

Submission No. 15-65 March 13, 2015

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: New ERCOT Regulation DOWN Future and Related Amendments (6 of 13) Submission Pursuant to Section 5c(c)(1) of the Act and Regulation 40.2 and 40.6(a)

Dear Mr. Kirkpatrick:

Pursuant to Commission Regulations 40.2 and 40.6(a), ICE Futures U.S., Inc. ("Exchange") submits, by written certification, new Rules 18.B.255 through 18.B.267, Resolutions 1 and 2 of Chapter 18, and the Exchange's Block Trade Procedures, which are codified in the Exchange's Block Trade FAQ, as set forth in Exhibit A. The new rules and amendments provide for 13 new financial power futures contracts, which will be listed on March 30, 2015.

# **CAISO**

The Exchange is listing four new contracts to supplement existing ICE power futures contracts for the California ISO ("CAISO") region. Two of the contracts, the CAISO NP-15 Fifteen Minute Marker Peak and Off-Peak Daily Fixed Price Future contracts, are daily cash settled contracts based on the average of peak hourly electricity prices published by CAISO for the NP-15 zone Fifteen Minute Marker ("FMM"), as set forth in the table below. The remaining two, the CAISO SP-15 Fifteen Minute Marker Peak and Off-Peak Daily Fixed Price Future contracts, are daily cash settled contracts based on the average of peak hourly electricity prices published by CAISO for the SP-15 zone FMM, as set forth in the table below

| Contract Name   | Contract<br>Size<br>(MWh) | Minimum<br>Tick <sup>1</sup> | IPL<br>Amount | IPL<br>Recalc<br>Time<br>(Seconds) | IPL Hold<br>Period<br>(Seconds) | NCR <sup>2</sup> | Minimum<br>Block<br>Size | Spot<br>Month<br>Position<br>Limit |
|---|---------------------------|------------------------------|---------------|------------------------------------|---------------------------------|------------------|--------------------------|------------------------------------|
| CAISO NP-15 Fifteen<br>Minute Marker Peak<br>Daily Fixed Price<br>Future      | 400                       | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 1                        | 4,000                              |
| CAISO NP-15 Fifteen<br>Minute Marker Off-<br>Peak Daily Fixed<br>Price Future | 25                        | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 8                        | 7,500                              |

<sup>1</sup> The minimum fluctuation is \$0.05 for screen trades and \$0.01 for block trades.

<sup>&</sup>lt;sup>2</sup> The NCR for BalDay, NextDay and Balweek contracts is \$5.00. The NCR for Weekly and Balmo contracts is \$2.00.

| CAISO SP-15 Fifteen<br>Minute Marker Peak<br>Daily Fixed Price<br>Future      | 400 | \$0.05 | \$120.00 | 3 | 5 | \$5.00 | 1 | 750    |
|---|-----|--------|----------|---|---|--------|---|--------|
| CAISO SP-15 Fifteen<br>Minute Marker Off-<br>Peak Daily Fixed<br>Price Future | 25  | \$0.05 | \$120.00 | 3 | 5 | \$5.00 | 8 | 12,000 |

The listing cycle for the contracts is up to 365 consecutive daily contract periods. The block trade minimum sizes of 1 lot and 8 lots are consistent with the minimum sizes for similar power contracts currently listed by the Exchange. The spot month position limits for the new CAISO contracts are set at levels that are consistent with the spot month position limits for similar power contracts currently listed by the Exchange.

# **ERCOT**

The Exchange is listing three new contracts, which supplement existing ICE power futures contracts for the Electric Reliability Council of Texas ("ERCOT") independent service operator ("ISO"). The ERCOT Non-Spinning Reserve Futures is a monthly cash settled contract based on the average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for the Non-Spinning Reserve, as set forth in the table below. The ERCOT Regulation DOWN Future is a monthly cash settled Exchange Futures Contract based on the average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for Regulation DOWN Service, as set forth in the table below. The ERCOT Regulation UP Future is a monthly cash settled Exchange Futures Contract based on the average of daily prices calculated by averaging the hourly electricity prices published by ERCOT for Regulation UP Service, as set forth in the table below.

| Contract Name                            | Contract<br>Size<br>(MW) | Minimum<br>Tick <sup>3</sup> | IPL<br>Amount | IPL<br>Recalc<br>Time<br>(Seconds) | IPL Hold<br>Period<br>(Seconds) | NCR    | Minimum<br>Block<br>Size | Spot<br>Month<br>Position<br>Limit |
|--|--------------------------|------------------------------|---------------|------------------------------------|---------------------------------|--------|--------------------------|------------------------------------|
| ERCOT Non-<br>Spinning Reserve<br>Future | 1                        | \$0.05                       | \$30.00       | 3                                  | 5                               | \$5.00 | 1                        | 11,200                             |
| ERCOT Regulation<br>DOWN Future          | 1                        | \$0.05                       | \$30.00       | 3                                  | 5                               | \$5.00 | 1                        | 3,300                              |
| ERCOT Regulation<br>UP Future            | 1                        | \$0.05                       | \$30.00       | 3                                  | 5                               | \$5.00 | 1                        | 3,700                              |

The listing cycles for the new ERCOT contracts are up to 48 consecutive monthly contract periods. The block trade minimum size of 1 lot is consistent with the minimum sizes for similar power contracts currently listed by the Exchange. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the aforementioned ERCOT contracts is attached hereto as Exhibit B.

# **NYISO**

The Exchange is listing six new futures contracts, which supplement existing ICE power futures contracts for the New York Independent System Operator ("NYISO"). NYISO manages the electric power flow in the state of New York from over 500 generators on 10,900 miles of transmission lines. NYISO's wholesale electricity market has over 400 market participants. NYISO is divided into eleven control area load zones: West, Genesee, Central, North, Mohawk Valley, Capital, Hudson Valley,

<sup>&</sup>lt;sup>3</sup> The minimum fluctuation is \$0.05 for screen trades and \$0.01 for block trades.

Millwood, Dunwoodie, Long Island, and New York City. NYISO publishes actual and forecasted hourly load and LMP for each of its zones. The new Zone A contracts are based on the West load zone, the new Zone D contracts are based on the North load zone and the new Zone G contracts are based on the Hudson Valley load zone. The Exchange is listing six new daily cash settled futures contracts based on the average of hourly electricity prices published by NYISO for the Zones A, D and G during specified periods, as set forth in the table below.

| Contract Name  | Contract<br>Size<br>(MWh) | Minimum<br>Tick <sup>4</sup> | IPL<br>Amount | IPL<br>Recalc<br>Time<br>(Seconds) | IPL Hold<br>Period<br>(Seconds) | NCR <sup>5</sup> | Minimum<br>Block<br>Size | Spot<br>Month<br>Position<br>Limit |
|--|---------------------------|------------------------------|---------------|------------------------------------|---------------------------------|------------------|--------------------------|------------------------------------|
| NYISO Zone G<br>Real-Time Peak<br>Daily Fixed Price<br>Future      | 800                       | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 1                        | 900                                |
| NYISO Zone G<br>Real-Time Off-Peak<br>Daily Fixed Price<br>Future  | 50                        | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 8                        | 15,900                             |
| NYISO Zone A<br>Real-Time Peak<br>Daily Fixed Price<br>Future      | 800                       | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 1                        | 1,600                              |
| NYISO Zone A<br>Real-Time Off-Peak<br>Daily Fixed Price<br>Future  | 50                        | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 8                        | 8,200                              |
| NYISO Zone D<br>Day-Ahead Peak<br>Daily Fixed Price<br>Future      | 800                       | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 1                        | 300                                |
| NYISO Zone D<br>Day-Ahead Off-<br>Peak Daily Fixed<br>Price Future | 50                        | \$0.05                       | \$120.00      | 3                                  | 5                               | \$5.00           | 8                        | 4,200                              |

The listing cycle for the Real-Time Peak, Day-Ahead Peak, and Day-Ahead Off-Peak are up to 38 consecutive daily contract periods. The listing cycle for the Real-Time Off-Peak contracts is 38 consecutive daily contract periods. The block trade minimum sizes of 1 lot and 8 lots are consistent with the minimum sizes for similar power contracts currently listed by the Exchange. The spot month position limits for the new NYISO Zone A contracts are set at levels that are consistent with spot month position limits for similar power contracts currently listed by the Exchange. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the new NYISO Zone D and G contracts is attached as Exhibit B.

# **Certifications**

The new rules and rule amendments will become effective with the listing of the new financial power contracts on March 30, 2015. The Exchange is not aware of any substantive opposing views to the new financial power contracts. The Exchange certifies that the rule amendments comply with the

<sup>&</sup>lt;sup>4</sup> The minimum fluctuation is \$0.05 for screen trades and \$0.01 for block trades.

<sup>&</sup>lt;sup>5</sup> The NCR for BalDay, NextDay and Balweek contracts is \$5.00. The NCR for Weekly and Balmo contracts is \$2.00.

requirements of the Act and the rules and regulations promulgated thereunder. The Exchange has reviewed the designated contract market core principles ("Core Principles") as set forth in the Act and has determined that the listing of the contract complies with the following relevant Core Principles:

# **COMPLIANCE WITH RULES**

The terms and conditions of the new financial power futures contracts are set forth in new Rules 18.B.255 through 18.B.267, Resolutions 1 and 2 of Chapter 18 and the Exchange's Block Trade Procedures, and will be enforced by the Exchange. In addition, trading of the contracts is subject to all relevant Exchange rules which are enforced by the Market Regulation Department

#### CONTRACTS NOT READILY SUBJECT TO MANIPULATION

The new financial power futures contracts are not readily subject to manipulation as they are based on established and liquid underlying cash markets. In addition, trading of the new contracts will be monitored by the Market Regulation Department.

# POSITION LIMITS OR ACCOUNTABILITY

Positions in the new financial power futures contracts will be subject to position limits set by the Exchange. As described above, such position limits are based upon existing levels set for substantially similar products or are based upon the deliverable supply in the cash market. A Deliverable Supply Analysis is attached hereto as Exhibit B.

# FINANCIAL INTEGRITY OF CONTRACTS

The new financial power futures contracts will be cleared by ICE Clear Europe, a registered derivatives clearing organization subject to Commission regulation, and carried by registered futures commission merchants qualified to handle customer business.

The Exchange further certifies that, concurrent with this filing, a copy of this submission was posted on the Exchange's website and may be accessed at (<a href="https://www.theice.com/futures-us/regulation#Rule-Filings">https://www.theice.com/futures-us/regulation#Rule-Filings</a>).

If you have any questions or need further information, please contact me at 212-748-4021 or at jason.fusco@theice.com.

Sincerely,

Jam V. Just

Jason V. Fusco Assistant General Counsel Market Regulation

Enc.

cc: Division of Market Oversight New York Regional Office

# **EXHIBIT A**

# **Resolution No. 1-Minimum Price Fluctuation Table**

The following minimum price fluctuations shall be applicable to Energy Contracts.

Rule Product Minimum Price Fluctuation Number

Screen Blocks and

other trades outside the central limit order book

\* \* \*

| 18.B.255 | CAISO NP-15 Fifteen Minute Marker Peak Daily Fixed Price Future     | 0.05 | 0.01 |
|----------|---|------|------|
| 18.B.256 | CAISO NP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future | 0.05 | 0.01 |
| 18.B.257 | CAISO SP-15 Fifteen Minute Marker Peak Daily Fixed Price Future     | 0.05 | 0.01 |
| 18.B.258 | CAISO SP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future | 0.05 | 0.01 |
| 18.B.259 | ERCOT Non-Spinning Reserve Future                                   | 0.05 | 0.01 |
| 18.B.260 | ERCOT Regulation DOWN future  | 0.05 | 0.01 |
| 18.B.261 | ERCOT Regulation UP future  | 0.05 | 0.01 |
| 18.B.262 | NYISO Zone G Real-Time Peak Daily Fixed Price Future                | 0.05 | 0.01 |
| 18.B.263 | NYISO Zone G Real-Time Off-Peak Daily Fixed Price Future            | 0.05 | 0.01 |
| 18.B.264 | NYISO Zone A Real-Time Peak Daily Fixed Price Future                | 0.05 | 0.01 |
| 18.B.265 | NYISO Zone A Real-Time Off-Peak Daily Fixed Price Future            | 0.05 | 0.01 |
| 18.B.266 | NYISO Zone D Day-Ahead Peak Daily Fixed Price Future                | 0.05 | 0.01 |
| 18.B.267 | NYISO Zone D Day-Ahead Off-Peak Daily Fixed Price Future            | 0.05 | 0.01 |

\* \* \*

# Resolution No. 2 – Position Limit/Accountability Table

|          |                               | Commodity | Contract | Unit of  | Spot<br>Month | Single Month Accountability | All Month Accountability | Aggregate 1 (Positive | Aggregate 2<br>(Negative | Exchange<br>Reportable |
|----------|-------------------------------|-----------|----------|----------|---------------|-----------------------------|--------------------------|-----------------------|--------------------------|------------------------|
| Rule     | Contract Name                 | Code      | Size     | Trading  | Limit         | Level                       | Level                    | Correlation)          | Correlation)             | Level                  |
|          | CAISO NP-15 Fifteen           |           |          |          |               |                             |                          |                       |                          |                        |
|          | Minute Marker Peak            |           |          |          |               |                             |                          |                       |                          |                        |
|          | Daily Fixed Price             |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.255 | Future                        | CIP       | 400      | Mwh      | 4,000         | 4,000                       | 7,000                    | CIP                   |                          | 1                      |
|          | CAISO NP-15 Fifteen           |           |          |          |               |                             |                          |                       |                          |                        |
|          | Minute Marker Off-            |           |          |          |               |                             |                          |                       |                          |                        |
|          | Peak Daily Fixed              | 0.0       |          |          |               |                             |                          | 0.0                   |                          |                        |
| 18.B.256 | Price Future                  | CIQ       | 25       | Mwh      | 7,500         | 2,000                       | 14,000                   | CIQ                   |                          | 1                      |
|          | CAISO SP-15 Fifteen           |           |          |          |               |                             |                          |                       |                          |                        |
|          | Minute Marker Peak            |           |          |          |               |                             |                          |                       |                          |                        |
| 10 D 257 | Daily Fixed Price             | CCV       | 400      | Made     | 750           | 2.000                       | F 000                    | CCV                   |                          | 1                      |
| 18.B.257 | Future<br>CAISO SP-15 Fifteen | CSY       | 400      | Mwh      | 750           | 2,000                       | 5,000                    | CSY                   |                          | I                      |
|          | Minute Marker Off-            |           |          |          |               |                             |                          |                       |                          |                        |
|          | Peak Daily Fixed              |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.258 | Price Future                  | CSZ       | 25       | Mwh      | 12,000        | 35,000                      | 45,000                   | CSZ                   |                          | 1                      |
| 10.D.200 | ERCOT Non-                    | 002       | 20       | 1010011  | 12,000        | 33,000                      | +3,000                   | 002                   |                          |                        |
|          | Spinning Reserve              |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.259 | Future                        | ENS       | 1        | MW       | 11,200        | 11,200                      | 11,200                   | ENS                   |                          | 1                      |
| 10.2.200 |                               | LITO      |          | 10100    | 11,200        | 11,200                      | 11,200                   | 2110                  |                          |                        |
| 40 D 000 | ERCOT Regulation              | EDI       |          | B 4) A / | 0.000         | 0.000                       | 0.000                    | EDI                   |                          |                        |
| 18.B.260 | DOWN Future                   | ERL       | 1        | MW       | 3,300         | 3,300                       | 3,300                    | ERL                   |                          | 1                      |
|          | ERCOT Regulation              |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.261 | UP Future                     | ERK       | 1        | MW       | 3,700         | 3,700                       | 3,700                    | ERK                   |                          | 1                      |
|          | NYISO Zone A Real-            |           |          |          |               |                             |                          |                       |                          |                        |
|          | Time Peak Daily               |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.264 | Fixed Price Future            | NRR       | 800      | Mwh      | 1,600         | 2,000                       | 5,000                    | NRR                   |                          | 1                      |
| 10.0.204 | Tixed Filice Future           | INIXIX    | 000      | IVIVVII  | 1,000         | 2,000                       | 3,000                    | INIXIX                |                          | ı                      |
|          | NYISO Zone A Real-            |           |          |          |               |                             |                          |                       |                          |                        |
|          | Time Off-Peak Daily           |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.265 | Fixed Price Future            | NRS       | 50       | Mwh      | 8,200         | 14,700                      | 30,000                   | NRS                   |                          | 1                      |
|          | NYISO Zone D Day-             |           |          |          |               |                             |                          |                       |                          |                        |
|          | Ahead Peak Daily              |           |          |          |               |                             |                          |                       |                          |                        |
| 18.B.266 | Fixed Price Future            | NDL       | 800      | Mwh      | 300           | 300                         | 300                      | NDL                   |                          | 1                      |

| 18.B.267 | NYISO Zone D Day-<br>Ahead Off-Peak Daily<br>Fixed Price Future | NDM | 50  | Mwh | 4,200  | 4,200  | 4,200  | NDM | 1 |  |
|----------|---|-----|-----|-----|--------|--------|--------|-----|---|--|
| 18.B.262 | NYISO Zone G Real-<br>Time Peak Daily<br>Fixed Price Future     | NRN | 800 | Mwh | 900    | 900    | 900    | NRN | 1 |  |
| 18.B.263 | NYISO Zone G Real-<br>Time Off-Peak Daily<br>Fixed Price Future | NRQ | 50  | Mwh | 15,900 | 15,900 | 15,900 | NRQ | 1 |  |

# 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

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 <a href="http://oasis.caiso.com/mrioasis/logon.do">http://oasis.caiso.com/mrioasis/logon.do</a>, 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

# 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

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 <a href="http://oasis.caiso.com/mrioasis/logon.do">http://oasis.caiso.com/mrioasis/logon.do</a>, 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

# 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

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

# 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

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

# 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

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

# 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

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

# 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

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 <a href="http://www.ercot.com/mktinfo/prices/">http://www.ercot.com/mktinfo/prices/</a>, 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html">http://www.nyiso.com/oasis/index.html</a>, 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html">http://www.nyiso.com/oasis/index.html</a> 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html">http://www.nyiso.com/oasis/index.html</a>, 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html">http://www.nyiso.com/oasis/index.html</a>, 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html,under">http://www.nyiso.com/oasis/index.html,under</a> 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

# 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

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 <a href="http://www.nyiso.com/oasis/index.html,under the headings">http://www.nyiso.com/oasis/index.html,under the headings</a>" 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

# [REMAINDER OF RULE UNCHANGED]

# ICE FUTURES U.S. BLOCK TRADE – FAQs

\* \* \*

| Contract Name   | Commodity<br>Code | Contract Size | Unit of<br>Trading | Block MQR<br>(in Lots) |
|---|-------------------|---------------|--------------------|------------------------|
| CAISO NP-15 Fifteen Minute Marker<br>Peak Daily Fixed Price Future      | CIP               | 400           | MWh                | 1                      |
| CAISO NP-15 Fifteen Minute Marker<br>Off-Peak Daily Fixed Price Future  | CIQ               | 25            | MWh                | 8                      |
| CAISO SP-15 Fifteen Minute Marker<br>Peak Daily Fixed Price Future      | CSY               | 400           | MWh                | 1                      |
| CAISO SP-15 Fifteen Minute Marker Off-<br>Peak Daily Fixed Price Future | CSZ               | 25            | MWh                | 8                      |
| ERCOT Non-Spinning Reserve Future                                       | ENS               | 1             | MW                 | 1                      |
| ERCOT Regulation DOWN Future  | ERL               | 1             | MW                 | 1                      |
| ERCOT Regulation UP Future  | ERK               | 1             | MW                 | 1                      |
| NYISO Zone G Real-Time Peak Daily<br>Fixed Price Future                 | NRN               | 800           | MWh                | 1                      |
| NYISO Zone G Real-Time Off-Peak Daily Fixed Price Future                | NRQ               | 50            | MWh                | 8                      |
| NYISO Zone A Real-Time Peak Daily<br>Fixed Price Future                 | NRR               | 800           | MWh                | 1                      |
| NYISO Zone A Real-Time Off-Peak Daily Fixed Price Future                | NRS               | 50            | MWh                | 8                      |
| NYISO Zone D Day-Ahead Peak Daily<br>Fixed Price Future                 | NDL               | 800           | MWh                | 1                      |
| NYISO Zone D Day-Ahead Off-Peak Daily<br>Fixed Price Future             | NDM               | 50            | MWh                | 8                      |

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# EXHIBIT B [EXHIBIT REDACTED]