



August 9, 2013

Via e mail: submissions@cftc.gov

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NGX FBOT Certification of Product Amendment; CFTC Rule 48.10(a)

Secretary of the Commodity Futures Trading Commission
Three Lafayette Centre
1155 21st St., N.W.
Washington, D.C. 20581

In accordance with Commodity Futures Trading Commission (“Commission”) Rule 48.10(a), Natural Gas Exchange Inc. (“NGX”) hereby submits our written request to offer certain new contracts as a registered FBOT. NGX intends to implement this rule amendment on August 26, 2013.

This filing contains the following, as required by Rule 48.10:

TERMS AND CONDITIONS OF THE ADDITIONAL FUTURES CONTRACTS;

See Appendix “A”.

NGX will be offering additional U.S. Physically Settled Power Futures Products which products are listed in the US Power section of the Schedule “D” Product List.

Certain additional new products highlighted in yellow have been added to the spreadsheet. These products were either already offered or required clarification in their description. Products highlighted in red have been removed from the product list.

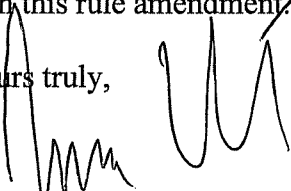
New Schedule “K” and Sections 4.5 and 4.6 of the terms and conditions of the CPA which set out the terms and conditions of the additional futures contracts are attached.

CERTIFICATION THAT NGX COMPLIES WITH REGISTRATION REQUIREMENTS

NGX, as foreign board of trade and a clearing organization, continues to satisfy the requirements and conditions of registration.

Please do not hesitate to contact myself (403-974-1765) or our Legal Counsel, Jennifer Oosterbaan (403-974-1740) for any further information the Commission or its staff may require in connection with this rule amendment.

Yours truly,

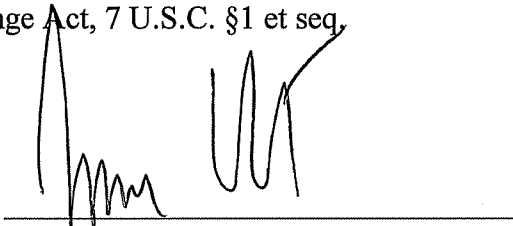
A handwritten signature in black ink, appearing to be 'James Oosterbaan', written over the 'Yours truly,' text.

James Oosterbaan
President & CEO, Natural Gas Exchange Inc.

cc: Jennifer Oosterbaan, NGX
Corrine Fiesel, NGX
CFTC Southwestern regional office

CERTIFICATION PURSUANT TO SECTION 5c OF THE
COMMODITY EXCHANGE ACT AND COMMODITY
FUTURES TRADING COMMISSION RULE 48.10

I hereby certify that the foregoing rule amendment complies with § 48.8(c) of the Commodity
Exchange Act, 7 U.S.C. §1 et seq.

A handwritten signature in black ink, consisting of several loops and a long vertical stroke, positioned above a horizontal line.

By: James Oosterbaan
Title: Natural Gas Exchange Inc.
Dated: August 9, 2013

Appendix “A”

~~(April 29, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties)~~

4.4 Invoices for Physically Settled Oil Futures Transactions

- a. Invoices for Physically Settled Oil Futures Transactions – Notwithstanding any other provision of this Agreement, Exchange will post on Exchange’s Website for sole access by the Contracting Party (or will provide the Contracting Party, upon request, with) an Invoice before the Physical Settlement Date for such Physically Settled Oil Futures Transactions, which are payable in the same currency, setting forth a net amount owing by or to the Contracting Party itemizing and applying Set-off to each Purchase Amount payable or receivable in respect of any such Physically Settled Oil Futures Transactions, any amounts payable for fees to Exchange and any amounts payable on account of GST.

To the extent practicable, Invoices shall be based on actual accounting information. If actual accounting information is not available, Exchange will be entitled to prepare Invoices based on reasonable estimates and will reconcile accounts as soon as reasonably practicable in Invoices for following months. Upon written request by the Contracting Party, Exchange shall provide the rationale for the use of estimated amounts to be reconciled hereunder.

Exchange will also be entitled to deduct an amount equal to any shortfall in the provision by the Contracting Party of Collateral as at the Physical Settlement Date that has been requested in accordance with the Risk Management Policy and to hold such amount as Collateral until any such shortfall has been rectified to the satisfaction of Exchange. The payment or receipt by the Contracting Party of such net amount in accordance with this Agreement to or from Exchange will constitute full satisfaction of the payment or receipt of any Purchase Amount, payable to or receivable by the Contracting Party and Exchange.

- b. Terms – Subject to any amount hereunder becoming due and payable at an earlier time pursuant to the provisions of this Agreement, the amount of the Invoice owed by the Contracting Party to Exchange or to the Contracting Party by Exchange will be due and payable on the Physical Settlement Date. Any items on any Invoice disputed by any Contracting Party will be noted to Exchange prior to the Physical Settlement Date. Payments by the Contracting Party will be made payable to Exchange and may be made by wire payment or electronic funds transfer. An officer of the Contracting Party authorized to provide banking instructions shall notify Exchange of its banking information and represents and warrants that the information provided to Exchange is accurate and current. Exchange is entitled to accept this information via email or facsimile. Late payments will bear interest after the due date at the Default Rate to and including the date of payment to Exchange or the Contracting Party, as the case may be, of all such amounts. Interest will be payable only on the amount of any Invoice remaining unpaid from time to time.
- c. Final Invoices – The Contracting Party and Exchange agree that any Invoice payable on any Physical Settlement Date will be final and binding, absent manifest error, for all purposes 120 days after such Physical Settlement Date unless the Contracting Party has then advised Exchange of any error in, or dispute in respect of, such Invoice.

4.5 Physically Settled Power Futures Products - General

- a. Forms of Physically Settled Power Futures Products – The forms of Physically Settled Power Futures Products and a description of such Physically Settled Power Futures Products which may be made available by Exchange to the Contracting Party from time to time is set forth in the NGX Product List and Schedule “K”

- b. Forward Transactions - Exchange may make available for trading Forward Products which are not cleared by the NGX Clearing System, except pursuant to the Exchange of Futures for Related Product provision of section 3.2(f). Forward Products for Physical Power Products with U.S. Delivery Points are available for trading on the ICE Trading Platform.
- c. Futures Transactions - Exchange may make available for trading Physically Settled Futures Products for which clearing by NGX Clearing System is required. Physically Settled Power Futures Products are available for trading on the NGX Trading System.
- d. Bids and Offers for U.S. Delivery Points - Bids and offers of Forward Products in Physical Power with U.S. Delivery Points ("ICE Physical Power Products") and Physically Settled Power Futures Products with U.S. Delivery Points ("NGX Physical Power Products") are included within a single electronic display. A bid or offer for an ICE Physical Power Product does not interact with bids or offers for an NGX Physical Power Product unless the Contracting Party designates it as an ICE-Originated Order, which is termed by the ICE Trading Platform to be a "Clearing Enabled Order." An ICE-Originated Order interacts only with bids or offers for ICE Physical Power Products unless best execution would be as an NGX Physical Power Product. In that case, the ICE-Originated bid or offer is matched and executed as an NGX Physically Settled Power Futures Product and cleared by NGX as such.
- e. Entering into Physically Settled Futures Transactions – Each of Exchange and the Contracting Party, in its respective capacity as the Buyer or the Seller, as the case may be, agrees to be bound by any Physically Settled Futures Transactions entered into by the Contracting Party through the NGX Trading System or under the EFRP provision of Section 3.2(f). Each of Exchange and the Contracting Party agrees to pay the Purchase Amount and any applicable taxes and take receipt of Physical Power or deliver Physical Power as may be required pursuant to any such Physically Settled Futures Transactions.
- f. Settlement and Netting of Invoice Amounts – All amounts payable by a Contracting Party under any Physically Settled Futures Transaction are due and are payable and are to be settled pursuant to the terms of this Agreement. In determining the net amounts payable or receivable on each Invoice by the Contracting Party, Exchange will Set-off the amounts payable or receivable in the same currency on account of the Purchase Amount, fees and any applicable taxes for the Contracting Party, if applicable. The Contracting Party will be obligated to pay or entitled to receive only such net amounts. The Contracting Party shall be responsible for any and all wire transfer fees applied or deducted by the Exchange's bank relating to the receipt, deposit or transfer of amounts payable by the Contracting Party. On the Physical Settlement Date, Exchange will not remit any amounts payable from Exchange to the Contracting Party until all amounts payable from the Contracting Party to Exchange have been received by Exchange.
- g. Netting of Obligations to Deliver or Take – All Obligations of Exchange and the Contracting Party to schedule to deliver the Contract Quantity of Physical Power or schedule to take the Contract Quantity of Physical Power at any U.S. Delivery Point in satisfaction of a Physically Settled Power Futures Transaction will be satisfied by the scheduling of the delivery or taking of the Contract Quantity to or from Exchange, as the case may be, on a net basis in accordance with this Schedule "K" of this Agreement.
- h. The obligations of the Exchange and Contracting Party under any Physically Settled Power Futures Transaction will be fully performed upon the payment of all amounts by the Buyer and the corresponding Seller.

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

4.6 Invoices for Physically Settled Power Futures Transactions

- a. Invoices for Physically Settled Futures Transactions – Notwithstanding any other provision of this Agreement, and subject to any requirement for accelerated invoicing as set out in Schedule “K”, Exchange will post on Exchange’s Website for sole access by the Contracting Party (or will provide the Contracting Party, upon request, with) an Invoice on or before the 15th day of each calendar month for scheduling of deliveries and receipts of Physical Power during the prior calendar month pursuant to Physically Settled Power Futures Transactions, which are payable in the same currency, setting forth a net amount owing by or to the Contracting Party itemizing and applying Set-off to each Purchase Amount payable or receivable in respect of any such Physically Settled Power Futures Transactions, any amounts payable for fees to Exchange and any amounts payable on account of any applicable taxes. Exchange will also be entitled to deduct an amount equal to any shortfall in the provision by the Contracting Party of Collateral as at the Physical Settlement Date that has been requested in accordance with the Risk Management Policy and to hold such amount as Collateral until any such shortfall has been rectified to the satisfaction of Exchange. The payment or receipt by the Contracting Party of such net amount in accordance with this Agreement to or from Exchange will constitute full satisfaction of the payment or receipt of any Purchase Amount, payable to or receivable by the Contracting Party and Exchange.

- b. Terms – Subject to any amount hereunder becoming due and payable at an earlier time pursuant to the provisions of this Agreement, the amount of the Invoice owed by the Contracting Party to Exchange or to the Contracting Party by Exchange will be due and payable on the Physical Settlement Date. Any items on any Invoice disputed by any Contracting Party will be noted to Exchange at least five Business Days prior to the Physical Settlement Date. Payments by the Contracting Party will be made payable to Exchange and may be made by wire payment or electronic funds transfer. An officer of the Contracting Party authorized to provide banking instructions shall notify Exchange of its banking information and represents and warrants that the information provided to Exchange is accurate and current. Exchange is entitled to accept this information via email or facsimile. Late payments will bear interest after the due date at the Default Rate to and including the date of payment to Exchange or the Contracting Party, as the case may be, of all such amounts. Interest will be payable only on the amount of any Invoice remaining unpaid from time to time.

- c. Final Invoices – The Contracting Party and Exchange agree that any Invoice payable on any Physical Settlement Date will be final and binding, absent manifest error, for all purposes 120 days after such Physical Settlement Date unless the Contracting Party has then advised Exchange of any error in, or dispute in respect of, such Invoice or unless the Contracting Party has made a Failure to Schedule to Deliver or a Failure to Schedule to Take, in which case, Invoices payable will not be considered final until 180 days after the Physical Power Delivery Date.

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

SCHEDULE "A" – FEE SCHEDULE¹

Subscription Fees - Monthly²

Subscription Fee per month – Contracting Party	\$1,500
Subscription Fee per month – Contracting Party Affiliate, netted account	\$750
Subscription Fee per month – Contracting Party Affiliate, non-netted account	\$750

Transaction and Forward Transaction Fees–Physical Gas at Canadian Delivery Points – Business Days

NGX AB-NIT Yesterday Fixed Price	CAD/GJ	\$0.0025
All other Canadian Dollar Products	CAD/GJ	\$0.0011
All other US Dollar Products	USD/MMBtu	\$0.0011
<i>Spread Products</i>		
All Canadian Dollar Products	CAD/GJ/leg	\$0.00055
All U.S. Dollar Products	USD/MMBtu/leg	\$0.00055

Transaction and Forward Transaction Fees–Oil

Canadian Delivery Point – cleared	CAD/barrel	\$0.025
Canadian Delivery Point – Forward	CAD/barrel	\$0.01

Transaction and Forward Transaction Fees–Physical Gas at Canadian Delivery Points – Weekends and Non-Business Days

NGX AB-NIT Yesterday Fixed Price	CAD/GJ	\$0.0025
NGX AB-NIT Same Day Fixed Price	CAD/GJ	\$0.0025
NGX AB-NIT Same Day Index	CAD/GJ	\$0.0025
All other Products	CAD/GJ	\$0.0011

Transaction and Forward Transaction Fees – ~~Electricity~~ Financial Power Futures Transactions

Alberta Hourly	CAD/MWh	\$0.10
All other Alberta Electricity <u>Financial Power</u> and Heat Rate	CAD/MWh	\$0.02
Ontario Electricity <u>Financial Power</u> and Heat Rate	CAD/MWh	\$0.02
EPCOR RRO	CAD/MWh	\$250 per 1% lot

¹ Note that all fees are subject to rebates as published from time to time on the Exchange's Website. Transactions resulting from an assignment and novation will be billed at 50% at the amount posted in this Schedule "A".

² Note that U.S.-based participants will be charged in USD.

ENMAX RRO – LFM	CAD/MWh	\$312.50 per 1% lot
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Transaction Fees –Options Transactions (Gas)

Alberta –(Fixed and Alberta-Basis Futures) Put and Call Options	CAD/GJ	\$0.0011
Alberta Straddle Options	CAD/GJ/leg	\$0.00055

Clearing Fees –Physical Gas at US Delivery Points

Henry Hub, Michcon, Oasis-Waha and Houston Ship Channel	USD/MMBtu	\$0.003
Opal	USD/MMBtu	\$0.0035
All other US Delivery Points	USD/MMBtu	\$0.002

Clearing Fees –Physically Settled Oil Futures at US Delivery Points

United States Delivery Point	USD/barrel	\$0.015
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Clearing Fees – Futures Transactions at Canadian Delivery Points (Gas)

NGX AB-NIT Fixed for Floating	CAD/GJ	\$0.0011
All other Natural Gas Futures Products	USD/MMBtu	\$0.0011

Transaction Fees – Physical Power Futures Transactions

<u>ERCOT – tenor of less than one calendar month</u>	<u>USD/MWh</u>	<u>\$0.03</u>
<u>ERCOT – tenor of one calendar month or longer</u>	<u>USD/MWh</u>	<u>\$0.0175</u>

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

Fees for Delivery Points located in Canada are subject to GST.

SCHEDULE "D" – NGX PRODUCT LIST

DEFINITIONS

"AEFP" is defined in Section 10(b) of Schedule "E";

"AESO" is defined in Section 10(a) of Schedule "E";

"ARG" is defined in Appendix 2 to Schedule "H";

[“ATC” means HE 01:00 - 24:00 Monday-Sunday including NERC holidays;](#)

"CGPR" is defined in Section 15(h) of Schedule "F";

"Cleared Only Product" is defined in Section 1.2(q) of the Terms and Conditions;

"Crude Type" is defined in Appendix 1 to Schedule "H";

"CMA" is defined in Appendix 1 to Schedule "H" and in Appendix 2 to Schedule “H”, as applicable to U.S. and Canadian crude oil products;

"CP" is defined in Appendix 2 to Schedule "H";

"DNS" is defined in Appendix 1 to Schedule "H";

"ENMAX LFM" is defined in the NGX Index Methodology Guide;

"Exchange's Website" is defined in Section 1.2(ddd) of the Terms and Conditions;

"Floating Price" is defined in Section 10(y) of Schedule "E";

"GDD" means a daily index published in Platts Gas Daily;

[“HE 7-11” HE 07:00 - 11:00 Monday-Friday excluding NERC holidays;](#)

[“HE 12-22” means HE 12:00 - 22:00 Monday-Friday excluding NERC holidays;](#)

"HOEP" is defined in Section 10(dd) of Schedule "E";

"IESO" is defined in Section 10(ee) of Schedule "E";

"IF" means Platts Inside FERC;

"LD1" means an index published in Platts Gas Daily;

"NGI" means a publication entitled NGI's Bidweek Survey produced and delivered on the first U.S. business day of each month by Intelligence Press, Inc.;

"NGX AB-NIT Day Ahead Index" is defined in Section 15(jj) of Schedule "F";

"NGX AB-NIT Month Ahead Index (7A)" is defined in Section 15(ll) of Schedule "F";

"NGX AB-NIT Month Ahead (7A US)" is defined in the NGX Index Methodology Guide;

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"NGX AB-NIT Same Day Index (2A)" is defined in Section 15(mm) of Schedule "F";

"NGX AB-NIT Same Day (2A US)" is defined in the NGX Index Methodology Guide;

"NGX AB-NIT Same Day Index (4A)" is defined in Section 15(oo) of Schedule "F";

"NGX AB-NIT Same Day Index (5A)" is defined in Section 15(qq) of Schedule "F";

"NGX AB-NIT Same Day Index (5A) in the US" is defined in Section 15(ss) of Schedule "F";

"NGX Alberta Extended Peak Electricity RRO" is defined in the NGX Index Methodology Guide;

"NGX Alberta Flat Electricity RRO" is defined in the NGX Index Methodology Guide;

"NGX Index Methodology Guide" means a document published by Exchange on Exchange's Website that provides descriptions of methodology for determination and definition of price indices;

"NGX AB-NIT Spectra Station #2 Day Ahead Index" is defined in Section 15(uu) of Schedule "F";

"NGX Union-Dawn Day Ahead Index" is defined in Section 15(ww) of Schedule "F";

"Off Peak" means HE 01:00 - 06:00, HE 23:00 and HE 24:00 daily;

"Off Pk Wknd" means Hour Ending (HE) 07:00 - 22:00 Saturday and Sunday including NERC holidays;

"Peak" means Hour Ending (HE) 07:00 - 22:00 Monday-Friday excluding NERC holidays;

"Platts Gas Daily" has the same meaning as "Gas Daily" as found in Section 15(s) of Schedule "F";

"Platts Inside FERC" means Inside FERC's Gas Market Report as published by Platts, a division of The McGraw-Hill Companies, Inc.;

"WRAP" means Monday through Friday HE 01:00 - 06:00, HE 23:00 and HE 24:00 and HE 01:00 - 24:00, Saturday and Sunday plus NERC holidays; and

"TMX 1a" is defined in Section 2(n) of Schedule "H".

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

CRUDE TYPES

"AHS" is defined in Appendix 1 to Schedule "H";

"BR" is defined in Appendix 1 to Schedule "H";

"C5" is defined in Appendix 1 to Schedule "H";

"CAL" is defined in Appendix 1 to Schedule "H";

"CLK" is defined in Appendix 1 to Schedule "H";

"CNS" is defined in Appendix 1 to Schedule "H";

"DSW" is defined in Appendix 2 to Schedule "H";

"EUG" is defined in Appendix 2 to Schedule "H";
 "FH" is defined in Appendix 1 to Schedule "H";
 "HSB" is defined in Appendix 1 to Schedule "H";
 "LLB" is defined in Appendix 1 to Schedule "H";
 "LLK" is defined in Appendix 1 to Schedule "H";
 "LLS" is defined in Appendix 2 to Schedule "H";
 "LSB" is defined in Appendix 1 to Schedule "H";
 "M" is defined in Appendix 1 to Schedule "H";
 "MAR" is defined in Appendix 2 to Schedule "H";
 "PAS" is defined in Appendix 1 to Schedule "H";
 "POS" is defined in Appendix 2 to Schedule "H";
 "SC" is defined in Appendix 1 to Schedule "H";
 "SHB" is defined in Appendix 1 to Schedule "H";
 "SHE" is defined in Appendix 1 to Schedule "H";
 "SLE" is defined in Appendix 1 to Schedule "H";
 "SO" is defined in Appendix 1 to Schedule "H";
 "SW" is defined in Appendix 1 to Schedule "H";
 "SYN" is defined in Appendix 1 to Schedule "H";
 "WCB" is defined in Appendix 1 to Schedule "H";
 "WCS" is defined in Appendix 1 to Schedule "H";
 "WH" is defined in Appendix 1 to Schedule "H";
 "WTI" is defined in Appendix 2 to Schedule "H"; and
 "WTS" is defined in Appendix 2 to Schedule "H".

PRODUCT TYPES

BS	Physical Basis
FP	Fixed Price
ID	Physical Index
<u>HR</u>	<u>An index product that converts to a fixed price contract by multiplying the traded Heat Rate (MMBTU/MWh) by the final NYMEX NG settlement price for the relevant contract month.</u>
FP Spread	Fixed Price Spread
BS Spread	Physical Basis Spread
DBS	Daily Basis Futures
FP Futures	Fixed Futures
BS Futures	Basis Futures
ID Futures	Index Futures

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

NGX NATURAL GAS PRODUCTS - CANADA

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via WebICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	NGX Bilateral trades on NGX as:	Minimum Futures Block Size (GJ/MMBtu)
PHYSICAL FUTURES															
NGX Phys FUT, BS, LD1 (US/MM)	AB-NIT	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	Spectra Huntingdon	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL Emerson 2	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL Enbridge CDA	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms and Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL St Clair	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL-Chippawa	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL-Iroquois	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	TCPL-Niagara	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	Union-Dawn	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 (US/MM)	Union-Parkway	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	AB-NIT / TCPL-Emerson 2	NGX	Phys	BS Spread	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	AB-NIT / Union-Dawn	NGX	Phys	BS Spread	USD/MMBtu					TransCanada Pipelines Limited and Union Gas	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	TCPL St Clair / Union-Dawn	NGX	Phys	BS Spread	USD/MMBtu					TransCanada Pipelines Limited and Union Gas	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union Dawn / TCPL Enbridge CDA	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines	Union General Terms and TransCanada	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union Parkway / TCPL Enbridge CDA	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines	Union General Terms and TransCanada	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union-Dawn / TCPL Iroquois	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines	Union General Terms and TransCanada	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union-Dawn / TCPL Chippawa	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines Limited	Union General Terms and TransCanada Pipelines Limited Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union-Dawn / TCPL Niagara	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines Limited	Union General Terms and TransCanada Pipelines Limited Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, BS, LD1 Spr (US/MM)	Union-Dawn / Union Parkway	NGX	Phys	BS Spread	USD/MMBtu					Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	AB-NIT	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	APC-CREC	NGX	Phys	FP	CAD/GJ					Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	TCPL Empress	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	Spectra Station #2	NGX	Phys	FP	CAD/GJ					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	Suffield 2	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms and Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (CA/GJ)	TEP	NGX	Phys	FP	CAD/GJ					TransGas Limited	TransGas Service Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	AB-NIT	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	Spectra Huntingdon	ICE	Phys	FP	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	Spectra Station #2	NGX	Phys	FP	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	TCPL Emerson 2	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via Web/ICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	NGX Bilateral trades on NGX as:	Minimum Futures Block Size (G/MMBtu)
NGX Phys FUT, FP (US/MM)	TCPL Enbridge CDA	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms and Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	TCPL St Clair	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	TCPL-Chippawa	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	TCPL-Iroquois	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	TCPL-Niagara	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	Union-Dawn	NGX	Phys	FP	USD/MMBtu					Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP (US/MM)	Union-Parkway	NGX	Phys	FP	USD/MMBtu					Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (CA/GJ)	AB-NIT / Sufield 2	NGX	Phys	FP Spread	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms and Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (CA/GJ)	AB-NIT / TCPL Empress	NGX	Phys	FP Spread	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP SPR (CA/GJ)	Spectra-Stn2/AB-NIT	NGX	Phys	FP Spread	CAD/GJ					Duke Energy Gas Transmission and TransCanada Pipelines	Duke Energy Gas Transmission General Terms & Conditions and	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Spectra Station #2/Spectra Huntingdon	NGX	Phys	FP Spread	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	TCPL St Clair / Union-Dawn	NGX	Phys	FP Spread	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union Dawn / TCPL Enbridge CDA	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines Limited	Union General Terms and TransCanada Pipelines Limited Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union Parkway / TCPL Enbridge CDA	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines Limited	Union General Terms and TransCanada Pipelines Limited Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union-Dawn / TCPL Iroquois	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines	Union General Terms and TransCanada	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union-Dawn / TCPL Chippawa	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines	Union General Terms and TransCanada	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union-Dawn / TCPL Niagara	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited and TransCanada Pipelines Limited	Union General Terms and TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, FP Spr (US/MM)	Union-Dawn / Union Parkway	NGX	Phys	FP Spread	USD/MMBtu					Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 2a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (2A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 2a NGX (CA/GJ)	APC-CREC	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (2A)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 2a NGX (US/MM)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day Index (2A US)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 2a NGX (US/MM)	APC-CREC	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day (2A US)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 4a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (4A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 4a NGX (CA/GJ)	APC-CREC	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (4A)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 5a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (5A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 5a NGX (CA/GJ)	APC-CREC	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (5A)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 5a NGX (CA/GJ)	TEP	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (5A)		Exchange's Website and CGPR		TransGas Limited	TransGas Service Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 5a NGX (US/MM)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day Index (5A US)		Exchange's Website and CGPR		TransCanada Pipelines	TransCanada Pipelines	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 5a NGX (US/MM)	APC-CREC	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day Index (5A US)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms &	Physically Settled Future	Physically Settled Future	N/A	100

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via Web/ICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	NGX Bilateral trades on NGX as:	Minimum Futures Block Size (GJ/MMBtu)
NGX Phys FUT, ID, 7a NGX (CA/GJ)	APC-CREC	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (CA/GJ)	Spectra Station #2	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (US/MM)	APC-CREC	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Month Ahead (7A US)		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (US/MM)	TCPL Empress	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, 7a NGX (US/MM)	Union-Dawn	NGX	Phys	ID	USD/MMBtu	NGX Union-Dawn Day Ahead Index		Exchange's Website and CGPR		Union Gas Limited	Union General Terms	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, Day Ahead (US/MM)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Day Ahead Index		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	APC-CREC	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Day Ahead Index		Exchange's Website and CGPR		Alliance Pipeline L.P.	Alliance Pipeline L.P. FERC Gas Tariff	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Spectra Station #2	NGX	Phys	ID	CAD/GJ	NGX Spectra Station #2 Day Ahead Index		Exchange's Website and CGPR		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, Day Ahead NGX (CA/GJ)	Spectra Huntingdon	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, GD (US/MM)	Spectra Huntingdon	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	Physically Settled Future	Physically Settled Future	N/A	100
NGX Phys FUT, ID, IF (US/MM)	AB-NIT	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, BS, LD1 (US/MM)	Spectra Huntingdon	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, BS, LD1 (US/MM)	TCPL Emerson 2	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, BS, LD1 (US/MM)	Union-Dawn	NGX	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Union Gas Limited	Union General Terms	N/A	N/A	Forward	N/A
NGX Phys FWD, BS, LD1 Spr (US/MM)	AB-NIT / TCPL-Emerson 2	NGX	Phys	BS Spread	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, BS, LD1 Spr (US/MM)	AB-NIT / Union-Dawn	NGX	Phys	BS Spread	USD/MMBtu					TransCanada Pipelines Limited and Union Gas	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (CA/GJ)	AB-NIT	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (CA/GJ)	Spectra Station #2	NGX	Phys	FP	CAD/GJ					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	AB-NIT	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	Spectra Huntingdon	ICE	Phys	FP	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	Spectra Station #2	NGX	Phys	FP	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	TCPL Emerson 2	NGX	Phys	FP	USD/MMBtu					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	Union-Dawn	NGX	Phys	FP	USD/MMBtu					Union Gas Limited	Union General Terms	N/A	N/A	Forward	N/A
NGX Phys FWD, FP (US/MM)	AB-NIT / TCPL Empress	NGX	Phys	FP Spread	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via Web/ICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	NGX Bilateral trades on NGX as:	Minimum Block Futures Block Size (GJ/MMBtu)
NGX Phys FWD, FP Spr (US/MM)	Spectra Station #2/Spectra Huntingdon	NGX	Phys	FP Spread	USD/MMBtu					Duke Energy Gas Transmission	Duke Energy Gas Transmission General	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 2a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (2A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 2a NGX (US/MM)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day Index (2A US)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 4a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (4A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 5a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Same Day Index (5A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 5a NGX (US/MM)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Same Day Index (5A US)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 7a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 7a NGX (US/MM)	Spectra Station #2	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		Duke Energy Gas Transmission	Duke Energy Gas Transmission General	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 7a NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	USD/MMBtu	NGX AB-NIT Month Ahead Index (7A)		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, 7a NGX (US/MM)	TCPL Empress	NGX	Phys	FP	CAD/GJ					TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, Day Ahead (US/MM)	Union-Dawn	NGX	Phys	ID	USD/MMBtu	NGX Union-Dawn Day Ahead Index		Exchange's Website and CGPR		Union Gas Limited	Union General Terms	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, Day Ahead NGX (CA/GJ)	AB-NIT	NGX	Phys	ID	CAD/GJ	NGX AB-NIT Day Ahead Index		Exchange's Website and CGPR		TransCanada Pipelines Limited	TransCanada Pipelines Limited Terms & Conditions	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, Day Ahead NGX (CA/GJ)	Spectra Station #2	NGX	Phys	ID	CAD/GJ	NGX Spectra Station #2 Day Ahead Index		Exchange's Website and CGPR		Duke Energy Gas Transmission	Duke Energy Gas Transmission General	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, GD (US/MM)	Spectra Huntingdon	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Duke Energy Gas Transmission	Duke Energy Gas Transmission General	N/A	N/A	Forward	N/A
NGX Phys FWD, ID, IF (US/MM)	Spectra Huntingdon	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Duke Energy Gas Transmission	Duke Energy Gas Transmission General	N/A	N/A	Forward	N/A

NGX PHYSICAL POWER PRODUCTS- U.S.

Product Name on ICE	NGX Product-NGX NGX Cleared Product=		Product	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1	Index 2	Hub Operator or U.S. Hub	Accessed via Web/ICE and trades/CLEAR as	OTC Clears thru DCO as	Minimum Futures Block Size	
	Hub Name	Cleared											Phys or Fin
Phys FUT, FP, Peak	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 7-11	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC	North 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Peak	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC	South 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Peak	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC	Houston 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Peak	West 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	West 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	West 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	West 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	West 345KV Hub	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC - Non Spin	ERCOT Ancillary Serv	ICE	Phys	FP	USD/MWh				ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, HR, Peak	North 345KV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG		NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, HR, Off Peak	North 345KV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG		NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, HR, Off Pk Wknd	North 345KV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG		NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, HR, WRAP	North 345KV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG		NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, HR, HE 12-22	North 345KV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG		NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25

Phys FUT, HR, HE 12-22 7x	North 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, HE 7-11	North 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, ATC	North 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Peak	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Peak	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Pk Wknd	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, WRAP	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, HE 12-22	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, ATC	South 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Peak	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Peak	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Pk Wknd	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, WRAP	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, HE 12-22	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, ATC	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Peak	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Peak	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, Off Pk Wknd	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, WRAP	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, HR, HE 12-22	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, Peak	North Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, SS, FP for Day Ahead NG										Physically Settled	Physically Settled	
Phys FUT, FP, WRAP	North Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, Peak	South Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, WRAP	South Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, Peak	Houston Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, WRAP	Houston Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, Peak	West Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25
Phys FUT, FP, WRAP	West Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Future	Future	25

NGX NATURAL GAS PRODUCTS - U.S.

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via WebICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	Minimum Futures Block Size (MMBtu)
NG Phys FUT, BS, LD1	ANR-SE-T	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	ANR-SE-T	ICE	Phys	FP	USD/MMBtu					American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	ANR-SE-T	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	ANR-SE-T	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	ANR-SW	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	ANR-SW	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	ANR-SW	ICE	Phys	FP	USD/MMBtu					American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	ANR-SW	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		American Natural Resources Pipeline Co	ANR FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	CEGT-Flex	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		CenterPoint Energy	CEGT FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	CEGT-Flex	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		CenterPoint Energy	CEGT FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	CEGT-Flex	ICE	Phys	FP	USD/MMBtu					CenterPoint Energy	CEGT FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	CEGT-Flex	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		CenterPoint Energy	CEGT FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	CG - Mainline	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	CG - Mainline	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	CG - Mainline	ICE	Phys	FP	USD/MMBtu					Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	CG - Mainline	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	CG - Onshore	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	CG - Onshore	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	CG - Onshore	ICE	Phys	FP	USD/MMBtu					Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	CG - Onshore	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Columbia Gulf	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Cheyenne Hub	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Colorado Interstate Gas Company	CIG Pipeline Tariff	Physically Settled Future	Physically Settled Future	100
NGX Phys FUT, FP (CA/GJ)	Cheyenne Hub	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Colorado Interstate Gas Company	CIG Pipeline Tariff	Physically Settled Future	Physically Settled Future	100
NGX Phys FUT, FP (CA/GJ)	TCPL Empress	NGX	Phys	FP	CAD/GJ					Northern Border Pipeline	NBPL Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Cheyenne Hub	ICE	Phys	FP	USD/MMBtu					Colorado Interstate Gas Company	CIG Pipeline Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Cheyenne Hub	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC CIG Rocky Mountains		Colorado Interstate Gas Company	CIG Pipeline Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Consumers - Citygate	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Consumers Energy	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Consumers - Citygate	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Consumers Energy	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Consumers - Citygate	ICE	Phys	FP	USD/MMBtu					Consumers Energy	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Consumers - Citygate	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Consumers Energy	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Dominion South	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Natural Gas Pipeline	Dominion FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Dominion South	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Natural Gas Pipeline	Dominion FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Dominion South	ICE	Phys	FP	USD/MMBtu					Natural Gas Pipeline	Dominion FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Dominion South	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Natural Gas Pipeline	Dominion FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100

NG Phys FUT, ID, GDD	El Paso Keystone	ICE	Phys	ID	USD/Mmbtu	GDD		Platt's Gas Daily	El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	El Paso Keystone	ICE	Phys	BS	USD/Mmbtu	LD1		NYMEX last day	El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	El Paso Keystone	ICE	Phys	FP	USD/Mmbtu				El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	El Paso Keystone	ICE	Phys	ID	USD/Mmbtu	IF		Platt's Inside FERC	El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	El Paso San Juan Blanco Pool	ICE	Phys	ID	USD/Mmbtu	GDD		Platt's Gas Daily	El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	El Paso San Juan Blanco Pool	ICE	Phys	BS	USD/Mmbtu	LD1		NYMEX last day	El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	El Paso San Juan Blanco Pool	ICE	Phys	FP	USD/Mmbtu				El Paso Pipeline	El Paso Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	El Paso San Juan Blanco Pool	ICE	Phys	ID	USD/Mmbtu	IF		Platt's Inside FERC	El Paso Pipeline	El Paso Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	GTN - Stanfield	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	GTN - Stanfield	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	GTN - Stanfield	ICE	Phys	FP	USD/MMBtu				Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, NGI	GTN - Stanfield	ICE	Phys	ID	USD/MMBtu	NGI		NGI - GTN Malin	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	GTN-Malin	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	GTN-Malin	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	GTN-Malin	ICE	Phys	FP	USD/MMBtu				Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, NGI	GTN-Malin	ICE	Phys	ID	USD/MMBtu	NGI		NGI	Gas Transmission Northwest Corporation	Gas Transmission Northwest FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Henry	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily	Sabine Hub Services (US Pipeline Operator: Sabine Pipeline LLC)	Sabine Hub Services Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Henry	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day	Sabine Hub Services (US Pipeline Operator: Sabine Pipeline LLC)	Sabine Hub Services Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Henry	ICE	Phys	FP	USD/MMBtu				Sabine Hub Services (US Pipeline Operator: Sabine Pipeline LLC)	Sabine Hub Services Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Henry	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc	Sabine Hub Services (US Pipeline Operator: Sabine Pipeline LLC)	Sabine Hub Services Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	HSC-HPL Pool	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily	Energy Transfer Partners LP	Railroad Commission of Texas Houston Pipe Line Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	HSC-HPL Pool	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day	Energy Transfer Partners LP	Railroad Commission of Texas Houston Pipe Line Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	HSC-HPL Pool	ICE	Phys	FP	USD/MMBtu				Energy Transfer Partners LP	Railroad Commission of Texas Houston Pipe Line Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	HSC-HPL Pool	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC	Energy Transfer Partners LP	Railroad Commission of Texas Houston Pipe Line Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Michcon	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily	Michcon	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Michcon	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day	Michcon	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Michcon	ICE	Phys	FP	USD/MMBtu				Michcon	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Michcon	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc	Michcon	not FERC regulated	Physically Settled Future	Physically Settled Future	100

NG Phys FUT, ID, GDD	NBPL - Ventura	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Northern Border Pipeline	NBPL Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NBPL - Ventura	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Northern Border Pipeline	NBPL Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NBPL - Ventura	ICE	Phys	FP	USD/MMBtu					Northern Border Pipeline	NBPL Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NBPL - Ventura	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		Northern Border Pipeline	NBPL Ferc Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	NGPL - STX	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NGPL - STX	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NGPL - STX	ICE	Phys	FP	USD/MMBtu					Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NGPL - STX	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	NGPL Midcont Pool	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NGPL Midcont Pool	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NGPL Midcont Pool	ICE	Phys	FP	USD/MMBtu					Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NGPL Midcont Pool	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	NGPL TXOK East	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NGPL TXOK East	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NGPL TXOK East	ICE	Phys	FP	USD/MMBtu					Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NGPL TXOK East	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Natural Gas Pipeline	NGPL FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	NNG-Demarc	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Northern Natural Gas	Northern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NNG-Demarc	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Northern Natural Gas	Northern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NNG-Demarc	ICE	Phys	FP	USD/MMBtu					Northern Natural Gas	Northern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NNG-Demarc	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Northern Natural Gas	Northern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	NNG-Ventura	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Northern Natural Gas Co.	NNG FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	NNG-Ventura	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Northern Natural Gas Co.	NNG FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	NNG-Ventura	ICE	Phys	FP	USD/MMBtu					Northern Natural Gas Co.	NNG FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	NNG-Ventura	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside FERC		Northern Natural Gas Co.	NNG FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Oasis-Waha Pool	ICE	Phys	ID	USD/Mmbtu	GDD		Platts Gas Daily		Energy Transfer Partners LP	Railroad Commission of Texas Oasis Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Oasis-Waha Pool	ICE	Phys	BS	USD/Mmbtu	LD1		NYMEX last day		Energy Transfer Partners LP	Railroad Commission of Texas Oasis Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Oasis-Waha Pool	ICE	Phys	FP	USD/Mmbtu					Energy Transfer Partners LP	Railroad Commission of Texas Oasis Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Oasis-Waha Pool	ICE	Phys	ID	USD/Mmbtu	IF		Platts Inside FERC		Energy Transfer Partners LP	Railroad Commission of Texas Oasis Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	OGT	ICE	Phys	ID	USD/Mmbtu	GDD		Platts Gas Daily		Oneok Gas Transportation, LLC	Oneok Gas Transportation Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	OGT	ICE	Phys	BS	USD/Mmbtu	LD1		NYMEX last day		Oneok Gas Transportation, LLC	Oneok Gas Transportation Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	OGT	ICE	Phys	FP	USD/Mmbtu					Oneok Gas Transportation, LLC	Oneok Gas Transportation Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	OGT	ICE	Phys	ID	USD/Mmbtu	IF		Platts Inside FERC		Oneok Gas Transportation, LLC	Oneok Gas Transportation Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Opal	ICE	Phys	ID	USD/Mmbtu	GDD		Platts Gas Daily		Williams	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Opal	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Williams	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Opal	ICE	Phys	FP	USD/MMBtu					Williams	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Opal	ICE	Phys	ID	USD/Mmbtu	IF		Platts Inside FERC		Williams	not FERC regulated	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Panhandle	ICE	Phys	ID	USD/MMBtu	GDD		Platts Gas Daily		Panhandle Eastern	Panhandle FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Panhandle	ICE	Phys	BS	USD/MMBtu	LD1		NYMEX last day		Panhandle Eastern	Panhandle FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Panhandle	ICE	Phys	FP	USD/MMBtu					Panhandle Eastern	Panhandle FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Panhandle	ICE	Phys	ID	USD/MMBtu	IF		Platts Inside Ferc		Panhandle Eastern	Panhandle FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100

NG Phys FUT, ID, GDD	PG&E-Citygate	ICE	Phys	ID	USD/MMBtu	GDD			Platts Gas Daily	Pacific Gas and Electric Company	Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	PG&E-Citygate	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Pacific Gas and Electric Company	Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	PG&E-Citygate	ICE	Phys	FP	USD/MMBtu					Pacific Gas and Electric Company	Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, NGI	PG&E-Citygate	ICE	Phys	ID	USD/MMBtu	NGI			NGI	Pacific Gas and Electric Company	Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Ruby-Malin	ICE	Phys	ID	USD/MMBtu	GDD	NGX AB-NIT Month Ahead (7A CAD)		Platts Gas Daily (PG&E Malin, Ore.)	Gas Transmission Northwest Corporation OR Pacific Gas and Electric Company	Transmission Northwest FERC Gas Tariff OR Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Ruby-Malin	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Gas Transmission Northwest Corporation OR Pacific Gas and Electric Company	Transmission Northwest FERC Gas Tariff OR Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Ruby-Malin	ICE	Phys	FP	USD/MMBtu					Gas Transmission Northwest Corporation OR Pacific Gas and Electric Company	Transmission Northwest FERC Gas Tariff OR Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, NGI	Ruby-Malin	ICE	Phys	ID	USD/MMBtu	NGI			NGI (California Malin)	Gas Transmission Northwest Corporation OR Pacific Gas and Electric Company	Transmission Northwest FERC Gas Tariff OR Pacific Gas and Electric Company Tariff Book	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	Socal Citygate	ICE	Phys	ID	USD/MMBtu	GDD			Platts Gas Daily	Southern California Gas Co	CPUC tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	Socal Citygate	ICE	Phys	ID	USD/MMBtu	IF			NGI	Southern California Gas Co	CPUC tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	Socal Citygate	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Southern California Gas Co	CPUC tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	Socal Citygate	ICE	Phys	FP	USD/MMBtu					Southern California Gas Co	CPUC tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	TCO IPP Pool (appalachia)	ICE	Phys	ID	USD/MMBtu	GDD	NGX AB-NIT Month Ahead (7A CAD)		Platts Gas Daily	Columbia Gas Transmission	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	TCO IPP Pool (appalachia)	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Columbia Gas Transmission	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	TCO IPP Pool (appalachia)	ICE	Phys	FP	USD/MMBtu					Columbia Gas Transmission	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	TCO IPP Pool (appalachia)	ICE	Phys	ID	USD/MMBtu	IF			Platts Inside Ferc	Columbia Gas Transmission	Columbia FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	TETCO ELA	ICE	Phys	ID	USD/Mmbtu	GDD			Platt's Gas Daily	Texas Eastern Transmission Corp	Texas Eastern Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	TETCO ELA	ICE	Phys	BS	USD/Mmbtu	LD1			NYMEX last day	Texas Eastern Transmission Corp	Texas Eastern Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	TETCO ELA	ICE	Phys	FP	USD/Mmbtu					Texas Eastern Transmission Corp	Texas Eastern Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	TETCO ELA	ICE	Phys	ID	USD/Mmbtu	IF			Platt's Inside FERC	Texas Eastern Transmission Corp	Texas Eastern Ferc Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD	TETCO M1-30	ICE	Phys	ID	USD/MMBtu	GDD			Platt's Gas Daily	Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1	TETCO M1-30	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, FP	TETCO M1-30	ICE	Phys	FP	USD/MMBtu					Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, IF	TETCO M1-30	ICE	Phys	ID	USD/MMBtu	IF			Platt's Inside FERC	Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, ID, GDD ^{AD}	TETCO M3	ICE	Phys	ID	USD/MMBtu	GDD			Platt's Gas Daily	Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100
NG Phys FUT, BS, LD1 ^{AD}	TETCO M3	ICE	Phys	BS	USD/MMBtu	LD1			NYMEX last day	Texas Eastern Transmission Corp	Texas Eastern FERC Gas Tariff	Physically Settled Future	Physically Settled Future	100

NGX ELECTRICITY PRODUCTS- CANADA

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Accessed via WebICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP)	Minimum Futures Block Size (Mwh)
NGX Fin FUT FF, FP for AESO Ext Off Peak	AB Ext Off Peak	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	40
NGX Fin FUT FF, FP for AESO Ext Peak	AB Ext Peak	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	80
NGX Fin FUT IS Ext Peak, AESO for RRO	AB Ext Peak Index	NGX	Fin	ID	CAD/MWh	AEFP	NGX Alberta Extended Peak Electricity RRO	AESO	Exchange's Website	Financially Settled Future	Financially Settled Future	80
NGX Fin FUT FF, FP for AESO Flat	AB Flat	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	120
NGX Fin FUT IS Flat, AESO for RRO	AB Flat Index	NGX	Fin	ID	CAD/MWh	AEFP	NGX Alberta Flat Electricity RRO	AESO	Exchange's Website	Financially Settled Future	Financially Settled Future	120
NGX Fin FUT FF, FP for AESO Off Peak	AB Off Peak	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	40
NGX Fin FUT FF, FP for AESO OnPeak	AB On Peak	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	80
NGX Fin FUT FF, FP for AESO Super Peak	AB Super Peak	NGX	Fin	FP	CAD/MWh		AEFP		AESO	Financially Settled Future	Financially Settled Future	30
NGX Fin FUT FF, FP for IESO Ext Off Peak	ON Ext Off Peak	NGX	Fin	FP	CAD/MWh		HOEP		IESO	Financially Settled Future	Financially Settled Future	40
NGX Fin FUT FF, FP for IESO Ext Peak	ON Ext Peak	NGX	Fin	FP	CAD/MWh		HOEP		IESO	Financially Settled Future	Financially Settled Future	80
NGX Fin FUT FF, FP for IESO Flat	ON Flat	NGX	Fin	FP	CAD/MWh		HOEP		IESO	Financially Settled Future	Financially Settled Future	120
NGX Fin FUT FF, FP for IESO Off Peak	ON Off Peak	NGX	Fin	FP	CAD/MWh		HOEP		IESO	Financially Settled Future	Financially Settled Future	40
NGX Fin FUT FF, FP for IESO Peak	ON On Peak	NGX	Fin	FP	CAD/MWh		HOEP		IESO	Financially Settled Future	Financially Settled Future	80
NGX Fin FUT FF, FP for AESO Hourly	AB Hourly	NGX	Fin	FP	CAD/MWh		AEFP	AESO	AESO	Financially Settled Future	Financially Settled Future	5

TOTAL CAD Electricity Financial Futures

NGX PHYSICAL POWER PRODUCTS- U.S.

Product Name on ICE	NGX Product=NGX NGX Cleared Product=			Product Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1	Index 2	Hub Operator or U.S. Hub Operator	Tariff	Accessed via WebICE and trades/Clears as	OTC Clears thru DCO as	Minimum Futures Block Size
	Hub Name	Cleared	Phys or Fin									NGX: Physically Settled Future	(EFRP) Physically Settled Future	(MWh) 25
Phys FUT, FP, Peak	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 7-11	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC	North 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Peak	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, WRAP	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, HE 12-22	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, ATC	South 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Peak	Houston 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Peak	Houston 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25
Phys FUT, FP, Off Pk Wknd	Houston 345kV Hub	ICE	Phys	FP	USD/MWh					ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25

Phys FUT, HR, Peak	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, Off Peak	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, Off Pk Wknd	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, WRAP	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, HE 12-22	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, ATC	Houston 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, Peak	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, Off Peak	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, Off Pk Wknd	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, WRAP	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, HR, HE 12-22	West 345kV Hub	ICE	Phys	HR	MMbtu/MWh	NYMEX NG	NYMEX last day	ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, Peak	North Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
X Fin FUT SS, FP for Day Ahead NGX											Physically Settled	Physically Settled	
Phys FUT, FP, WRAP	North Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, Peak	South Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, WRAP	South Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, Peak	Houston Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, WRAP	Houston Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, Peak	West Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	
Phys FUT, FP, WRAP	West Load Zone	ICE	Phys	FP	USD/MWh			ERCOT	ERCOT Protocols	Physically Settled Future	Physically Settled Future	25	

NGX OIL PRODUCTS

Product Name on ICE	Hub Name	NGX Product = NGX; NGX Cleared Product = ICE	Phys or Fin	Product Type	Crude Type	Unit/ Currency	Floating Price - Index 1	Floating Price - Index 2	Index 1 Publication	Index 2 Publication	Hub Operator or U.S. Hub Operator	Tariff	Accessed via WebICE and trades/Clears as NGX:	OTC Clears thru DCO As (EFRP):	NGX Bilateral trades on NGX as:	Minimum Futures Block Size (m3)
AHS FUT	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	AHS	USD/BBL	WTI		NYMEX		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
BR FUT	Hardisty - Gibson	NGX	Phys	ID	BR	USD/BBL	WTI		NYMEX		Gibson Energy ULC		Physically Settled Future	Physically Settled Future	N/A	100
BR FUT	Milk River - Bow River South	NGX	Phys	ID	BR	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A	100
C5 FUT	Edmonton - Federated	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
C5 FUT	Edmonton - Fort Saskatchewan	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Keyera Energy Ltd.		Physically Settled Future	Physically Settled Future	N/A	100
C5 FUT	Edmonton - Peace	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
C5 FUT	Edmonton - Pembina	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
C5 FUT	Edmonton - Rangeland	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A	100
C5 TMX 1a FUT	Edmonton - Federated	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
C5 TMX 1a FUT	Edmonton - Fort Saskatchewan	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Keyera Energy Ltd.		Physically Settled Future	Physically Settled Future	N/A	100
C5 TMX 1a FUT	Edmonton - Peace	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
C5 TMX 1a FUT	Edmonton - Pembina	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100

C5 TMX 1a FUT	Edmonton - Rangeland	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A	100
CAL FUT	Edmonton - Central Alberta	NGX	Phys	ID	CAL	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		Physically Settled Future	Physically Settled Future	N/A	100
CLK FUT	Edmonton - Cold Lake	NGX	Phys	ID	CLK	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		Physically Settled Future	Physically Settled Future	N/A	100
CLK FUT	Hardisty - Cold Lake	NGX	Phys	ID	CLK	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		Physically Settled Future	Physically Settled Future	N/A	100
LLB FUT	Hardisty - Husky	NGX	Phys	ID	LLB	USD/BBL	WTI		NYMEX		Husky Energy Inc.		Physically Settled Future	Physically Settled Future	N/A	100
LLE FUT	Hardisty - Gibson	NGX	Phys	ID	LLE	USD/BBL	WTI		NYMEX		Gibson Energy ULC		Physically Settled Future	Physically Settled Future	N/A	100
LLG FUT	Hardisty - Gibson	NGX	Phys	ID	LLG	USD/BBL	WTI		NYMEX		Gibson Energy ULC		Physically Settled Future	Physically Settled Future	N/A	100
LLK FUT	Kerrobert - Manito/Enbridge	NGX	Phys	ID	LLK	USD/BBL	WTI		NYMEX		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
LSB FUT	Cromer - Enbridge	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
LSB FUT	Cromer - Westspur	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Pipelines (Saskatchewan) Inc.		Physically Settled Future	Physically Settled Future	N/A	100
LSB TMX 1a FUT	Cromer - Enbridge	NGX	Phys	ID	LSB TMX	USD/BBL	TMX LSB 1a		Exchange's Website		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
LSB TMX 1a FUT	Cromer - Westspur	NGX	Phys	ID	LSB TMX	USD/BBL	TMX LSB 1a		Exchange's Website		Enbridge Pipelines (Saskatchewan) Inc.		Physically Settled Future	Physically Settled Future	N/A	100
M FUT	Cromer - Westspur	NGX	Phys	ID	M	USD/BBL	WTI		NYMEX		Enbridge Pipelines (Saskatchewan) Inc.		Physically Settled Future	Physically Settled Future	N/A	100
M TMX 1a FUT	Cromer - Westspur	NGX	Phys	ID	M TMX 1a	USD/BBL	TMX M 1a		Exchange's Website		Enbridge Pipelines (Saskatchewan) Inc.		Physically Settled Future	Physically Settled Future	N/A	100
SHE FUT	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SHE	USD/BBL	WTI		NYMEX		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
SLE FUT	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SLE	USD/BBL	WTI		NYMEX		Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100

SO FUT	Edmonton - Bonnie Glen	NGX	Phys	ID	SO	USD/BBL	WTI				Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SO FUT	Edmonton - Peace	NGX	Phys	ID	SO	USD/BBL	WTI			NYMEX	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SO FUT	Hardisty - Gibson	NGX	Phys	ID	SO	USD/BBL	WTI			NYMEX	Gibson Energy ULC		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Bonnie Glen	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Federated	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Peace	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Pembina	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Rainbow	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A	100
SW FUT	Edmonton - Rangeland	NGX	Phys	ID	SW	USD/BBL	WTI			NYMEX	Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A	100
SW TMX 1a FUT	Edmonton - Bonnie Glen	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a			Exchange's Website	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW TMX 1a FUT	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a			Exchange's Website	Enbridge Inc.		Physically Settled Future	Physically Settled Future	N/A	100
SW TMX 1a FUT	Edmonton - Federated	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a			Exchange's Website	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW TMX 1a FUT	Edmonton - Peace	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a			Exchange's Website	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100
SW TMX 1a FUT	Edmonton - Pembina	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a			Exchange's Website	Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A	100

SW TMX 1a FUT	Edmonton - Rainbow	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A		100
SW TMX 1a FUT	Edmonton - Rangeland	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A		100
SYN FUT	Edmonton - Alberta Oilsands	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A		100
SYN TMX 1a FUT	Edmonton - Alberta Oilsands	NGX	Phys	ID	SYN TMX	USD/BBL	TMX SYN 1a		Exchange's Website		Pembina Pipeline Corporation		Physically Settled Future	Physically Settled Future	N/A		100
WCB FUT	Hardisty - Husky	NGX	Phys	ID	WCB	USD/BBL	WTI		NYMEX		Husky Energy Inc.		Physically Settled Future	Physically Settled Future	N/A		100
WCS FUT	Hardisty - Husky	NGX	Phys	ID	WCS	USD/BBL	WTI		NYMEX		Husky Energy Inc.		Physically Settled Future	Physically Settled Future	N/A		100
WCS TMX 1a FUT	Hardisty - Husky	NGX	Phys	ID	WCS TMX	USD/BBL	TMX WCS 1a		Exchange's Website		Husky Energy Inc.		Physically Settled Future	Physically Settled Future	N/A		100
WH FUT	Edmonton - Rainbow	NGX	Phys	ID	WH	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		Physically Settled Future	Physically Settled Future	N/A		100
AHS FWD	Edmonton - Enbridge In-Line	NGX	Phys	ID	AHS	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward		N/A
AHS FWD	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	AHS	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward		N/A
AHS FWD	Edmonton - Transmountain	NGX	Phys	ID	AHS	USD/BBL	WTI		NYMEX		Kinder Morgan Energy Partners, L.P.		N/A	N/A	Forward		N/A
BR	Hardisty - Gibson	NGX	Phys	ID	BR	USD/BBL	WTI		NYMEX		Gibson Energy ULC		N/A	N/A	Forward		N/A
BR	Milk River - Bow River South	NGX	Phys	ID	BR	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward		N/A
C5	Edmonton - Enbridge In-Line	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward		N/A
C5	Edmonton - Federated	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward		N/A
C5	Edmonton - Fort Saskatchewan	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Keyera Energy Ltd.		N/A	N/A	Forward		N/A

C5	Edmonton - Peace	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
C5	Edmonton - Pembina	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
C5	Edmonton - Rangeland	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
C5	Edmonton - Rimbey	NGX	Phys	ID	C5	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
C5 BLX 1a	Edmonton - Fort Saskatchewan	NGX	Phys	ID	C5 BLX 1a	USD/BBL	WTI		NYMEX		Keyera Energy Ltd.		N/A	N/A	Forward	N/A
C5 TMX 1a	Edmonton - Federated	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
C5 TMX 1a	Edmonton - Fort Saskatchewan	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Keyera Energy Ltd.		N/A	N/A	Forward	N/A
C5 TMX 1a	Edmonton - Peace	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
C5 TMX 1a	Edmonton - Pembina	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
C5 TMX 1a	Edmonton - Rangeland	NGX	Phys	ID	C5 TMX 1a	USD/BBL	TMX C5 1a		Exchange's Website		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
CAL	Edmonton - Central Alberta	NGX	Phys	ID	CAL	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		N/A	N/A	Forward	N/A
CLK	Edmonton - Cold Lake	NGX	Phys	ID	CLK	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		N/A	N/A	Forward	N/A
CLK	Hardisty - Cold Lake	NGX	Phys	ID	CLK	USD/BBL	WTI		NYMEX		Inter Pipeline Fund		N/A	N/A	Forward	N/A
CLK TMX 1a	Edmonton - Cold Lake	NGX	Phys	ID	CLK TMX 1a	USD/BBL	TMX WCS 1a		Exchange's Website		Inter Pipeline Fund		N/A	N/A	Forward	N/A
CLK	Edmonton - Enbridge In-Line	NGX	Phys	ID	CLK	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
CLK	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	CLK	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A

CLK TMX 1a	Hardisty - Cold Lake	NGX	Phys	ID	CLK TMX 1a WCS	USD/BBL	TMX WCS 1a		Exchange's Website		Inter Pipeline Fund		N/A	N/A	Forward	N/A
CLK	Hardisty - Enbridge In-Line	NGX	Phys	ID	CLK	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
CLK	Hardisty - Enbridge Transfer at Source	NGX	Phys	ID	CLK	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
CNS	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	CNS	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
CNS	Edmonton - Horizon	NGX	Phys	ID	CNS	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
FH	Regina - Enbridge In-Line	NGX	Phys	ID	FH	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
FH	Regina - Enbridge Transfer at Source	NGX	Phys	ID	FH	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
FH	Regina - Plains	NGX	Phys	ID	FH	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
FH	Regina - South Saskatchewan	NGX	Phys	ID	FH	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
HSB	Edmonton - Enbridge In-Line	NGX	Phys	ID	HSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
HSB	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	HSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
HSB	Hardisty - Enbridge Transfer at Source	NGX	Phys	ID	HSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
HSB	Hardisty - Enbridge In-Line	NGX	Phys	ID	HSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LLB	Hardisty - Enbridge In-Line	NGX	Phys	ID	LLB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LLB	Hardisty - Enbridge Transfer at Source	NGX	Phys	ID	LLB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LLB	Hardisty - Husky	NGX	Phys	ID	LLB	USD/BBL	WTI		NYMEX		Husky Energy Inc.		N/A	N/A	Forward	N/A
LLE	Hardisty - Gibson	NGX	Phys	ID	LLE	USD/BBL	WTI		NYMEX		Gibson Energy ULC		N/A	N/A	Forward	N/A
LLG	Hardisty - Gibson	NGX	Phys	ID	LLG	USD/BBL	WTI		NYMEX		Gibson Energy ULC		N/A	N/A	Forward	N/A
LLK	Kerrobert - Enbridge In-Line	NGX	Phys	ID	LLK	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LLK	Kerrobert - Manito/Enbridge	NGX	Phys	ID	LLK	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LSB	Cromer - Enbridge	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A

LSB	Cromer - Enbridge In-Line	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
LSB	Cromer - Virden	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Pipelines (Saskatchewan) Inc.		N/A	N/A	Forward	N/A
LSB	Cromer - Westspur	NGX	Phys	ID	LSB	USD/BBL	WTI		NYMEX		Enbridge Pipelines (Saskatchewan) Inc.		N/A	N/A	Forward	N/A
LSB TMX 1a	Cromer - Enbridge	NGX	Phys	ID	LSB TMX	USD/BBL	TMX LSB 1a		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
LSB TMX 1a	Cromer - Westspur	NGX	Phys	ID	LSB TMX	USD/BBL	TMX LSB 1a		Exchange's Website		Enbridge Pipelines (Saskatchewan) Inc.		N/A	N/A	Forward	N/A
M	Cromer - Westspur	NGX	Phys	ID	M	USD/BBL	WTI		NYMEX		Enbridge Pipelines (Saskatchewan) Inc.		N/A	N/A	Forward	N/A
M TMX 1a	Cromer - Westspur	NGX	Phys	ID	M TMX 1a	USD/BBL	TMX M 1a		Exchange's Website		Enbridge Pipelines (Saskatchewan) Inc.		N/A	N/A	Forward	N/A
PAS	Edmonton - Enbridge In-Line	NGX	Phys	ID	PAS	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
PAS	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	PAS	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SC	Kerrobert - Mid Sask	NGX	Phys	ID	SC	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SHB	Edmonton - Enbridge In-Line	NGX	Phys	ID	SHB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SHB	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SHB	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SHE	Edmonton - Enbridge In-Line	NGX	Phys	ID	SHE	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SHE	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SHE	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SLE	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SLE	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SO	Edmonton - Bonnie Glen	NGX	Phys	ID	SO	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SO	Edmonton - Peace	NGX	Phys	ID	SO	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SO	Hardisty - Gibson	NGX	Phys	ID	SO	USD/BBL	WTI		NYMEX		Gibson Energy ULC		N/A	N/A	Forward	N/A

SW	Cromer - Enbridge	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Cromer - Enbridge In-Line	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Edmonton - Bonnie Glen	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW	Edmonton - Enbridge In-Line	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Edmonton - Federated	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW	Edmonton - Pembina	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW	Edmonton - Rainbow	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
SW	Edmonton - Rangeland	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
SW	Edmonton - Transmountain	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Kinder Morgan Energy Partners, L.P.		N/A	N/A	Forward	N/A
SW	Edmonton - Wizard Lake	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW	Hardisty - Enbridge Contract Terminal	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Kerrobert - Enbridge In-Line	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW	Edmonton - Peace	NGX	Phys	ID	SW	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW BLX 1a	Edmonton - Enbridge In-Line	NGX	Phys	ID	SW BLX 1a	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW BLX 1a	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SW BLX 1a	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Bonnie Glen	NGX	Phys	ID	SW TMX 1a	USD/BBL	TMX SW 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SW TMX 1a	USD/BBL	TMX SW 1a		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A

SW TMX 1a	Edmonton - Federated	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Peace	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Pembina	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Rainbow	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
SW TMX 1a	Edmonton - Rangeland	NGX	Phys	ID	SW TMX 1	USD/BBL	TMX SW 1a		Exchange's Website		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A
SYN	Edmonton - Alberta Oilsands	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SYN	Edmonton - Enbridge In-Line	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SYN	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SYN	Edmonton - Transmountain	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Kinder Morgan Energy Partners, L.P.		N/A	N/A	Forward	N/A
SYN	Hardisty - Enbridge Contract Terminal	NGX	Phys	ID	SYN	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SYN BLX 1a	Edmonton - Alberta Oilsands	NGX	Phys	ID	SYN BLX 1	USD/BBL	WTI		NYMEX		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
SYN BLX 1a	Edmonton - Enbridge In-Line	NGX	Phys	ID	SYN BLX 1	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SYN BLX 1a	Edmonton - Enbridge Transfer at Source	NGX	Phys	ID	SYN BLX 1	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
SYN TMX 1a	Edmonton - Alberta Oilsands	NGX	Phys	ID	SYN TMX	USD/BBL	TMX SYN 1a		Exchange's Website		Pembina Pipeline Corporation		N/A	N/A	Forward	N/A
UHC	Clearbrook - Enbridge In-Line	NGX	Phys	ID	UHC	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
UHC	Clearbrook - Enbridge North Dakota	NGX	Phys	ID	UHC	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A
UHC	Clearbrook - Enbridge Transfer at Source	NGX	Phys	ID	UHC	USD/BBL	WTI		NYMEX		Enbridge Inc.		N/A	N/A	Forward	N/A

WCB	Hardisty - Husky	NGX	Phys	ID	WCB	USD/BBL	WTI		NYMEX		Husky Energy Inc.		N/A	N/A	Forward	N/A
WCS	Hardisty - Husky	NGX	Phys	ID	WCS	USD/BBL	WTI		NYMEX		Husky Energy Inc.		N/A	N/A	Forward	N/A
WCS BLX 1a	Hardisty - Husky	NGX	Phys	ID	WCS BLX	USD/BBL	BLX WCS 1a				Husky Energy Inc.		N/A	N/A	Forward	N/A
WCS BLX 1b	Hardisty - Husky	NGX	Phys	ID	WCS BLX	USD/BBL	BLX WCS 1b				Husky Energy Inc.		N/A	N/A	Forward	N/A
WCS	Hardisty - Enbridge In-Line	NGX	Phys	ID	WCS	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
WCS	Hardisty - Enbridge Transfer at Source	NGX	Phys	ID	WCS	USD/BBL	WTI		Exchange's Website		Enbridge Inc.		N/A	N/A	Forward	N/A
WCS TMX 1a	Hardisty - Husky	NGX	Phys	ID	WCS TMX	USD/BBL	TMX WCS 1a		Exchange's Website		Husky Energy Inc.		N/A	N/A	Forward	N/A
WCS TMX 1b	Hardisty - Husky	NGX	Phys	ID	WCS TMX	USD/BBL	TMX WCS 1b		Exchange's Website		Husky Energy Inc.		N/A	N/A	Forward	N/A
WH	Edmonton - Rainbow	NGX	Phys	ID	WH	USD/BBL	WTI		NYMEX		Plains Midstream Canada ULC		N/A	N/A	Forward	N/A

**TOTAL Oil
Physical
Futures**

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(April 19, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties)

**SCHEDULE "K" – PHYSICALLY SETTLED
POWER FUTURES TRANSACTIONS**

1. PRODUCT AVAILABILITY

This Schedule "K" contains clearing and settlement provisions for all Physically Settled Power Futures Products offered at U.S. Delivery Points that are listed on the NGX Product List and designated as cleared through the NGX Clearing system.

2. RELATIONSHIP TO AGREEMENT

Nothing in this Schedule "K" will impair the rights or obligations of Exchange or the rights or obligations of the Contracting Party pursuant to this Agreement. Any Contracting Party which is a party to a Physically Settled Power Futures Transaction entered into at a U.S. Delivery Point hereby agrees that any such Physically Settled Power Futures Transaction includes the provisions of this Schedule "K" and is subject to the terms of this Agreement.

3. PRE-DELIVERY PROCEDURES

To transact Physically Settled Power Futures Products with NGX, Contracting Party must represent and, if requested demonstrate, that it is in good standing with: (i) FERC if it is engaging in interstate transmissions, and/or (ii) PUCT or the state regulatory authority in the locations in which the Contracting Party intends to transact, as applicable. Contracting Party must be capable, either directly or via agent, of scheduling energy or other ancillary products (i.e., physical capacity products) in accordance with the tariffs of the Transmission Provider(s). If Contracting Party proposes to schedule through an agent, Exchange must be satisfied as to: (i) the validity of the appointment of the agent; and (ii) the enforceability of Contracting Party's Obligations pursuant to the Agreement, notwithstanding the agent appointment.

4. DELIVERY PROCEDURES - ERCOT

With respect to Physically Settled Power Futures Transactions, on each day, Exchange and/or the Contracting Parties, as applicable, depending upon the Transmission Provider's requirements at any U.S. Delivery Point, will submit schedules for the delivery or receipt of Physical Power under all such Physically Settled Power Futures Transactions as follows:

- f. each Contracting Party with an Hourly Contract Quantity to be delivered or to be taken at one or more U.S. Delivery Points will submit schedules for each Hourly Contract Quantity to the applicable Transmission Provider(s) at or prior to 12:30 p.m. on the day prior to the Physical Power Delivery Day;
- g. Exchange will, for each Contracting Party, offset the Hourly Contract Quantities due for delivery on a Physical Power Delivery Day against the Hourly Contract Quantities due to be taken on a Physical Power Delivery Day for all Physically Settled Power Futures Transactions to determine a net Hourly Contract Quantity at each of the U.S. Delivery Points;
- h. Exchange will submit schedules to the applicable Transmission Provider for all net Hourly Contract Quantities of Physical Power to be delivered or to be taken at the applicable U.S. Delivery Point in a 24 hour period, at or prior to 12:30 p.m. on the day prior to the Physical Power Delivery Day.

**5. PERFORMANCE OF THE PHYSICALLY SETTLED POWER FUTURES TRANSACTIONS -
ERCOT**

The Physically Settled Power Futures Transactions at the applicable U.S. Delivery Points will be performed between the Contracting Party and the Exchange as follows:

By the Contracting Party:

- iii. upon the acceptance of the schedules by the applicable Transmission Provider for the net Hourly Contract Quantities of Power scheduled for delivery or take at the U.S. Delivery Points; and
- iv. by the payment to Exchange, as applicable, of the Invoice amounts for the Physically Settled Power Futures Transactions at the U.S. Delivery Points.

By Exchange:

- iii. upon the acceptance of the schedules by the applicable Transmission Provider for the net Hourly Contract Quantities of Physical Power scheduled for delivery or take at the U.S. Delivery Points; and
- iv. by the payment to the applicable Contracting Party of the Invoice amounts for the Physically Settled Power Futures Transactions at the U.S. Delivery Points.

6. PROCEDURES ON NON-PERFORMANCE - ERCOT

(i) Non-Performance by Seller or Buyer

If Seller or Buyer's schedule is not in balance at or prior to 2:30 p.m. on the day following the Physical Power Delivery Day with respect to all or part of the Physical Power in a Physically Settled Power Futures Transaction, which results in the Exchange incurring costs equal to one or all of the amounts set out in Sections 5.1.a. or 5.3.a. of this Agreement, then, Exchange may:

- a. liquidate any collateral held by it on behalf of the Contracting Party;
- b. make an immediate demand for further collateral from the Contracting Party;
- c. accelerate the invoicing period such that a Contracting Party is Invoiced immediately for such costs incurred by the Exchange (which Invoiced amount may include an excess amount to be held pending receipt of final invoices from the Transmission Provider), such Invoices to be payable within two business days of receipt;
- d. impose an administrative cash penalty upon the Contracting Party; and
- e. take any other steps that it deems to be reasonable and necessary in order to recoup from the Contracting Party on an expedited basis any costs incurred by the Exchange.

For greater clarity, in the case of Physically Settled Power Futures Transactions Exchange may take any of the steps set out above prior to declaring that a Contracting Party is in Default.

(ii) Contracting Party in Default

In addition to the rights of the Exchange set out in Section 6.(i) above, with respect to any Failure to Schedule to Deliver or Failure to Schedule to Take Exchange may determine in its sole discretion that such party is in Default in accordance with the terms of Section 5.5 of the Terms and Conditions.

7. TITLE

- d. From Seller - Title to Physical Power delivered at any U.S. Delivery Point under any Physically Settled Power Futures Transaction shall pass from the Seller to Exchange at the receipt point specified in any Physically Settled Power Futures Transaction.
- e. To Buyer - Title to Physical Power delivered at any U.S. Delivery Point under any Physically Settled Power Futures Transaction shall pass from Exchange to the Buyer at the receipt point specified in any Physically Settled Power Futures Transaction.
- f. Regarding Exchange - In no event shall this Agreement be construed in a manner whereby risk of loss of Physical Power delivered under any Physically Settled Power Futures Transaction would be held, or be deemed to be held, by Exchange in acting as the intermediate title holder for the purposes of facilitating transfer of title from Buyer to Seller. The transfers of title from the Seller to the Exchange and the Exchange to the Buyer are deemed to occur concurrently.

8. REPRESENTATIONS AND WARRANTIES OF THE CONTRACTING PARTY

- a. The Contracting Party represents and warrants in respect of any Physically Settled Power Futures Transaction entered into by such Contracting Party that at the time of delivery or receipt:
 - e. If it is the Seller:
 - i. it owns and has title to Physical Power, or has the irrevocable authority to sell Physical Power as set out in Section 8.b.ii.;
 - ii. it has the full right and authority to sell Physical Power;
 - iii. any Physical Power delivered to Exchange shall be free from all royalty payments, Liens or encumbrances whatsoever; and
 - iv. it has all necessary rights and entitlements with the applicable state regulatory authority and/or FERC, as applicable, for the delivery of Physical Power at the applicable Delivery Point.
 - f. If the Buyer:
 - i. it has the full right and authority to purchase Physical Power; and
 - ii. it has all necessary rights and entitlements with the applicable state regulatory authority and FERC, as applicable, to take Physical Power at the applicable Delivery Point.

9. LIABILITY

- e. Full Satisfaction - Upon payment, in accordance with this Agreement, of the amounts required to be paid by Exchange or the Contracting Party, as the case may be, in respect of any Failure to schedule or Failure to Pay in respect of such Physically Settled Power Futures Transaction, Exchange or such Contracting Party shall have no further liability under such Physically Settled Power Futures Transaction or this Agreement in respect of any such Failure to schedule or Failure to Pay.
- f. No Indirect Damages - Other than as specifically set forth in this Agreement, in no event shall Exchange or a party to a Physically Settled Power Futures Transaction be liable under this Agreement or any Physically Settled Power Futures Transaction for any special, consequential or

indirect damages or claims, including without limitation, loss of profits or revenues, cost of capital or claims of any of the suppliers or customers of the Contracting Party arising out of any Failure to schedule or Failure to Pay, or any other matter for which liability may be assessed under this Agreement or any Physically Settled Power Futures Transaction.

10. FORCE MAJEURE

- a. A force majeure event ("Force Majeure Event") may be declared by Exchange in its sole discretion at one of the U.S. Delivery Points if: (i) the Transmission Provider declares a Force Majeure Event or an emergency event, or materially curtails or interrupts Physical Power delivery at a U.S. Delivery Point which affects a material number of Contracting Parties, or (ii) if an event occurs that materially affects the ability of a material number of Contracting Parties to meet their Obligations that is beyond the control of the Contracting Parties.
- b. For clarity, Exchange will not declare a Force Majeure Event to the extent performance is affected by any of the following circumstances: (i) the economic hardship of a Contracting Party, including but not limited to, transmission constraint issues, the Seller's ability to sell Power at a better price than the Purchase Price, or the Buyer's ability to purchase Power at a better price than the Purchase Price, or a regulatory authority disallowing either in whole or in the part, the pass through of costs resulting from this Agreement; or (ii) the loss of the Buyer's market or the Buyer's ability to use or resell Power purchased under this Agreement.
- c. On any day that a Force Majeure Event is declared at one of the U.S. Delivery Points, the Exchange's and the Contracting Party's respective obligations to schedule Physical Power pursuant to all Physically Settled Power Futures Transactions at that U.S. Delivery Point shall be revised or cancelled, as appropriate. Any Physically Settled Power Futures Products affected by the Force Majeure Event may be halted from trading for the duration of the Force Majeure Event.

11. PROCEDURES ON FORCE MAJEURE EVENT

- e. Investigation - Exchange will, in consultation with the applicable Transmission Provider, if necessary, make a determination of whether a Force Majeure Event exists and an estimate of its probable duration.
- f. Notice to Contracting Parties - If a Force Majeure Event is determined by Exchange to exist (the "Force Majeure Declaration"), all affected Contracting Parties will be immediately notified by phone, fax or email:
 - i. that the Force Majeure Declaration has been made;
 - ii. the revision or cancellation in relevant Obligations; and
 - iii. which Products, if any, will be halted from trading.
- g. Title Transfer - The Seller, Buyer and Exchange will make all necessary changes to the applicable schedules to reflect the reduced obligations.
- h. Further Notice - Exchange will promptly advise the affected Contracting Parties of any material changes to the Force Majeure Declaration.

12. INVOICE AMOUNT

Subject to any accelerated invoicing that occurs in respect of a failure of performance by the Buyer or Seller set out in Section 6 of this Schedule "K", Exchange will determine the amounts owing or payable

by a Contracting Party on a monthly basis for scheduled Physical Power for the U.S. Delivery Points as follows:

- e. by multiplying:
 - v. Contract Quantity of Power scheduled at each of the U.S. Delivery Points under all Physically Settled Power Futures Transactions for each Delivery Day of the given Month expressed in MWH; by
 - vi. the Physical Power Purchase Price for all Physically Settled Power Futures Transactions for such Month; plus
- f. all fees as outlined in the Fee schedule; plus
- g. any fees charged to Exchange by any Transmission Providers for the schedules pertaining to the delivery of Physical Power under all such Physically Settled Power Futures Transactions that have not been recovered by Exchange, which may include costs as set out in Section 7 of this Schedule "K" or amounts set out in Sections 5.1, 5.2, or 5.3 of the Terms and Conditions; plus
- h. any applicable taxes pursuant to Section 7 of the Terms and Conditions.

13. INTERPRETATION

- d. All times referred to are to Central Prevailing Time.
- e. All amounts of money referred to herein or in this Agreement in respect of the U.S. Delivery Points are in U.S. dollars.
- f. Capitalized words and phrases used in this schedule and not defined in this schedule will have the same meaning as set forth in this Agreement.

14. DEFINITIONS

- m. "Delivery Hour" means an hour, commencing at a particular time in a day, and ending 60 minutes later in a day, at which Physical Power is scheduled as required by a Physically Settled Power Futures Transaction;
- n. "ERCOT" means the Electric Reliability Council of Texas.
- o. "FERC" means the United States Federal Energy Regulation Commission;
- p. "Force Majeure Event" for Physical Power has the meaning ascribed thereto in Section 10 of this Schedule "K";
- q. "Hourly Contract Quantity" means the quantity of Physical Power to be delivered or taken during each Delivery Hour of a Physically Settled Power Futures Transaction;
- r. "MWH" means megawatt hours;
- s. "Month" means a month commencing on the first day of a calendar month and ending at the beginning of the next calendar month;
- t. "Physical Power Purchase Price" means the purchase price for Physical Power, expressed in U.S. dollars per MWH; and
- u. "PUCT" means the Public Utilities Commission of Texas.

(August 26, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties.)

~~(May 13, 2013 or such later date as may be designated by Exchange on notice to the Contracting Parties)~~