsel of record.

Date: June 13th, 2014



Nedra Chase
Administrative Assistant
Regulatory Affairs

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

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

Data Requests served February 21, 2014

PSC-156

Regarding: 2013 Plan, Updated Forward Price Information
Witness: Stimatz

- a. Provide the same forward price information provided in response to data request PSC-011b, Attachment 2, updated to reflect market expectations on or about February 7, 2014. Provide additional updates on or about the same day in each subsequent month until the hearing in this proceeding.
- b. Confirm that the forward natural gas price curves referred to on p. 5-2 in Volume 1 are the same as those used in Exhibit_(JMS-2) to estimate Mid-C market prices? If different forward natural gas prices are used in the resource procurement plan, please provide supporting documentation for those forward prices, including the date on which the forward prices were assembled and the source(s) of the forward prices.
- c. Provide a MS Excel version of the AECO Forecast Changes table on p. 193 of 408, in Volume 2, Chapter 1, of the 2013 Plan. If NorthWestern has data for time periods after May 28, 2013, provide that data.

RESPONSE:

- a. Please see Attachment, the forward price information updated to reflect market expectations on or about February 7, 2014 as requested. See also Attachment - First Update, which provides the requested forward price information updated to reflect market expectations as of March 5, 2014. Please note that NorthWestern is relying on the “fair use” exemption of federal copyright law to supply these attachments for purposes of this docket only. No copies should be made, nor should the parties receiving this copyrighted information use it for any purposes other than for this docket. These documents have not been e-filed on the Commission website. NorthWestern will continue to update this Attachment on or about the 7th of each month until the hearing in this proceeding as requested.

The forecasts are different due to the PowerSimm modeling feature that maintains structural relationships between related variables such as electricity and natural gas prices. This relationship is known as the implied market heat rate and must be kept within a reasonable range for planning work so that modeled generating resources are dispatched realistically and can, therefore, be properly evaluated. Although the mean natural gas price forecast referred to on page 5-2 in Volume 1 is structurally related to the

NorthWestern Energy
Docket D2013.12.85
PPLM Hydro Assets Purchase

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

Data Requests served February 21, 2014

PSC-156 cont'd

electricity price forecast, which is based on the June 7, 2013 forward price curve, it is actually derived as a function of this model attribute.

- b. Please see the Excel file titled PSC-156(b)_PowerSimm Mean Monthly Nat Gas Price Forecast_Vol 2 Ch 3.xlsx in the "PSC-156" folder on the CD attached to PSC-147.
- c. Please see the Excel file titled PSC-156(c)_Term Trading Price Meeting AECO Forwards.xlsx in the "PSC-156c" folder on the attached copyright protected CD. NorthWestern is relying on the "fair use" exemption of federal copyright law to provide this information for purposes of this docket only. No copies should be made, nor should the parties receiving this information use the copyrighted material for any purposes other than for this docket.

UPDATED RESPONSE (April 8, 2014):

- a. Please see Attachment - Second Update, which provides the requested forward price information updated to reflect market expectations as of April 7, 2014. Please note that NorthWestern is relying on the "fair use" exemption of federal copyright law to supply this attachment for purposes of this docket only. No copies should be made, nor should the parties receiving this copyrighted information use it for any purposes other than for this docket. This document has not been e-filed on the Commission website. NorthWestern will continue to update this Attachment on or about the 7th of each month until the hearing in this proceeding as requested.

SECOND UPDATED RESPONSE (May 9, 2014):

- a. Please see Attachment - Third Update, which provides the requested forward price information updated to reflect market expectations as of May 7, 2014. Please note that NorthWestern is relying on the "fair use" exemption of federal copyright law to supply this attachment for purposes of this docket only. No copies should be made, nor should the parties receiving this copyrighted information use it for any purposes other than for this docket. This document has not been e-filed on the Commission website. NorthWestern will continue to update this Attachment on or about the 7th of each month until the hearing in this proceeding as requested.

NorthWestern Energy
Docket D2013.12.85
PPLM Hydro Assets Purchase

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

Data Requests served February 21, 2014

PSC-156 cont'd

THIRD UPDATED RESPONSE (June 13, 2014):

- a. Please see Attachment - Fourth Update, which provides the requested forward price information updated to reflect market expectations as of June 6, 2014. Please note that NorthWestern is relying on the “fair use” exemption of federal copyright law to supply this attachment for purposes of this docket only. No copies should be made, nor should the parties receiving this copyrighted information use it for any purposes other than for this docket. This document has not been e-filed on the Commission website. NorthWestern will continue to update this Attachment on or about the 7th of each month until the hearing in this proceeding as requested.

AECO Forward Prices
June 6, 2014

<u>CurveName</u>	<u>Month</u>	<u>Price</u>
NGX AECO	201407	4.4350
NGX AECO	201408	4.4150
NGX AECO	201409	4.3950
NGX AECO	201410	4.4500
NGX AECO	201411	4.5200
NGX AECO	201412	4.5925
NGX AECO	201501	4.6275
NGX AECO	201502	4.5975
NGX AECO	201503	4.5350
NGX AECO	201504	3.8350
NGX AECO	201505	3.7575
NGX AECO	201506	3.7350
NGX AECO	201507	3.7425
NGX AECO	201508	3.7300
NGX AECO	201509	3.7200
NGX AECO	201510	3.8125
NGX AECO	201511	3.8950
NGX AECO	201512	3.9775
NGX AECO	201601	4.0600
NGX AECO	201602	4.0500
NGX AECO	201603	3.9800
NGX AECO	201604	3.5350
NGX AECO	201605	3.5225
NGX AECO	201606	3.5375
NGX AECO	201607	3.5975
NGX AECO	201608	3.5975
NGX AECO	201609	3.5625
NGX AECO	201610	3.6400
NGX AECO	201611	3.8175
NGX AECO	201612	3.9700
NGX AECO	201701	4.0950
NGX AECO	201702	4.0725
NGX AECO	201703	4.0300
NGX AECO	201704	3.5725
NGX AECO	201705	3.5675
NGX AECO	201706	3.5875
NGX AECO	201707	3.6025
NGX AECO	201708	3.6100
NGX AECO	201709	3.6200
NGX AECO	201710	3.6550
NGX AECO	201711	4.0350
NGX AECO	201712	4.1925
NGX AECO	210801	4.2650
NGX AECO	201802	4.2425
NGX AECO	201803	4.1775
NGX AECO	201804	3.9475
NGX AECO	201805	3.9125
NGX AECO	201806	3.9075
NGX AECO	201807	3.9150
NGX AECO	201808	3.9225
NGX AECO	201809	3.9650
NGX AECO	201810	3.9800
NGX AECO	201811	4.3025
NGX AECO	201812	4.4525
NGX AECO	201901	4.5150
NGX AECO	201902	4.4925
NGX AECO	201903	4.4300
NGX AECO	201904	4.1750
NGX AECO	201905	4.1425
NGX AECO	201906	4.1325
NGX AECO	201907	4.1225

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TRADE DATE	HUB	PRODUCT	STRIP	CONTRACT	CONTRACT TYPE	STRIKE	SETTLEMENT PRICE	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
6/6/14	Mid C	Peak Futures	Jun-14	MDC	F		35.7400	-0.2700	6/30/14	318
6/6/14	Mid C	Peak Futures	Jul-14	MDC	F		48.8000	-0.1500	7/31/14	318
6/6/14	Mid C	Peak Futures	Aug-14	MDC	F		54.7500	0.0000	8/29/14	318
6/6/14	Mid C	Peak Futures	Sep-14	MDC	F		49.6000	0.1000	9/30/14	318
6/6/14	Mid C	Peak Futures	Oct-14	MDC	F		44.1500	0.0500	10/31/14	318
6/6/14	Mid C	Peak Futures	Nov-14	MDC	F		48.2000	1.6000	11/28/14	318
6/6/14	Mid C	Peak Futures	Dec-14	MDC	F		52.8500	0.2500	12/31/14	318
6/6/14	Mid C	Peak Futures	Jan-15	MDC	F		47.8000	0.4500	1/30/15	318
6/6/14	Mid C	Peak Futures	Feb-15	MDC	F		42.2500	0.3500	2/27/15	318
6/6/14	Mid C	Peak Futures	Mar-15	MDC	F		42.2500	0.3500	3/31/15	318
6/6/14	Mid C	Peak Futures	Apr-15	MDC	F		33.0000	0.2500	4/30/15	318
6/6/14	Mid C	Peak Futures	May-15	MDC	F		30.3500	0.2500	5/29/15	318
6/6/14	Mid C	Peak Futures	Jun-15	MDC	F		30.3500	0.2500	6/30/15	318
6/6/14	Mid C	Peak Futures	Jul-15	MDC	F		44.5500	0.2500	7/31/15	318
6/6/14	Mid C	Peak Futures	Aug-15	MDC	F		44.4500	0.2500	8/31/15	318
6/6/14	Mid C	Peak Futures	Sep-15	MDC	F		44.4000	0.2500	9/30/15	318
6/6/14	Mid C	Peak Futures	Oct-15	MDC	F		42.7000	0.7500	10/30/15	318
6/6/14	Mid C	Peak Futures	Nov-15	MDC	F		42.8000	0.7500	11/30/15	318
6/6/14	Mid C	Peak Futures	Dec-15	MDC	F		42.9500	0.7500	12/31/15	318
6/6/14	Mid C	Peak Futures	Jan-16	MDC	F		42.2500	0.2500	1/29/16	318
6/6/14	Mid C	Peak Futures	Feb-16	MDC	F		42.2500	0.2500	2/29/16	318
6/6/14	Mid C	Peak Futures	Mar-16	MDC	F		42.2500	0.2500	3/31/16	318
6/6/14	Mid C	Peak Futures	Apr-16	MDC	F		30.6000	0.2000	4/29/16	318
6/6/14	Mid C	Peak Futures	May-16	MDC	F		30.6000	0.2000	5/31/16	318
6/6/14	Mid C	Peak Futures	Jun-16	MDC	F		30.6000	0.2000	6/30/16	318
6/6/14	Mid C	Peak Futures	Jul-16	MDC	F		46.4500	0.3000	7/29/16	318
6/6/14	Mid C	Peak Futures	Aug-16	MDC	F		46.4500	0.3000	8/31/16	318
6/6/14	Mid C	Peak Futures	Sep-16	MDC	F		46.4500	0.3000	9/30/16	318
6/6/14	Mid C	Peak Futures	Oct-16	MDC	F		43.7000	0.3000	10/31/16	318
6/6/14	Mid C	Peak Futures	Nov-16	MDC	F		43.7000	0.3000	11/30/16	318
6/6/14	Mid C	Peak Futures	Dec-16	MDC	F		43.7000	0.3000	12/30/16	318
6/6/14	Mid C	Peak Futures	Jan-17	MDC	F		44.2500	0.2500	1/31/17	318
6/6/14	Mid C	Peak Futures	Feb-17	MDC	F		44.2500	0.2500	2/28/17	318
6/6/14	Mid C	Peak Futures	Mar-17	MDC	F		44.2500	0.2500	3/31/17	318
6/6/14	Mid C	Peak Futures	Apr-17	MDC	F		34.5500	0.2000	4/28/17	318
6/6/14	Mid C	Peak Futures	May-17	MDC	F		34.5500	0.2000	5/31/17	318
6/6/14	Mid C	Peak Futures	Jun-17	MDC	F		34.5500	0.2000	6/30/17	318
6/6/14	Mid C	Peak Futures	Jul-17	MDC	F		48.6500	0.3000	7/31/17	318
6/6/14	Mid C	Peak Futures	Aug-17	MDC	F		48.6500	0.3000	8/31/17	318
6/6/14	Mid C	Peak Futures	Sep-17	MDC	F		48.6500	0.3000	9/29/17	318
6/6/14	Mid C	Peak Futures	Oct-17	MDC	F		46.6500	0.3000	10/31/17	318
6/6/14	Mid C	Peak Futures	Nov-17	MDC	F		46.6500	0.3000	11/30/17	318
6/6/14	Mid C	Peak Futures	Dec-17	MDC	F		46.6500	0.3000	12/29/17	318
6/6/14	Mid C	Peak Futures	Jan-18	MDC	F		47.7500	0.2500	1/31/18	318
6/6/14	Mid C	Peak Futures	Feb-18	MDC	F		47.7500	0.2500	2/28/18	318
6/6/14	Mid C	Peak Futures	Mar-18	MDC	F		47.7500	0.2500	3/29/18	318
6/6/14	Mid C	Peak Futures	Apr-18	MDC	F		37.5500	0.2000	4/30/18	318
6/6/14	Mid C	Peak Futures	May-18	MDC	F		37.5500	0.2000	5/31/18	318
6/6/14	Mid C	Peak Futures	Jun-18	MDC	F		37.5500	0.2000	6/29/18	318
6/6/14	Mid C	Peak Futures	Jul-18	MDC	F		52.7500	0.3000	7/31/18	318
6/6/14	Mid C	Peak Futures	Aug-18	MDC	F		52.7500	0.3000	8/31/18	318
6/6/14	Mid C	Peak Futures	Sep-18	MDC	F		52.7500	0.3000	9/28/18	318
6/6/14	Mid C	Peak Futures	Oct-18	MDC	F		50.1000	0.3000	10/31/18	318
6/6/14	Mid C	Peak Futures	Nov-18	MDC	F		50.1000	0.3000	11/30/18	318
6/6/14	Mid C	Peak Futures	Dec-18	MDC	F		50.1000	0.3000	12/31/18	318
6/6/14	Mid C	Peak Futures	Jan-19	MDC	F		50.3000	0.2500	1/31/19	318
6/6/14	Mid C	Peak Futures	Feb-19	MDC	F		50.3000	0.2500	2/28/19	318
6/6/14	Mid C	Peak Futures	Mar-19	MDC	F		50.3000	0.2500	3/29/19	318
6/6/14	Mid C	Peak Futures	Apr-19	MDC	F		39.5000	0.2000	4/30/19	318
6/6/14	Mid C	Peak Futures	May-19	MDC	F		39.5000	0.2000	5/31/19	318
6/6/14	Mid C	Peak Futures	Jun-19	MDC	F		39.5000	0.2000	6/28/19	318
6/6/14	Mid C	Peak Futures	Jul-19	MDC	F		56.1500	0.3000	7/31/19	318
6/6/14	Mid C	Peak Futures	Aug-19	MDC	F		56.2000	0.3000	8/30/19	318
6/6/14	Mid C	Peak Futures	Sep-19	MDC	F		56.1500	0.3000	9/30/19	318
6/6/14	Mid C	Peak Futures	Oct-19	MDC	F		52.7000	-0.3000	10/31/19	318

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TRADE DATE	HUB	PRODUCT	STRIP	CONTRACT	CONTRACT TYPE	STRIKE	SETTLEMENT PRICE	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
6/6/14	Mid C	Peak Futures	Nov-19	MDC	F		52.7000	0.3000	11/27/19	318
6/6/14	Mid C	Peak Futures	Dec-19	MDC	F		52.7000	0.3000	12/31/19	318
6/6/14	Mid C	Peak Futures	Jan-20	MDC	F		53.1000	0.2500	1/31/20	318
6/6/14	Mid C	Peak Futures	Feb-20	MDC	F		53.1000	0.2500	2/28/20	318
6/6/14	Mid C	Peak Futures	Mar-20	MDC	F		53.1000	0.2500	3/31/20	318
6/6/14	Mid C	Peak Futures	Apr-20	MDC	F		42.3500	0.2000	4/30/20	318
6/6/14	Mid C	Peak Futures	May-20	MDC	F		42.3500	0.2000	5/29/20	318
6/6/14	Mid C	Peak Futures	Jun-20	MDC	F		42.3500	0.2000	6/30/20	318
6/6/14	Mid C	Peak Futures	Jul-20	MDC	F		59.2000	0.3000	7/31/20	318
6/6/14	Mid C	Peak Futures	Aug-20	MDC	F		59.1500	0.3000	8/31/20	318
6/6/14	Mid C	Peak Futures	Sep-20	MDC	F		59.1500	0.3000	9/30/20	318
6/6/14	Mid C	Peak Futures	Oct-20	MDC	F		55.1500	0.3000	10/30/20	318
6/6/14	Mid C	Peak Futures	Nov-20	MDC	F		55.1500	0.3000	11/30/20	318
6/6/14	Mid C	Peak Futures	Dec-20	MDC	F		55.1500	0.3000	12/31/20	318
6/6/14	Mid C	Peak Futures	Jan-21	MDC	F		55.7000	0.2500	1/29/21	318
6/6/14	Mid C	Peak Futures	Feb-21	MDC	F		55.7000	0.2500	2/26/21	318
6/6/14	Mid C	Peak Futures	Mar-21	MDC	F		55.7000	0.2500	3/31/21	318
6/6/14	Mid C	Peak Futures	Apr-21	MDC	F		44.9000	0.2000	4/30/21	318
6/6/14	Mid C	Peak Futures	May-21	MDC	F		44.9000	0.2000	5/28/21	318
6/6/14	Mid C	Peak Futures	Jun-21	MDC	F		44.9000	0.2000	6/30/21	318
6/6/14	Mid C	Peak Futures	Jul-21	MDC	F		62.3000	0.3000	7/30/21	318
6/6/14	Mid C	Peak Futures	Aug-21	MDC	F		62.3000	0.3000	8/31/21	318
6/6/14	Mid C	Peak Futures	Sep-21	MDC	F		62.3000	0.3000	9/30/21	318
6/6/14	Mid C	Peak Futures	Oct-21	MDC	F		58.0000	0.3000	10/29/21	318
6/6/14	Mid C	Peak Futures	Nov-21	MDC	F		58.0000	0.3000	11/30/21	318
6/6/14	Mid C	Peak Futures	Dec-21	MDC	F		58.0000	0.3000	12/31/21	318

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TRADE DATE	HUB	PRODUCT	STRIP	CONTRACT	CONTRACT TYPE	STRIKE	SETTLEMENT PRICE	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-14	OMC	F	13.1100	1.0000	6/30/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-14	OMC	F	27.1500	-0.1000	7/31/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-14	OMC	F	36.2500	0.0000	8/29/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-14	OMC	F	38.3500	0.1000	9/30/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-14	OMC	F	37.3000	0.0500	10/31/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-14	OMC	F	40.0000	0.6000	11/28/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-14	OMC	F	43.8000	0.2500	12/31/14	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-15	OMC	F	41.0000	0.4500	1/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-15	OMC	F	36.4000	0.3500	2/27/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-15	OMC	F	35.5000	0.3500	3/31/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-15	OMC	F	16.8500	0.2500	4/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	May-15	OMC	F	16.3500	0.2500	5/29/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-15	OMC	F	16.2500	0.2500	6/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-15	OMC	F	29.8500	0.2500	7/31/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-15	OMC	F	29.7000	0.2500	8/31/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-15	OMC	F	29.6500	0.2500	9/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-15	OMC	F	36.1000	0.7500	10/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-15	OMC	F	36.2500	0.7500	11/30/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-15	OMC	F	36.4000	0.7500	12/31/15	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-16	OMC	F	35.6000	0.2500	1/29/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-16	OMC	F	35.6000	0.2500	2/29/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-16	OMC	F	35.6000	0.2500	3/31/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-16	OMC	F	16.8500	0.2000	4/29/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	May-16	OMC	F	16.8500	0.2000	5/31/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-16	OMC	F	16.8500	0.2000	6/30/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-16	OMC	F	32.1500	0.3000	7/29/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-16	OMC	F	32.1500	0.3000	8/31/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-16	OMC	F	32.1500	0.3000	9/30/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-16	OMC	F	37.9000	0.3000	10/31/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-16	OMC	F	37.9000	0.3000	11/30/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-16	OMC	F	37.9000	0.3000	12/30/16	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-17	OMC	F	37.9000	0.2500	1/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-17	OMC	F	37.9000	0.2500	2/28/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-17	OMC	F	37.9000	0.2500	3/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-17	OMC	F	19.5000	0.2000	4/28/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	May-17	OMC	F	19.5000	0.2000	5/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-17	OMC	F	19.5000	0.2000	6/30/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-17	OMC	F	34.0000	0.3000	7/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-17	OMC	F	34.0000	0.3000	8/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-17	OMC	F	34.0000	0.3000	9/29/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-17	OMC	F	39.6500	0.3000	10/31/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-17	OMC	F	39.6500	0.3000	11/30/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-17	OMC	F	39.6500	0.3000	12/29/17	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-18	OMC	F	42.2000	0.2500	1/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-18	OMC	F	42.2000	0.2500	2/28/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-18	OMC	F	42.2000	0.2500	3/29/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-18	OMC	F	23.0000	0.2000	4/30/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	May-18	OMC	F	23.0000	0.2000	5/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-18	OMC	F	23.0000	0.2000	6/29/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-18	OMC	F	38.2500	0.3000	7/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-18	OMC	F	38.2500	0.3000	8/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-18	OMC	F	38.2500	0.3000	9/28/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-18	OMC	F	43.5000	0.3000	10/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-18	OMC	F	43.5000	0.3000	11/30/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-18	OMC	F	43.5000	0.3000	12/31/18	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-19	OMC	F	44.9500	0.2500	1/31/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-19	OMC	F	44.9500	0.2500	2/28/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-19	OMC	F	44.9500	0.2500	3/29/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-19	OMC	F	25.1000	0.2000	4/30/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	May-19	OMC	F	25.1000	0.2000	5/31/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jun-19	OMC	F	25.1000	0.2000	6/28/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jul-19	OMC	F	41.4000	0.3000	7/31/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Aug-19	OMC	F	41.4000	0.3000	8/30/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Sep-19	OMC	F	41.4000	0.3000	9/30/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Oct-19	OMC	F	46.2500	0.3000	10/31/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Nov-19	OMC	F	46.2500	0.3000	11/27/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Dec-19	OMC	F	46.2500	0.3000	12/31/19	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Jan-20	OMC	F	47.9000	0.2500	1/31/20	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Feb-20	OMC	F	47.9000	0.2500	2/28/20	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Mar-20	OMC	F	47.9000	0.2500	3/31/20	502
6/6/14	Mid C	Off-Peak	Off-Peak Futures	Apr-20	OMC	F	26.8500	0.2000	4/30/20	502

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TRADE DATE	HUB	PRODUCT	STRIP	CONTRACT	CONTRACT TYPE	STRIKE	SETTLEMENT PRICE	NET CHANGE	EXPIRATION DATE	PRODUCT_ID
6/6/14	Mid C Off-Peak	Off-Peak Futures	May-20	OMC	F		26.8500	0.2000	5/29/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Jun-20	OMC	F		26.8500	0.2000	6/30/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Jul-20	OMC	F		43.8500	0.3000	7/31/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Aug-20	OMC	F		43.8500	0.3000	8/31/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Sep-20	OMC	F		43.8500	0.3000	9/30/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Oct-20	OMC	F		47.1000	0.3000	10/30/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Nov-20	OMC	F		47.1000	0.3000	11/30/20	502
6/6/14	Mid C Off-Peak	Off-Peak Futures	Dec-20	OMC	F		47.1000	0.3000	12/31/20	502

PSC-156a **Attachment – Fourth Update** is Copyright Protected; therefore, it has not been e-filed.

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