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New York, NY 10055

**BY ELECTRONIC TRANSMISSION**

Submission No. 16-77  
July 20, 2016

Mr. Christopher J. Kirkpatrick  
Secretary of the Commission  
Office of the Secretariat  
Commodity Futures Trading Commission  
Three Lafayette Centre  
1155 21<sup>st</sup> Street, NW  
Washington, DC 20581

**Re: Amendments to Listing Cycles for Certain Energy Futures Contracts  
Submission Pursuant to Section 5c(c)(1) of the Act and Regulation 40.6(a)**

Dear Mr. Kirkpatrick:

Pursuant to Commodity Futures Trading Commission (“CFTC” or “Commission”) Regulation 40.6(a), ICE Futures U.S., Inc. (“Exchange”) hereby certifies amendments to Subchapters 18A, 18B and 18E of the Exchange’s Rules, as set forth in Exhibit A. The Exchange will implement the amendments on July 5, 2016.

The amendments to the below contracts add the language “or as otherwise determined by the Exchange” to the Listing Cycle definition in order to provide consistency with the other Energy contracts listed by the Exchange, which currently have identical language, and allow the Exchange necessary flexibility in managing its markets:

Rule	Contract Code	Contract Name
18.A.148	IRB	Iroquois (Into) Basis (Platts) Future
18.A.149	IZB	Iroquois-Z2 Basis (Platts) Future
18.A.151	IRS	Iroquois (Into) Swing (Platts) Future
18.A.152	IZS	Iroquois-Z2 Swing (Platts) Future
18.A.154	IRI	Iroquois (Into) Index (Platts) Future
18.A.155	IZI	Iroquois-Z2 Index (Platts) Future
18.A.161	YQB	Transco Leidy Basis Future
18.A.162	YQS	Transco Leidy Swing Future
18.A.163	YQI	Transco Leidy Index Future

18.A.164	DMR	Tennessee Zone 4 300L Basis Future
18.A.165	DMS	Tennessee Zone 4 300L Swing Future
18.A.166	DMQ	Tennessee Zone 4 300L Index Future
18.A.167	DKR	Transco Zone 5 Basis Future
18.A.168	DKS	Transco Zone 5 Swing Future
18.A.169	DKT	Transco Zone 5 Index Future
18.A.170	BM3	TETCO M2 Swing Future (Receipts)
18.A.171	MB4	TETCO M2 Index Future (Receipts)
18.A.172	HHL	Henry LD1 Fixed Price Future 25K
18.A.173	HHP	Henry Penultimate Fixed Price Future 25K
18.A.174	REX	REX Zone 3 Basis Future
18.A.175	REI	REX Zone 3 Index Future
18.A.176	RES	REX Zone 3 Swing Future
18.B.205	ECR	ERCOT Capacity Responsive Reserve Future
18.B.226	PNO	PJM NI Hub Real-Time Off-Peak Mini Fixed Price Future
18.B.228	FNO	SPP North Hub Day-Ahead Off-Peak Fixed Price Future
18.B.229	FNP	SPP North Hub Day-Ahead Peak Fixed Price Future
18.B.230	FSO	SPP South Hub Day-Ahead Off- Peak Fixed Price Future
18.B.231	FSP	SPP South Hub Day-Ahead Peak Fixed Price Future
18.B.241	PAS	PJM AEP Zone Day-Ahead Peak Fixed Price Future
18.B.242	PAT	PJM AEP ZONE Day-Ahead Off-Peak Fixed Price Future
18.B.243	PFN	PJM FE Ohio Day-Ahead Peak Fixed Price Future
18.B.244	PFO	PJM FE Ohio Day-Ahead Off-Peak Fixed Price Future
18.B.249	MDR	MISO Texas Hub Day-Ahead Peak Daily Fixed Price Future
18.B.250	MDS	MISO Texas Hub Day-Ahead Off-Peak Daily Fixed Price Future
18.B.251	SNR	SPP North Hub Day-Ahead Peak Daily Fixed Price Future
18.B.252	SNO	SPP North Hub Day-Ahead Off-Peak Daily Fixed Price Future
18.B.253	SSR	SPP South Hub Real-Time Peak Daily Fixed Price Future
18.B.254	SSO	SPP South Hub Real-Time Off-Peak Daily Fixed Price Future
18.B.255	CIP	CAISO NP-15 Fifteen Minute Marker Peak Daily Fixed Price Future
18.B.256	CIQ	CAISO NP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future
18.B.257	CSY	CAISO SP-15 Fifteen Minute Marker Peak Daily Fixed Price Future
18.B.258	CSZ	CAISO SP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future
18.B.259	ENS	ERCOT Non-Spinning Reserve Future
18.B.260	ERL	ERCOT Regulation DOWN Future
18.B.261	ERK	ERCOT Regulation UP Future
18.B.262	NRN	NYISO Zone G Real-Time Peak Daily Fixed Price Future
18.B.263	NRQ	NYISO Zone G Real-Time Off-Peak Daily Fixed Price Future
18.B.264	NRR	NYISO Zone A Real-Time Peak Daily Fixed Price Future
18.B.265	NRS	NYISO Zone A Real-Time Off-Peak Daily Fixed Price Future
18.B.266	NDL	NYISO Zone D Day-Ahead Peak Daily Fixed Price Future
18.B.267	NDM	NYISO Zone D Day-Ahead Off-Peak Daily Fixed Price Future
18.B.268	NDR	NYISO ZONE D DAY-AHEAD PEAK FIXED PRICE Future
18.B.269	NDS	NYISO ZONE D DAY-AHEAD OFF-PEAK FIXED PRICE Future
18.B.270	RIY	ISO New England Rhode Island Day-Ahead Peak Fixed Price Future
18.B.291	CAB	CAISO NP-15 Day-Ahead Off-Peak Mini Fixed Price Future
18.B.292	CAA	CAISO NP-15 Day-Ahead Peak Mini Fixed Price Future
18.B.293	INP	Palo Verde Day-Ahead Peak Mini Fixed Price Future
18.B.294	INO	Palo Verde Day-Ahead Off-Peak Mini Fixed Price Future

18.B.295	ETZ	ERCOT West 345KV Real-Time Peak Mini Fixed Price Future
18.B.296	ETW	ERCOT North 345KV Real-Time Peak Mini Fixed Price Future
18.B.297	ETY	ERCOT South 345KV Real-Time Peak Mini Fixed Price Future
18.B.298	ETX	ERCOT Houston 345KV Real-Time Peak Mini Fixed Price Future
18.B.299	NDB	ERCOT North 345KV Day-Ahead Peak Daily 80 MWh Fixed Price Future
18.E.063	HHP	Option on Henry Penultimate Fixed Price Future 25K
18.E.065	NDB	Option on ERCOT North 345KV Day-Ahead Peak Daily 80 MWh Fixed Price Future
18.E.066	PDA	Option on PJM Western Hub Day-Ahead Peak Daily Fixed Price Future
18.E.068	HHR	Calendar Spread Option on Henry Penultimate 4-Month Calendar Spread Future
18.E.069	HHV	Calendar Spread Option on Henry Penultimate 5-Month Calendar Spread Future

The aforementioned contracts are listed on IFUS pursuant to Chapter 18 of the Exchange's Rules, which governs trading of all U.S. Natural Gas, Power, and Environmental futures and options contracts. Furthermore, the contracts are cleared by ICE Clear Europe, a derivatives clearing organization which clears all Exchange-listed Energy contracts; and the Exchange's Market Regulation staff performs the compliance and market surveillance function for the contracts.

The Exchange certifies that the contracts remain in compliance with the Commodity Exchange Act and the Commission's regulations thereunder. The Exchange is not aware of any substantive opposing views with respect to the continued listing of the contracts. ICE Futures US further certifies that a copy of this submission was posted on the Exchange's website concurrent with its filing with the Commission at <https://www.theice.com/futures-us/regulation#rule-filings>.

If you have any questions or need further information, please contact me at 312-836-6746 or at [conor.weber@theice.com](mailto:conor.weber@theice.com).

Sincerely,



Conor Weber  
Compliance Counsel  
Market Regulation

Enc.  
cc: Division of Market Oversight  
New York Regional Office

**EXHIBIT A**  
**Subchapter 18A – Natural Gas**  
**Futures Contracts**

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**18.A.148 Iroquois (Into) Basis (Platts) Future**

**Contract Description:**

A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** IRB

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 84 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-NORTHEAST-(IROQUOIS, RECEIPTS)-INSIDE FERC

- a) **Description:** "NATURAL GAS-NORTHEAST-(IROQUOIS, RECEIPTS)-INSIDE FERC means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices (\$/MMBtu): Northeast.: Iroquois, Receipts: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing Calendar:** Inside FERC
- e) **Delivery Date:** Contract period

**Reference Price B: NATURAL GAS-NYMEX**

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement price
- d) **Pricing Calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

## 18.A.149 Iroquois-Z2 Basis (Platts) Future

### **Contract Description:**

A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** IZB

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18..

**Listing Cycle:** Up to 84 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-NORTHEAST (IROQUOIS, ZONE 2)-INSIDE FERC

- a) **Description:** "NATURAL GAS-NORTHEAST (IROQUOIS, ZONE 2)-INSIDE FERC means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Northeast.: Iroquois, Zone 2: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing Calendar:** Inside FERC
- e) **Delivery Date:** Contract period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date

- c) **Specified Price:** Settlement price
- d) **Pricing Calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

## 18.A.151 Iroquois (Into) Swing (Platts) Future

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** IRS

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; Minimum Price Fluctuation may vary by trade type. Please see Table A in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-CANADIAN GAS (IROQUOIS, RECEIPTS)-GAS DAILY

- a) **Description:** "NATURAL GAS-CANADIAN GAS (IROQUOIS, RECEIPTS)-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Canadian Gas: Iroquois, receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing Calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day



## 18.A.152 Iroquois-Z2 Swing (Platts) Future

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** IZS

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; Minimum Price Fluctuation may vary by trade type. Please see Table A in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-CITYGATES (IROQUOIS, ZONE 2)-GAS DAILY

- a) **Description:** "NATURAL GAS-CITYGATES (IROQUOIS, ZONE 2)-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Citygates: Iroquois, zone 2: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing Calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

## 18.A.154 Iroquois (Into) Index (Platts) Future

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** IRI

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; Minimum Price Fluctuation may vary by trade type. Please see Table A in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 36 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Average of the Reference Price A prices minus Reference Price B

**Reference Price A:** NATURAL GAS-CANADIAN GAS (IROQUOIS, RECEIPTS)-GAS DAILY

- a) **Description:** "NATURAL GAS-CANADIAN GAS (IROQUOIS, RECEIPTS)-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Canadian Gas: Iroquois, receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing Calendar:** Gas Daily
- e) **Delivery Date:** Each calendar day in the Contract Period

**Reference Price B:** NATURAL GAS-NORTHEAST-(IROQUOIS, RECEIPTS)-INSIDE FERC

- a) **Description:** "NATURAL GAS-NORTHEAST-(IROQUOIS, RECEIPTS)-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Northeast.: Iroquois, Receipts: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of the Contract Period
- c) **Specified Price:** Index
- d) **Pricing Calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the last Business Day of the Contract Period

## 18.A.155 Iroquois-Z2 Index (Platts) Future

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** IZI

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; Minimum Price Fluctuation may vary by trade type. Please see Table A in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 36 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Average of the Reference Price A prices minus Reference Price B

**Reference Price A:** NATURAL GAS-CITYGATES (IROQUOIS, ZONE 2)-GAS DAILY

- f) **Description:** "NATURAL GAS-CITYGATES (IROQUOIS, ZONE 2)-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Citygates: Iroquois, zone 2: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- g) **Pricing Date:** Each day that prices are reported for the Delivery Date
- h) **Specified Price:** Midpoint
- i) **Pricing Calendar:** Gas Daily
- j) **Delivery Date:** Each calendar day in the Contract Period

**Reference Price B:** NATURAL GAS-NORTHEAST (IROQUOIS, ZONE 2)-INSIDE FERC

- f) **Description:** "NATURAL GAS-NORTHEAST (IROQUOIS, ZONE 2)-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Northeast.: Iroquois, Zone 2: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- g) **Pricing Date:** First publication date of the Contract Period
- h) **Specified Price:** Index
- i) **Pricing Calendar:** Inside FERC
- j) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the last Business Day of the Contract Period

### **18.A.161 Transco Leidy Basis Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** YQB

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, LEIDY LINE RECEIPTS-INSIDE FERC

- a) **Description:** "NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, LEIDY LINE RECEIPTS-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Prices of Spot Gas Delivered to Pipelines.: Transcontinental Gas Pipe Line: Leidy Line receipts: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas

Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.

- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement price
- d) **Pricing Calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.162 Transco Leidy Swing Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** YQS

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA, TRANSCO, LEIDY LINE RECEIPTS-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA, TRANSCO, LEIDY LINE RECEIPTS-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Transco, Leidy Line receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### 18.A.163 Transco Leidy Index Future

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** YQI

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA, TRANSCO, LEIDY LINE RECEIPTS-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA, TRANSCO, LEIDY LINE RECEIPTS-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Transco, Leidy Line receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, LEIDY LINE RECEIPTS-INSIDE FERC

- a) **Description:** "NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, LEIDY LINE RECEIPTS-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified

Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Prices of Spot Gas Delivered to Pipelines.: Transcontinental Gas Pipe Line: Leidy Line receipts: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.

- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day



### **18.A.164 Tennessee Zone 4 300L Basis Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** DMR

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-TENNESSEE GAS PIPELINE CO., ZONE 4-300 LEG-INSIDE FERC

- a) **Description:** "NATURAL GAS-TENNESSEE GAS PIPELINE CO., ZONE 4-300 LEG-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Tennessee Gas Pipeline Co.: Zone 4-300 leg: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas

Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.

- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement price
- d) **Pricing Calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.165 Tennessee Zone 4 300L Swing Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** DMS

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA, TENNESSEE, ZONE 4-300 LEG-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA, TENNESSEE, ZONE 4-300 LEG-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Tennessee, zone 4-300 leg: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.166 Tennessee Zone 4 300L Index Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** DMQ

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA, TENNESSEE, ZONE 4-300 LEG-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA, TENNESSEE, ZONE 4-300 LEG-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Tennessee, zone 4-300 leg: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-TENNESSEE GAS PIPELINE CO., ZONE 4-300 LEG-INSIDE FERC

- a) **Description:** "NATURAL GAS-TENNESSEE GAS PIPELINE CO., ZONE 4-300 LEG-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under

the heading "Market Center Spot Gas Prices(\$/MMBtu): Tennessee Gas Pipeline Co.: Zone 4-300 leg: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.

b) **Pricing Date:** First publication date of Contract Period

c) **Specified Price:** Index

d) **Pricing calendar:** Inside FERC

e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.167 Transco Zone 5 Basis Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** DKR

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, ZONE 5 DELIVERED-INSIDE FERC

- a) **Description:** "NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, ZONE 5 DELIVERED-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Northeast: Transco, Zone 5 delivered: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas

Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.

- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement price
- d) **Pricing Calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.168 Transco Zone 5 Swing Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** DKS

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-CITYGATES, TRANSCO, ZONE 5 DEL.-GAS DAILY

- a) **Description:** "NATURAL GAS-CITYGATES, TRANSCO, ZONE 5 DEL.-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Citygates: Transco, Zone 5 del.: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day



### **18.A.169 Transco Zone 5 Index Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** DKT

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-CITYGATES, TRANSCO, ZONE 5 DEL.-GAS DAILY

- a) **Description:** "NATURAL GAS-CITYGATES, TRANSCO, ZONE 5 DEL.-GAS DAILY" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Citygates: Transco, Zone 5 del.: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, ZONE 5 DELIVERED-INSIDE FERC

- a) **Description:** "NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE, ZONE 5 DELIVERED-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified

Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Northeast: Transco, Zone 5 delivered: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.

- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.170 TETCO M2 Swing Future (Receipts)**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** BM3

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA (TEXAS EASTERN, M-2 RECEIPTS)-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA (TEXAS EASTERN, M-2 RECEIPTS)-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Texas Eastern: M-2 receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.171 TETCO M2 Index Future (Receipts)**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** MB4

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-APPALACHIA (TEXAS EASTERN, M-2 RECEIPTS)-GAS DAILY

- a) **Description:** "NATURAL GAS-APPALACHIA (TEXAS EASTERN, M-2 RECEIPTS)-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Appalachia: Texas Eastern, M-2 receipts: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP. (M-2 RECEIPTS)-INSIDE FERC

- a) **Description:** “NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP. (M-2 RECEIPTS)-INSIDE FERC” means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Texas Eastern Transmission Corp: M-2 receipts: Index” in the issue of Inside FERC that reports prices effective on that Pricing Date.
  
- b) **Pricing Date:** First publication date of Contract Period
  
- c) **Specified Price:** Index
  
- d) **Pricing calendar:** Inside FERC
  
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.172 Henry LD1 Fixed Price Future 25K**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the monthly price published by NYMEX for the location specified in Reference Price A

**Contract Symbol:** HHL

**Settlement Method:** Cash settlement

**Contract Size:** 25,000 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One tenth of a cent (\$0.001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** Up to 156 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Three Business Days prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date
- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract period

**Final Payment Date:** The first Clearing Organization business day following the Last Trading Day

### **18.A.173 Henry Penultimate Fixed Price Future 25K**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the monthly price published by NYMEX for the location specified in Reference Price A

**Contract Symbol:** HHP

**Settlement Method:** Cash settlement

**Contract Size:** 25,000 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** Up to 84 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Four Business Days prior to the first calendar day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date
- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract period

**Final Payment Date:** The first Clearing Organization business day following the Last Trading Day

### 18.A.174 REX Zone 3 Basis Future

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the price of the NYMEX Henry Hub Natural Gas Futures Contract, as defined in Reference Price B, from the monthly price published by Inside FERC for the location specified in Reference Price A.

**Contract Symbol:** REX

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtu

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A minus Reference Price B

**Reference Price A:** NATURAL GAS-UPPER MIDWEST, REX, ZONE 3 DELIVERED-INSIDE FERC

- a) **Description:** "NATURAL GAS-UPPER MIDWEST, REX, ZONE 3 DELIVERED-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "MONTHLY BIDWEEK SPOT GAS PRICES (\$/MMBtu): Upper Midwest, REX, Zone 3 Delivered: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.
- b) **Pricing Date:** First publication date of Contract Period
- c) **Specified Price:** Index
- d) **Pricing calendar:** Inside FERC
- e) **Delivery Date:** Contract period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.



- b) **Pricing Date:** Last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.175 REX Zone 3 Index Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical result of subtracting the monthly price published by Inside FERC, as defined in Reference Price B, from the average of the daily prices published by Gas Daily, as defined in Reference Price A.

**Contract Symbol:** REI

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtu

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 120 consecutive monthly Contract Periods , or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-OTHERS, REX, ZONE 3-GAS DAILY

- a) **Description:** "NATURAL GAS-OTHERS, REX, ZONE 3-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Others, REX, Zone 3 Upper Midwest, REX, Zone 3 delivered: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract period

**Reference Price B:** NATURAL GAS-UPPER MIDWEST, REX, ZONE 3-INSIDE FERC

- a) **Description:** "NATURAL GAS-UPPER MIDWEST, REX, ZONE 3-INSIDE FERC" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Market Center Spot Gas Prices(\$/MMBtu): Upper Midwest, REX, Zone 3 delivered: Index" in the issue of Inside FERC that reports prices effective on that Pricing Date.

b) **Pricing Date:** First publication date of Contract Period

c) **Specified Price:** Index

d) **Pricing calendar:** Inside FERC

e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.A.176 REX Zone 3 Swing Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the daily price published by Gas Daily for the location specified in Reference Price A.

**Contract Symbol:** RES

**Settlement Method:** Cash settlement

**Contract Size:** 2500 MMBtu

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 65 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The Business Day prior to the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** NATURAL GAS-OTHERS, REX, ZONE 3-GAS DAILY

- a) **Description:** "NATURAL GAS-OTHERS, REX, ZONE 3-GAS DAILY " means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas for delivery on the Delivery Date, stated in U.S. Dollars, published under the heading "Daily price survey (\$/MMBtu): Others, REX, Zone 3 Upper Midwest, REX, Zone 3 delivered: Midpoint" in the issue of Gas Daily that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Midpoint
- d) **Pricing calendar:** Gas Daily
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

**Subchapter 18B - Power  
Futures Contracts**

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## 18.B.205      ERCOT CAPACITY RESPONSIVE RESERVE FUTURE

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** ECR

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 48 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-ERCOT-DAY-AHEAD-CAPACIRT-RESPONSIVE-RESERVE

a) **Description:** "ELECTRICITY-ERCOT-DAY-AHEAD-CAPACIRT-RESPONSIVE-RESERVE " means that the price for a Pricing Date will be that day's Specified Price per MWh of capacity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at <http://www.ercot.com/mktinfo/prices/>, under the heading "Market Information: Market Prices" that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each day that prices are reported for the Delivery Date

c) **Specified Price:** For each calendar day, Monday-Sunday, the average of prices for all hours, 0100-2400CPT.

d) **Pricing calendar:** ERCOT

e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU

**18.B.226 PJM NI HUB REAL-TIME OFF-PEAK Mini FIXED PRICE FUTURE**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by PJM for the location specified in Reference Price A.

**Contract Symbol:** PNO

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 86 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period or as otherwise determined by the exchange.

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-REAL TIME

a) **Description:** "ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the PJM at <http://www.pjm.com/markets/energy-market/real-time.html>, under the headings "Daily Real-Time LMP: Daily Real-Time Locational Marginal Pricing Files: N ILLINOIS HUB" or any successor headings, that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each day that prices are reported for the Delivery Date

c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LMPs for all hours ending 0100-0700, 2400 EPT; for each Saturday, Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 EPT

d) **Pricing calendar:** PJM

e) **Delivery Date:** Contract Period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU

## 18.B.228 SPP NORTH HUB DAY-AHEAD OFF-PEAK FIXED PRICE FUTURE

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** FNO

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-SPP- NORTH HUB-DAY AHEAD

a) **Description:** "ELECTRICITY-SPP- NORTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/Imp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each day that prices are reported for the Delivery Date

c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LMPs for all hours ending 0100-0600, 2300-2400 CPT; for each Saturday, Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 CPT

d) **Pricing calendar:** SPP

e) **Delivery Date:** Contract Period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU



**18.B.229 SPP NORTH HUB DAY-AHEAD PEAK FIXED PRICE FUTURE**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** FNP

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-SPP- NORTH HUB-DAY AHEAD

a) **Description:** "ELECTRICITY-SPP- NORTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date

c) **Specified Price:** Average of LMPs for all hours ending 0700-2200 CPT

d) **Pricing calendar:** SPP

e) **Delivery Date:** Contract Period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU

### **18.B.230 SPP SOUTH HUB DAY-AHEAD OFF-PEAK FIXED PRICE FUTURE**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** FSO

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-SPP- SOUTH HUB-DAY AHEAD

a) **Description:** "ELECTRICITY-SPP- SOUTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each day that prices are reported for the Delivery Date

c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LMPs for all hours ending 0100-0600, 2300-2400 CPT; for each Saturday, Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 CPT

d) **Pricing calendar:** SPP

e) **Delivery Date:** Contract Period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU

## 18.B.231 SPP SOUTH HUB DAY-AHEAD PEAK FIXED PRICE FUTURE

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** FSP

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-SPP- SOUTH HUB-DAY AHEAD

a) **Description:** "ELECTRICITY-SPP- SOUTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.

b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date

c) **Specified Price:** Average of LMPs for all hours ending 0700-2200 CPT

d) **Pricing calendar:** SPP

e) **Delivery Date:** Contract Period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

**MIC Code:** IFED

**Clearing Venue:** ICEU

### **18.B.241 PJM AEP Zone Day-Ahead Peak Fixed Price Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by PJM for the location specified in Reference Price A.

**Contract Symbol:** PAS

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A Prices

**Reference Price A:** ELECTRICITY-PJM-AEP-DAY AHEAD

- a) **Description:** "ELECTRICITY-PJM-AEP -DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by PJM at <http://www.pjm.com/markets-and-operations/energy/day-ahead.aspx>, under the headings "Daily Day-Ahead Locational Marginal Pricing (LMP): LMP Day-Ahead Data: AEP" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** PJM
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.242 PJM AEP ZONE Day-Ahead Off-Peak Fixed Price Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by PJM for the location specified in Reference Price A.

**Contract Symbol:** PAT

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-PJM-AEP-DAY AHEAD

- a) **Description:** "ELECTRICITY-PJM-AEP-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by PJM at <http://www.pjm.com/markets-and-operations/energy/day-ahead.aspx>, under the headings "Daily Day-Ahead Locational Marginal Pricing (LMP): LMP Day-Ahead Data: AEP" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LMPs for all hours ending 0100-0700, 2400 EPT; for each Saturday, Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 EPT
- d) **Pricing calendar:** PJM
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.243 PJM FE Ohio Day-Ahead Peak Fixed Price Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by PJM for the location specified in Reference Price A.

**Contract Symbol:** PFN

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A Prices

**Reference Price A:** ELECTRICITY-PJM-FE OHIO-DAY AHEAD

- a) **Description:** "ELECTRICITY-PJM-FE OHIO -DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by PJM at <http://www.pjm.com/markets-and-operations/energy/day-ahead.aspx>, under the headings "Daily Day-Ahead Locational Marginal Pricing (LMP): LMP Day-Ahead Data: FE OHIO" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** PJM
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.244 PJM FE Ohio Day-Ahead Off-Peak Fixed Price Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by PJM for the location specified in Reference Price A.

**Contract Symbol:** PFO

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-PJM-FE OHIO-DAY AHEAD

- a) **Description:** "ELECTRICITY-PJM-FE OHIO-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by PJM at <http://www.pjm.com/markets-and-operations/energy/day-ahead.aspx>, under the headings "Daily Day-Ahead Locational Marginal Pricing (LMP): LMP Day-Ahead Data: FE OHIO" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LMPs for all hours ending 0100-0700, 2400 EPT; for each Saturday, Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 EPT
- d) **Pricing calendar:** PJM
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.249 MISO Texas Hub Day-Ahead Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by MISO for the location specified in Reference Price A.

**Contract Symbol:** MDR

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 45 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-MISO-TEXAS HUB-DAY AHEAD

- a) **Description:** " ELECTRICITY-MISO-TEXAS HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by MISO at <https://www.midwestiso.org/Library/MarketReports/Pages/MarketReports.aspx>, under the headings "Library: Market Reports" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** MISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The Third Clearing Organization business day following the Last Trading Day



### **18.B.250 MISO Texas Hub Day-Ahead Off-Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by MISO for the location specified in Reference Price A.

**Contract Symbol:** MDS

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-MISO-TEXAS HUB-DAY AHEAD

- a) **Description:** " ELECTRICITY-MISO-TEXAS HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by MISO at <https://www.midwestiso.org/Library/MarketReports/Pages/MarketReports.aspx>, under the headings "Library: Market Reports" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours, EST, that are not ending 0800-2300 EPT
- d) **Pricing calendar:** MISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.251 SPP North Hub Day-Ahead Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** SNR

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 45 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-SPP-NORTH HUB-DAY AHEAD

- a) **Description:** " ELECTRICITY-SPP-NORTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** SPP
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.252 SPP North Hub Day-Ahead Off-Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** SNO

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-SPP-NORTH HUB-DAY AHEAD

- a) **Description:** " ELECTRICITY-SPP-NORTH HUB-DAY AHEAD " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours, CPT, that are not ending 0700-2200 CPT
- d) **Pricing calendar:** SPP
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.253 SPP South Hub Real-Time Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** SSR

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 45 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-SPP-SOUTH HUB-REAL TIME

- a) **Description:** " ELECTRICITY-SPP-SOUTH HUB-REAL TIME " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** SPP
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.254 SPP South Hub Real-Time Off-Peak Daily Fixed Price Future**

**Contract Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by SPP for the location specified in Reference Price A.

**Contract Symbol:** SSO

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-SPP-SOUTH HUB-REAL TIME

- a) **Description:** " ELECTRICITY-SPP-SOUTH HUB-REAL TIME " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the SPP at <https://marketplace.spp.org/web/guest/lmp-by-location> under the headings "Marketplace Portal " or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours, CPT, that are not ending 0700-2200 CPT
- d) **Pricing calendar:** SPP
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.255 CAISO NP-15 Fifteen Minute Marker Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CIP

**Settlement Method:** Cash settlement

**Contract Size:** 400 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 365 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Six business days following the nominal contract day

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-NP15-FMM

- a) **Description:** " ELECTRICITY-CAISO-NP15-FMM " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com/mrioasis/logon.do>, under the headings "Prices: FMM Locational Marginal Prices: P/APNode ID: TH\_NP15\_GEN-APND " that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours, EST, that are not ending 0700-2200 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.256 CAISO NP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CIQ

**Settlement Method:** Cash settlement

**Contract Size:** 25 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 365 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Six business days following the nominal contract day

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-NP15-FMM

- a) **Description:** " ELECTRICITY-CAISO-NP15-FMM " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com/mrioasis/logon.do>, under the headings "Prices: FMM Locational Marginal Prices: P/APNode ID: TH\_NP15\_GEN-APND " that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0100-0600, 2300-2400 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.257 CAISO SP-15 Fifteen Minute Marker Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CSY

**Settlement Method:** Cash settlement

**Contract Size:** 400 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 365 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Six business days following the nominal contract day

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-SP15-FMM

- a) **Description:** " ELECTRICITY-CAISO-SP15-FMM " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com/mrioasis/logon.do>, under the headings "Prices: FMM Locational Marginal Prices: P/APNode ID: TH\_SP15\_GEN-APND " that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours, EST, that are not ending 0700-2200 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day



### **18.B.258 CAISO SP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CSZ

**Settlement Method:** Cash settlement

**Contract Size:** 25 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 365 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** Six business days following the nominal contract day

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-SP15-FMM

- a) **Description:** " ELECTRICITY-CAISO-SP15-FMM " means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com/mrioasis/logon.do>, under the headings "Prices: FMM Locational Marginal Prices: P/APNode ID: TH\_SP15\_GEN-APND " that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0100-0600, 2300-2400 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.259 ERCOT Non-Spinning Reserve Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** ENS

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 48 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-ERCOT-NON-SPINNING RESERVE SERVICE-DAY AHEAD

- a) **Description:** "ELECTRICITY-ERCOT- NON-SPINNING RESERVE SERVICE-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of capacity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at <http://www.ercot.com/mktinfo/prices/>, under the heading "Market Information: Market Prices" that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each calendar day, Monday-Sunday, the average of prices for all hours, 0100-2400EPT.
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.260 ERCOT Regulation DOWN Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** ERL

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 48 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-ERCOT-REGULATION DOWN SERVICE-DAY AHEAD

- a) **Description:** "ELECTRICITY-ERCOT- REGULATION DOWN SERVICE-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of capacity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at <http://www.ercot.com/mktinfo/prices/>, under the heading "Market Information: Market Prices" that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each calendar day, Monday-Sunday, the average of prices for all hours, 0100-2400EPT.
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.261 ERCOT Regulation UP Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** ERK

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 48 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference Price A prices

**Reference Price A:** ELECTRICITY-ERCOT-REGULATION UP SERVICE-DAY AHEAD

- a) **Description:** "ELECTRICITY-ERCOT- REGULATION UP SERVICE-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of capacity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at <http://www.ercot.com/mktinfo/prices/>, under the heading "Market Information: Market Prices" that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each calendar day, Monday-Sunday, the average of prices for all hours, 0100-2400EPT.
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.262 NYISO Zone G Real-Time Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NRN

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE G (HUD VL)-REAL TIME

- a) **Description:** "ELECTRICITY-NYISO-ZONE G (HUD VL)-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html>, under the headings " Pricing Data: Real-Time Market LBMP: Zonal: HUD VL 61758: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.B.263 NYISO Zone G Real-Time Off-Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NRQ

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE G (HUD VL)-REAL TIME

- a) **Description:** "ELECTRICITY-NYISO-ZONE G (HUD VL)-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html> under the headings " Pricing Data: Real-Time Market LBMP: Zonal: HUD VL 61758: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0100-0700, 2400 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day

### **18.B.264 NYISO Zone A Real-Time Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NRR

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME

- a) **Description:** "ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html>, under the headings "Pricing Data: Real-Time Market LBMP: Zonal: WEST 61752: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.B.265 NYISO Zone A Real-Time Off-Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NRS

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME

- a) **Description:** "ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html>, under the headings "Pricing Data: Real-Time Market LBMP: Zonal: WEST 61752: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0100-0700, 2400 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The fifth Clearing Organization business day following the Last Trading Day



### **18.B.266 NYISO Zone D Day-Ahead Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NDL

**Settlement Method:** Cash settlement

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD

- a) **Description:** "ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S.Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html>, under the headings " Pricing Data: Day Ahead Market LBMP: Zonal: NORTH61755: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

### **18.B.267 NYISO Zone D Day-Ahead Off-Peak Daily Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NDM

**Settlement Method:** Cash settlement

**Contract Size:** 50 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 38 consecutive daily contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last business day prior to the contract period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD

- a) **Description:** "ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S.Dollars, published by the NYISO at <http://www.nyiso.com/oasis/index.html>, under the headings " Pricing Data: Day Ahead Market LBMP: Zonal: NORTH61755: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0100-0700, 2400 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The third Clearing Organization business day following the Last Trading Day

## **18.B.268 NYISO ZONE D DAY-AHEAD PEAK FIXED PRICE FUTURE**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NDR

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 86 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD

- a) **Description:** “ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD” means that the price for a Pricing Date will be that day’s Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at [http://www.nyiso.com/public/markets\\_operations/index.jsp](http://www.nyiso.com/public/markets_operations/index.jsp), under the headings “ Pricing Data: Day-Ahead Market LBMP: Zonal: NORTH61755: LBMP (\$/MWhr)” or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LBMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

## **18.B.269 NYISO ZONE D DAY-AHEAD OFF-PEAK FIXED PRICE FUTURE**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of off-peak hourly electricity prices published by NYISO for the location specified in Reference Price A.

**Contract Symbol:** NDS

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 86 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD

- a) **Description:** "ELECTRICITY-NYISO-ZONE D (NORTH)-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, which Specified Price will be the Specified Price for each hour during the Delivery Period, stated in U.S. Dollars, published by the NYISO at [http://www.nyiso.com/public/markets\\_operations/index.jsp](http://www.nyiso.com/public/markets_operations/index.jsp), under the headings " Pricing Data: Day-Ahead Market LBMP: Zonal: NORTH61755: LBMP (\$/MWhr)" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each Monday through Friday, excluding NERC holidays, the average of LBMPs for all hours ending 0100-0700, 2400 EPT; for each Saturday, Sunday, and NERC holiday, the average of LBMPs for all hours ending 0100-2400 EPT.
- d) **Pricing calendar:** NYISO
- e) **Delivery Date:** Contract period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

## **18.B.270 ISO New England Rhode Island Day-Ahead Peak Fixed Price Future**

**Contract Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ISO New England for the location specified in Reference Price A.

**Contract Symbol:** RIY

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly contract periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Average of Reference A Prices

**Reference Price A:** ELECTRICITY-ISO NEW ENGLAND-RHODE ISLAND-DAY AHEAD

- a) **Description:** "ELECTRICITY-ISO NEW ENGLAND-RHODE ISLAND-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by ISO New England at <http://www.iso-ne.com/isoexpress/web/reports/pricing/-/tree/lmp-by-node>, under the headings "Selectable Day-Ahead and Preliminary Real-Time Hourly LMPs; 4005 : Z.RHODEISLAND: Start Date/End Date" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** ISO New England
- e) **Delivery Date:** Contract period

**Final Payment Date:** The second Clearing Organization business day following the Last Trading Day

### **18.B.291 CAISO NP-15 Day-Ahead Off-Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CAB

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 110 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-NP15-DAY AHEAD

- a) **Description:** "ELECTRICITY-CAISO-NP15-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com> under the headings "Prices: Report: Locational Marginal Prices (LMP): P/APNode ID: TH\_NP15\_GEN\_APND: Market: DAM" that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** For each Monday through Saturday, excluding NERC holidays, the average of LMPs for all hours not ending 0700-2200 PPT; for each Sunday, and NERC holiday, the average of LMPs for all hours ending 0100-2400 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The fourth Clearing Organization business day following the Last Trading Day

### **18.B.292 CAISO NP-15 Day-Ahead Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by CAISO for the location specified in Reference Price A.

**Contract Symbol:** CAA

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 110 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-CAISO-NP15-DAY AHEAD

- a) **Description:** "ELECTRICITY-CAISO-NP15-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the California ISO at <http://oasis.caiso.com> under the headings "Prices: Report: Locational Marginal Prices (LMP): P/APNode ID: TH\_NP15\_GEN\_APND: Market: DAM" that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each Monday through Saturday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0700-2200 PPT
- d) **Pricing calendar:** CAISO
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The fourth Clearing Organization business day following the Last Trading Day

### **18.B.293 Palo Verde Day-Ahead Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ICE for the location specified in Reference Price A

**Contract Symbol:** INP

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 110 consecutive monthly Contract Periods , or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-PALO VERDE PEAK-ICE

- a) **Description:** "ELECTRICITY-PALO VERDE PEAK-ICE" means that the price for a Pricing Date will be that day's Specified Price per MWh of on-peak electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by ICE at [www.theice.com](http://www.theice.com), under the headings "Day Ahead Power: ICE Daily Indices: Hub: Palo Verde Peak: Wtd Avg Index" or any successor headings, that reports prices effective on that Pricing Date
- b) **Pricing Date:** Each Monday through Saturday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Avg
- d) **Pricing calendar:** ICE
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The first Clearing Organization business day following the Last Trading Day



### **18.B.294 Palo Verde Day-Ahead Off-Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the off-peak hourly electricity prices published by ICE for the location specified in Reference Price A

**Contract Symbol:** INO

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 110 consecutive monthly Contract Periods , or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-PALO VERDE OFF-PEAK-ICE

- a) **Description:** "ELECTRICITY-PALO VERDE OFF-PEAK-ICE" means that the price for a Pricing Date will be that day's Specified Price per MWH of off-peak electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by ICE at [www.theice.com](http://www.theice.com), under the headings "Market Data: Indices: Market: ICE OTC: Report: North American Power: Hub: Palo Verde Off-Peak" or any successor headings, that reports prices effective on that Pricing Date.
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Avg
- d) **Pricing calendar:** ICE
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The first Clearing Organization business day following the Last Trading Day

## 18.B.295 ERCOT West 345KV Real-Time Peak Mini Fixed Price Future

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ERCOT for the location specified in Reference Price A

**Contract Symbol:** ETZ

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-ERCOT-WEST 345KV HUB-REAL TIME

- a) **Description:** "ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/real\\_time\\_spp](http://www.ercot.com/content/cdr/html/real_time_spp)
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.296 ERCOT North 345KV Real-Time Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** ETW

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-ERCOT-NORTH 345KV HUB-REAL TIME

- a) **Description:** "ELECTRICITY-ERCOT-NORTH 345KV HUB-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/real\\_time\\_spp](http://www.ercot.com/content/cdr/html/real_time_spp)
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.297 ERCOT South 345KV Real-Time Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ERCOT for the location specified in Reference Price A

**Contract Symbol:** ETY

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME

- a) **Description:** "ELECTRICITY-ERCOT-SOUTH 345KV HUB-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/real\\_time\\_spp](http://www.ercot.com/content/cdr/html/real_time_spp)
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

## **18.B.298 ERCOT Houston 345KV Real-Time Peak Mini Fixed Price Future**

**Description:** A monthly cash settled Exchange Futures Contract based upon the mathematical average of daily prices calculated by averaging the peak hourly electricity prices published by ERCOT for the location specified in Reference Price A

**Contract Symbol:** ETX

**Settlement Method:** Cash settlement

**Contract Size:** 1 MW

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 50 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME

- a) **Description:** "ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/real\\_time\\_spp](http://www.ercot.com/content/cdr/html/real_time_spp)
- b) **Pricing Date:** Each Monday through Friday, excluding NERC holidays, that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The sixth Clearing Organization business day following the Last Trading Day

### **18.B.299 ERCOT North 345KV Day-Ahead Peak Daily 80 MWh Fixed Price Future**

**Description:** A daily cash settled Exchange Futures Contract based upon the mathematical average of peak hourly electricity prices published by ERCOT for the location specified in Reference Price A.

**Contract Symbol:** NDB

**Settlement Method:** Cash settlement

**Contract Size:** 80 MWh

**Currency:** USD

**Min Price Flux:** The price quotation convention shall be One cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 45 consecutive daily Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** The last Business Day of the Contract Period

**Final Settlement:** Reference Price A

**Reference Price A:** ELECTRICITY-ERCOT-HOUSTON 345KV DAY-AHEAD TIME

- a) **Description:** "ELECTRICITY-ERCOT-NORTH 345KV DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/dam\\_spp](http://www.ercot.com/content/cdr/html/dam_spp)
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Final Payment Date:** The seventh Clearing Organization business day following the Last Trading Day

## Subchapter 18E – Energy Options Contracts

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### 18.E.063 Option on Henry Penultimate Fixed Price Future 25K

**Contract Description:** A monthly Option on the corresponding Contract Period of the Henry Penultimate Fixed Price Future 25K

**Contract Symbol:** HHP

**Settlement Method:** Exercise into Underlying Futures Contract

**Contract Size:** 25,000 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** Up to 84 consecutive monthly Contract Periods, or as otherwise determined by the Exchange.

**Last Trading Day:** At 2:30pm EPT on the fourth Business Day prior to the first calendar day of the Contract Period

**Option Style:** European

**Exercise Method:** Automatic Only

**Exercise Procedure:** Manual exercise or abandon is not permitted

**Exercise Day:** The Last Trading Day

**Automatic Exercise Provisions:** Options which are "in the money", with respect to Reference Price A, exercise automatically into the Underlying Futures Contract with a contract price equal to the Strike Price.

Options which are "out of the money" expire automatically.

**Reference Price A:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBTU of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date

- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Strike Price Listing:** A minimum of 10 Strike Prices in increments of \$0.25 per MMBtu above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.01 increments



### **18.E.065 Option on ERCOT North 345KV Day-Ahead Peak Daily 80 MWh Fixed Price Future**

**Contract Description:** A daily Option on the corresponding Contract Period of the ERCOT North 345 KV Hub Day-Ahead Peak Daily 80 MWh Fixed Price Future.

**Contract Symbol:** NDB

**Settlement Method:** Exercise into Underlying Futures Contract

**Contract Size:** 80 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 45 consecutive daily Contract Periods, excluding Saturdays, Sundays and NERC Holidays, or as otherwise determined by the Exchange.

**Last Trading Day:** At the end of the Trading Session on the last Business Day prior to the Contract Period

**Option Style:** European

**Exercise Method:** Automatic Only

**Exercise Procedure:** Manual exercise or abandon is not permitted

**Exercise Day:** The seventh Clearing Organization business day following the Last Trading Day

**Automatic Exercise Provisions:** Options which are "in the money", with respect to the average of the Reference Price A prices, exercise automatically into the Underlying Futures Contract with a contract price equal to the Strike Price. Options which are "out of the money" expire automatically.

**Reference Price A:** ELECTRICITY-ERCOT-NORTH 345KV HUB-DAY AHEAD

- a) **Description:** "ELECTRICITY-ERCOT-NORTH 345KV DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for delivery on the Delivery Date, stated in U.S. Dollars, published by the ERCOT at [http://www.ercot.com/content/cdr/html/dam\\_spp](http://www.ercot.com/content/cdr/html/dam_spp)
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of SPPs for all hours ending 0700-2200 CPT
- d) **Pricing calendar:** ERCOT
- e) **Delivery Date:** Contract Period

**Strike Price Listing:** A minimum of ten Strike Prices in increments of \$1.00 per MWh above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.05 increments

## **18.E.066 Option on PJM Western Hub Day-Ahead Peak Daily Fixed Price Future**

**Contract Description:** A daily Option on the corresponding Contract Period of the PJM Western Hub Day-Ahead Peak Daily Fixed Price Future

**Contract Symbol:** PDA

**Settlement Method:** Exercise into Underlying Futures Contract

**Contract Size:** 800 MWh

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be one cent (\$0.01) per MWh; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** Up to 73 consecutive daily Contract Periods, excluding Saturdays, Sundays and NERC Holidays, or as otherwise determined by the Exchange.

**Last Trading Day:** At the end of the Trading Session on the last Business Day prior to the Contract Period

**Option Style:** European

**Exercise Method:** Automatic Only

**Exercise Procedure:** Manual exercise or abandon is not permitted

**Exercise Day:** The third Clearing Organization business day following the Last Trading Day

**Automatic Exercise Provisions:** Options which are "in the money", with respect to the average of the Reference Price A prices, exercise automatically into the Underlying Futures Contract with a contract price equal to the Strike Price. Options which are "out of the money" expire automatically.

**Reference Price A:** ELECTRICITY-PJM-WESTERN HUB-DAY AHEAD

- a) **Description:** "ELECTRICITY-PJM-WESTERN HUB-DAY AHEAD" means that the price for a Pricing Date will be that day's Specified Price per MWh of electricity for Delivery on the Delivery Date, stated in U.S. Dollars, published by the PJM at <http://www.pjm.com/markets/energy-market/day-ahead.html>, under the Headings "Daily Day-Ahead Locational Marginal Pricing(LMP): LMP Day-Ahead Data: WESTERN HUB" or any successor headings, that reports Prices effective on the Pricing Date
- b) **Pricing Date:** Each day that prices are reported for the Delivery Date
- c) **Specified Price:** Average of LMPs for all hours ending 0800-2300 EPT
- d) **Pricing calendar:** PJM

e) **Delivery Date:** Contract Period

**Strike Price Listing:** A minimum of ten Strike Prices in increments of \$1.00 per MWh above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.25 increments

## 18.E.068 Calendar Spread Option on Henry Penultimate 4-Month Calendar Spread Future

**Contract Description:** A monthly Option on the corresponding Contract Period of the Henry Penultimate 4-Month Calendar Spread Future

**Contract Symbol:** HHR

**Settlement Method:** Exercise into Underlying Futures Contract

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** Up to 72 consecutive monthly Contract Period, or as otherwise determined by the Exchange.

**Last Trading Day:** At 2:30pm EPT on the fourth Business Day prior to the first calendar day of the Contract Period

**Option Style:** European

**Exercise Method:** Automatic only

**Exercise Procedure:** Manual exercise or abandon is not permitted

**Exercise Day:** The Last Trading Day

**Automatic Exercise Provisions:** Options which are "in the money", with respect to Reference Price A minus Reference Price B, exercise automatically into the Underlying Futures Contract with a contract price equal to the Strike Price. Options which are "out of the money" expire automatically.

**Reference Price A:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Fifth Nearby Month

**Strike Price Listing:** A minimum of 10 Strike Prices in increments of \$0.25 per MMBtu above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.001 increments.

## **18.E.069 Calendar Spread Option on Henry Penultimate 5-Month Calendar Spread Future**

**Contract Description:** A monthly Option on the corresponding Contract Period of the Henry Penultimate 5-Month Calendar Spread Future

**Contract Symbol:** HHV

**Settlement Method:** Exercise into Underlying Futures Contract

**Contract Size:** 2500 MMBtus

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One hundredth of a cent (\$0.0001) per MMBtu; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** Up to 72 consecutive monthly Contract Period, or as otherwise determined by the Exchange.

**Last Trading Day:** At 2:30pm EPT on the fourth Business Day prior to the first calendar day of the Contract Period

**Option Style:** European

**Exercise Method:** Automatic only

**Exercise Procedure:** Manual exercise or abandon is not permitted

**Exercise Day:** The Last Trading Day

**Automatic Exercise Provisions:** Options which are "in the money", with respect to Reference Price A minus Reference Price B, exercise automatically into the Underlying Futures Contract with a contract price equal to the Strike Price. Options which are "out of the money" expire automatically.

**Reference Price A:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Contract Period

**Reference Price B:** NATURAL GAS-NYMEX

- a) **Description:** "NATURAL GAS-NYMEX" means that the price for a Pricing Date will be that day's Specified Price per MMBtu of natural gas on the NYMEX of the Henry Hub Natural Gas Futures Contract for the Delivery Date, stated in U.S. Dollars, as made public by the NYMEX on that Pricing Date.
- b) **Pricing Date:** One Business Day prior to the last scheduled trading day of the NYMEX Henry Hub Natural Gas Futures Contract for the Delivery Date
- c) **Specified Price:** Settlement Price
- d) **Pricing calendar:** NYMEX
- e) **Delivery Date:** Sixth Nearby Month

**Strike Price Listing:** A minimum of 10 Strike Prices in increments of \$0.25 per MMBtu above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.001 increments.