



Submission No. 17-41  
February 23, 2017

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 Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future and Related Amendments (7 of 7)**  
**Submission Pursuant to Section 5c(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.D.028 through 18.D.031 and amendments to 18.D.005, 18.D.007 and 18.D.008, the Exchange’s No Cancellation Range (“NCR”), 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 seven new environmental futures contract, which will be listed on March 13, 2017.

### **Cross State Air Pollution TR NO<sub>x</sub>**

The Exchange is both amending an existing rule and creating a new rule to supplement existing Cross State Air Pollution (“CSAPR”) NO<sub>x</sub> futures contracts listed by the Exchange. The Exchange currently lists futures and options on two separate CSAPR NO<sub>x</sub> programs for vintage-year 2016: the CSAPR NO<sub>x</sub> Annual Allowance Future and the CSAPR NO<sub>x</sub> Ozone Season Allowance Future. The term “vintage” identifies the compliance year for which an allowance is designated. With respect to the Annual Allowance Future, the Exchange is amending Exchange Rule 18.D.005 to list an additional vintage-year—2017—which mirrors the existing vintages. With respect to the Ozone Season Future, however, the Exchange is creating new Rule 18.D.028, which also lists a 2017 vintage-year contract, but is based on a different deliverable instrument than the existing Ozone Season Allowance futures. Specifically, the new CSAPR Ozone Season Group 2 Allowance futures call for delivery of CSAPR *Group 2* NO<sub>x</sub> Ozone Season Trading Program Allowances. As explained more fully in Exhibit B, the Group 2 Allowances track new rules finalized by the US EPA in September 2016, which amend the CSAPR Ozone Season cap and trade program.

Aside from the difference in deliverable instruments for the new CASPR NO<sub>x</sub> Ozone Season contracts, the basic contract specifications for both of the new CSAPR TR NO<sub>x</sub> 2017 vintage-year futures—Annual Allowance and Ozone Season—match those for the CSAPR TR NO<sub>x</sub> futures vintages currently listed by the Exchange. Specifically, the contract size, listing cycle, IPL Amount (\$60.00), IPL Recalculation Time (3 seconds), IPL Hold Period (5 seconds) and NCR (\$10.00) are consistent with the existing vintages. The minimum block sizes of 4 lots for the new contracts are also set at the same level as existing vintages. The minimum price fluctuation has been set at \$0.01 for screen and block trades, which is consistent with similar environmental contracts currently listed by the Exchange. The spot

month position limits for the new CSAPR NO<sub>x</sub> Annual Allowance futures contracts—6,000 lots—are set at levels that are consistent with the spot month position limits for similar environmental contracts currently listed by the Exchange. The spot month position limits for the new CSAPR NO<sub>x</sub> Ozone Season Group 2 futures contracts are set at 4,000 lots. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the aforementioned contracts is attached hereto as Exhibit B.

### **Cross State Air Pollution TR SO<sub>2</sub>**

The Cross State Air Pollution Rule TR SO<sub>2</sub> futures contracts call for the delivery of CSAPR TR SO<sub>2</sub> Trading Program Allowances. The Exchange currently lists a CSAPR SO<sub>2</sub> Group 1 Allowance Future and a CSAPR SO<sub>2</sub> Group 2 Allowance Future for vintage-year 2016. Amendments to Exchange Rules 18.D.007 and 18.D.008 list futures for the 2017 vintage-year for these two contracts.

All contract specifications for the new CSAPR SO<sub>2</sub> futures, such as the contract size, listing cycle, IPL Amount (\$60.00), IPL Recalculation Time (3 seconds), IPL Hold Period (5 seconds) and NCR (\$10.00) match those for the CSAPR SO<sub>2</sub> Group 1 and Group 2 Allowance futures vintages currently listed by the Exchange. The minimum block sizes of 4 lots for the new contracts are also set at the same level as existing vintages. The minimum price fluctuation has been set at \$0.01 for screen and block trades, which is consistent with similar environmental contracts currently listed by the Exchange. The spot month position limits for the new CSAPR SO<sub>2</sub> futures contracts—10,000 lots for Group 1 and 5,000 lots for Group 2—are set at levels that are consistent with the spot month position limits for similar environmental contracts currently listed by the Exchange.

### **Pennsylvania Compliance Alternative Energy Certificate Tier 1**

Pursuant to Pennsylvania's Alternative Energy Portfolio Standards Act, sellers of retail electricity are required to acquire certificates produced by renewable energy generation (i.e., alternative energy certificates or "AECs") corresponding to their retail sales. The AECs are issued in the PJM Environmental Information System Generation Attribute Tracking System ("PJM GATS"). The Exchange is listing four new vintage-year contracts that call for the delivery of Pennsylvania Tier 1 AECs.

The Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Futures have a contract size of 100 MWh representing 100 qualifying Tier 1 AECs. The minimum price fluctuation is \$0.01 for screen trades and \$0.01 for block trades. With respect to the listing cycle, the Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years. The Standard Cycle is January, February, March, April, May, June, July, August, September, October, November and December. The IPL Amount will be set at \$2.50, the IPL Recalculation Time will be set at 3 seconds and the IPL Hold Period is set at 5 seconds. The NCR is \$0.25. The block trade minimum size is 50 lots. Spot month position limits for the Pennsylvania Compliance Alternative Energy Certificates Tier 1 Vintage Futures are being set at 30,000 lots. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the aforementioned contracts is attached hereto as Exhibit B.

### **NEPOOL Dual Qualified Renewable Energy Certificate Class 1**

Massachusetts and Connecticut put in place legislation—commencing in 2003 and 2005, respectively—that require sellers of retail electricity to acquire certificates produced by renewable energy generation in amounts corresponding to their retail sales. The Exchange is listing eight new vintage-year contracts that are based on such Class 1 Renewable Energy Certificates ("Class 1 RECs") where a REC is an electronic certificate issued by the NEPOOL GIS system for generation simultaneously qualifying for

the Massachusetts Class 1 and Connecticut Class 1 portions of the Renewable Portfolio Standard programs.

The new vintage-year futures contracts have a contract size of 100 MWh representing 100 qualifying Class 1 RECs. The minimum price fluctuation is \$0.01 for screen trades and \$0.01 for block trades. With respect to the listing cycle, the Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years. The Standard Cycle is January, February, March, April, May, June, July, August, September, October, November and December. The IPL Amount will be set at \$10.00, the IPL Recalculation Time will be set at 3 seconds and the IPL Hold Period is set at 5 seconds. The NCR is \$1.00. The block trade minimum size is 50 lots. Spot month position limits for the NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future are being set at 10,000 lots. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the aforementioned contracts is attached hereto as Exhibit B.

### **Maryland Compliance Renewable Energy Certificate Tier 1**

The Exchange is listing eight new vintage-year contracts that call for the delivery of Maryland Tier 1 Renewable Energy Certificate ("Maryland Tier I REC"). Pursuant to Maryland's Renewable Energy Portfolio Standard, sellers of retail electricity are required to acquire certificates produced by renewable energy generation (i.e., RECs) in amounts corresponding to their retail sales. The RECs are issued in the PJM Environmental Information System Generation Attribute Tracking System ("PJM GATS").

The Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Futures have a contract size of 100 MWh representing 100 qualifying Tier 1 RECs. The minimum price fluctuation is \$0.01 for screen trades and \$0.01 for block trades. With respect to the listing cycle, the Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years. The Standard Cycle is January, February, March, April, May, June, July, August, September, October, November and December. The IPL Amount will be set at \$2.50, the IPL Recalculation Time will be set at 3 seconds and the IPL Hold Period is set at 5 seconds. The NCR is \$0.25. The block trade minimum size is 50 lots. Spot month position limits for the Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future are being set at 30,000 lots. A Deliverable Supply Analysis detailing the methodology the Exchange used to determine the spot month position limits for the aforementioned contracts is attached hereto as Exhibit B.

### **Certifications**

The new rules and rule amendments will become effective with the listing of the new physical environmental contracts on March 13, 2017. The Exchange is not aware of any substantive opposing views to the new physical environmental contracts. The Exchange certifies that the rule amendments comply with the 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 physical environmental contracts are set forth in new Rules 18.D.028 through 18.D.031 and amendments to 18.D.005, 18.D.007 and 18.D.008, the Exchange's No Cancellation Range ("NCR"), 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 physical environmental 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 physical environmental futures and 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. Positions in the options will be aggregated with the underlying futures contracts and subject to the position limits currently in place for the underlying futures contracts.

**FINANCIAL INTEGRITY OF CONTRACTS**

The new physical environmental 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 (<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

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

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

<b>Rule Number</b>	<b>Product</b>	<b>Minimum Price Screen</b>	<b>Fluctuation Blocks and other trades outside the central limit order book</b>
--------------------	----------------	-----------------------------	---

\* \* \*

18.D.005	Cross State Air Pollution Rule TR NOx Annual Allowance Futures - Vintages 2016 - <u>2017</u>	\$0.01	\$0.01
18.D.007	Cross State Air Pollution Rule TR SO2 Group 1 Allowance Futures - Vintages 2016 - <u>2017</u>	\$0.01	\$0.01
18.D.008	Cross State Air Pollution Rule TR SO2 Group 2 Allowance Futures - Vintages 2016 - <u>2017</u>	\$0.01	\$0.01
<u>18.D.028</u>	<u>Cross State Air Pollution Rule TR NOx Ozone Season Allowance Futures - Vintage 2017</u>	<u>\$0.01</u>	<u>\$0.01</u>
<u>18.D. 029</u>	<u>Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future – Vintages 2016 - 2023</u>	<u>\$0.01</u>	<u>\$0.01</u>
<u>18.D.030</u>	<u>NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future – Vintages 2016 - 2023</u>	<u>\$0.01</u>	<u>\$0.01</u>
<u>18.D.031</u>	<u>Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future – Vintages 2016 - 2023</u>	<u>\$0.01</u>	<u>\$0.01</u>

\* \* \*

## Resolution No. 2 – Position Limit/Accountability Table

Rule	Contract Name	Commodity Code	Contract Size	Unit of Trading	Spot Month Limit	Single Month Accountability Level	All Month Accountability Level	Aggregate 1 (Positive Correlation)	Aggregate 2 (Negative Correlation)	Exchange Reportable Level
18.D.005	Cross State Air Pollution TR NOx Annual Allowance Future - Vintage 2017	NAP	25	US EPA TR NOx Annual Allowances	6,000	6,000	6,000	NAP		25
18.D.028	Cross State Air Pollution Rule NOx Ozone Season Group 2 Allowance Future - Vintage 2017	NOS	25	US EPA Group 2 NOx Ozone Season Allowances	4,000	4,000	4,000	NOS		25
18.D.007	Cross State Air Pollution TR SO2 Group 1 Allowance Future - Vintage 2017	SOQ	25	US EPA TR SO2 Group 1 Allowances	10,000	10,000	10,000	SOQ		25
18.D.008	Cross State Air Pollution TR SO2 Group 2 Allowance Future - Vintage 2017	STP	25	US EPA TR SO2 Group 2 Allowances	5,000	5,000	5,000	STP		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2016	MC6	100	Mwh of REC	30,000	30,000	30,000	MC6		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2017	MC7	100	Mwh of REC	30,000	30,000	30,000	MC7		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2018	MC8	100	Mwh of REC	30,000	30,000	30,000	MC8		25

18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2019	MC9	100	Mwh of REC	30,000	30,000	30,000	MC9	25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2020	MC0	100	Mwh of REC	30,000	30,000	30,000	MC0	25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2021	MC1	100	Mwh of REC	30,000	30,000	30,000	MC1	25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2022	MC2	100	Mwh of REC	30,000	30,000	30,000	MC2	25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2023	MC3	100	Mwh of REC	30,000	30,000	30,000	MC3	25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	NE6	100	MWh of REC	10,000	10,000	10,000	NE6	25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	NE7	100	MWh of REC	10,000	10,000	10,000	NE7	25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	NE8	100	MWh of REC	10,000	10,000	10,000	NE8	25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future -	NE9	100	MWh of REC	10,000	10,000	10,000	NE9	25

	Vintage 2019									
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	NE0	100	MWh of REC	10,000	10,000	10,000	NE0		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	NE1	100	MWh of REC	10,000	10,000	10,000	NE1		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	NE2	100	MWh of REC	10,000	10,000	10,000	NE2		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	NE3	100	MWh of REC	10,000	10,000	10,000	NE3		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2016	PC6	100	MWh of REC	30,000	30,000	30,000	PC6		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2017	PC7	100	MWh of REC	30,000	30,000	30,000	PC7		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2018	PC8	100	MWh of REC	30,000	30,000	30,000	PC8		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2019	PC9	100	MWh of REC	30,000	30,000	30,000	PC9		25



18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2020	PC0	100	MWh of REC	30,000	30,000	30,000	PC0	25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2021	PC1	100	MWh of REC	30,000	30,000	30,000	PC1	25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2022	PC2	100	MWh of REC	30,000	30,000	30,000	PC2	25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2023	PC3	100	MWh of REC	30,000	30,000	30,000	PC3	25

**18.D.005 Cross State Air Pollution TR NOx Annual Allowance Future**

**Contract Description:** Physically delivered EPA Cross State Air Pollution (“CSAPR”) TR NOx Annual Trading Program Allowances (“U.S. EPA CSAPR TR NOx Annual Allowances”).

**Contract Symbol:** NAK: Vintage 2012, NAL: Vintage 2015, NAN: Vintage 2016, [NAP: Vintage 2017](#)

**Settlement Method:** Physical delivery

**Contract Size:** 5 U.S. EPA CSAPR TR NOx Annual Allowances (Vintage 2012)

25 U.S. EPA CSAPR TR NOx Annual Allowances (Vintage 2015 and after)

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One cent (\$0.01) per U.S. EPA TR NOx Annual Allowance; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.

2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** Allowances acceptable for delivery are those designated as U.S. EPA CSAPR TR NOx Annual Allowances as promulgated under CSAPR having a vintage corresponding to the specified vintage and allowances having a vintage of any year prior to the specified vintage-year.

If the specified vintage year allowances do not exist in the allowance tracking system at contract expiry, allowances of any prior vintage year or allowances of the earliest vintage year available in the allowance tracking system shall be delivered.

Applicable for contracts with a 2015 vintage designation, allowances deliverable are only those having a 2015 vintage.

**Registry:** CAMD ATS

### **18.D.007 Cross State Air Pollution TR SO2 GROUP 1 Allowance Future**

**Contract Description:** Physically delivered EPA Cross State Air Pollution (“CSAPR”) TR SO2 Group 1 Trading Program Allowances (“U.S. EPA CSAPR TR SO2 Group 1 Trading Program Allowance”).

**Contract Symbol:** SOM: Vintage 2015, SOP: Vintage 2016, [SOQ: Vintage 2017](#)

**Settlement Method:** Physical delivery

**Contract Size:** 25 U.S. EPA CSAPR TR SO2 Group 1 Trading Program Allowances

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One cent (\$0.01) per U.S. EPACSAPR TR SO2 Group 1 Trading Program Allowance; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.

2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** Allowances acceptable for delivery are those designated as U.S. EPA CSAPR TR SO2 Group 1 Trading Program Allowances as promulgated under CSAPR having a vintage corresponding to the specified vintage and allowances having a vintage of any year prior to the specified vintage-year.

If the specified vintage year allowances do not exist in the allowance tracking system at contract expiry, allowances of any prior vintage year or allowances of the earliest vintage year available in the allowance tracking system shall be delivered.

Applicable for contracts with a 2015 vintage designation, allowances deliverable are only those having a 2015 vintage.

Registry: CAMD ATS

### **18.D.008 Cross State Air Pollution TR SO2 GROUP 2 Allowance Future**

**Contract Description:** Physically delivered EPA Cross State Air Pollution (“CSAPR”) TR SO2 Group 2 Trading Program Allowances (“U.S. EPA CSAPR TR SO2 Group 2 Trading Program Allowance”).

**Contract Symbol:** STK, STL: Vintage 2015, STN: Vintage 2016, [STP: Vintage 2017](#)

**Settlement Method:** Physical delivery

**Contract Size:** 25 U.S. EPA CSAPR TR SO2 Group 2 Trading Program Allowances

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One cent (\$0.01) per U.S. EPA CSAPR TR SO2 Group 2 Trading Program Allowance; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18.

**Listing Cycle:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.

2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** Allowances acceptable for delivery are those designated as U.S. EPA CSAPR TR SO2 Group 2 Trading Program Allowances as promulgated under CSAPR having a vintage corresponding to the specified vintage and allowances having a vintage of any year prior to the specified vintage-year.

If the specified vintage year allowances do not exist in the allowance tracking system at contract expiry, allowances of any prior vintage year or allowances of the earliest vintage year available in the allowance tracking system shall be delivered.

Applicable for contracts with a 2015 vintage designation, allowances deliverable are only those having a 2015 vintage.

Registry: CAMD ATS

**18.D.028 Cross State Air Pollution Rule NOx Ozone Season Group 2 Allowance Future**

**Contract Description:** Physically delivered EPA Cross State Air Pollution Rule (“CSAPR”) Group 2 NOx Ozone Season Trading Program Allowances (“U.S. EPA CSAPR Group 2 NOx Ozone Season Trading Program Allowance”).

**Contract Symbol:** NOS: Vintage 2017

**Settlement Method:** Physical delivery

**Contract Size:** 25 U.S. EPA CSAPR Group 2 NOx Ozone Season Allowances

**Currency:** USD

**Minimum Price Fluctuation:** The price quotation convention shall be One cent (\$0.01) per U.S. EPA Group 2 NOx Ozone Season Allowance; minimum price fluctuation may vary by trade type. Please see Table in Resolution 1 to this Chapter 18

**Listing Cycle:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.

2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instrument:** Allowances acceptable for delivery are those designated as U.S. EPA CSAPR Group 2 NOx Ozone Season Trading Program Allowances as promulgated under the CSAPR Update having a vintage corresponding to the specified vintage of the expiring contract.

**Registry:** CAMD ATS

**18.D.0029 Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future**

**Contract Description:** Physically delivered Maryland Tier 1 Renewable Energy Certificate (“Maryland Tier I REC”) where a REC is an electronic certificate issued by PJM GATS for qualifying generation.

**Contract Symbol:** MC6: Vintage 2016, MC7: Vintage 2017, MC8: Vintage 2018,  
MC9: Vintage 2019, MC0: Vintage 2020, MC1: Vintage 2021,  
MC2: Vintage 2022, MC3: Vintage 2023

**Settlement Method:** Physical delivery

**Contract Size:** 100 MWh representing 100 qualifying Tier 1 RECs

**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:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.  
2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** Maryland Tier 1 RECs eligible for delivery are those which are eligible to meet the Tier 1 renewable energy requirement (as defined in the Maryland Renewable Energy Portfolio Standard promulgated under 7-701 of the Public Utilities Article of the Annotated Code of Maryland and issued by PJM GATS having a vintage or energy year designation that corresponds to the specified vintage of the expiring contract.

**Registry:** PJM GATS

### **18.D.030 NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future**

**Contract Description:** Physically delivered Class 1 Renewable Energy Certificates (“Class 1 RECs”) where a REC is an electronic certificate issued by the NEPOOL GIS system for generation simultaneously qualifying for the Massachusetts Class 1 and Connecticut Class 1 portions of the Renewable Portfolio Standard programs.

**Contract Symbol:** NE6: Vintage 2016, NE7: Vintage 2017, NE8: Vintage 2018,  
NE9: Vintage 2019, NE0: Vintage 2020, NE1: Vintage 2021,  
NE2: Vintage 2022, NE3: Vintage 2023

**Settlement Method:** Physical delivery

**Contract Size:** 100 MWh representing 100 qualifying Class 1 RECs

**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:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.  
2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** RECs eligible for delivery are those that simultaneously qualify in Massachusetts and Connecticut as specified.

Massachusetts Class 1 RECs eligible for delivery are those representing Class 1 renewable energy (defined in Massachusetts General Law c.25A, 11F(c)) eligible to meet the Class I requirement of the Renewable Energy Portfolio Standard promulgated under Massachusetts General Law c.25A 11F and issued by NEPOOL GIS having a vintage or energy year designation that corresponds to the specified vintage of the expiring contract

Connecticut Class 1 RECs eligible for delivery are those representing Class 1 renewable energy (defined in General Statutes of Connecticut, Title 16, c. 277, §16-1(26)) eligible to meet Class I requirement of the Renewable Energy Portfolio Standard promulgated under General Statutes of Connecticut (Title 16, c. 283, §16-245a) and issued by NEPOOL GIS having a vintage or energy year designation that corresponds to the specified vintage of the expiring contract.

**Registry:** NEPOOL GIS

**18.D.031 Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future**

**Contract Description:** Physically delivered Pennsylvania Tier 1 Alternative Energy Certificates (“Pennsylvania Tier I AEC”) where an AEC is an electronic certificate issued by PJM GATS for qualifying generation.

**Contract Symbol:** PC6: Vintage 2016, PC7: Vintage 2017, PC8: Vintage 2018,  
PC9: Vintage 2019, PC0: Vintage 2020, PC1: Vintage 2021,  
PC2: Vintage 2022, PC3: Vintage 2023

**Settlement Method:** Physical delivery

**Contract Size:** 100 MWh representing 100 qualifying Tier 1 AECs

**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:** 1. The Exchange may list monthly contracts in the Standard Cycle or any other calendar month it determines for the current year and forward for up to ten years.  
2. The Standard Cycle is: January, February, March, April, May, June, July, August, September, October, November and December

**Last Trading Day:** Three Business Days prior to the last Business Day of the delivery month

**Deliverable Instruments:** Pennsylvania Tier 1 AECs eligible for delivery are those which are eligible to meet the Tier 1 renewable energy requirement in the state of Pennsylvania. The requirements are specified in Pennsylvania Statutes Title 73 Chapter 18F and issued by PJM GATs having a vintage or energy year designation that corresponds to the specified vintage of the expiring contract.

**Registry:** PJM GATS

**[REMAINDER OF RULE UNCHANGED]**



## ICE FUTURES U.S. BLOCK TRADE – FAQs

\* \* \*

Contract Name	Commodity Code	Contract Size	Unit of Trading	Block Minimum (in Lots)
Cross State Air Pollution TR NOx Annual Allowance Future - Vintage 2017	NAP	25	Allowance	4
Cross State Air Pollution Rule NOx Ozone Season Group 2 Allowance Future - Vintage 2017	NOS	25	Allowance	4
Cross State Air Pollution TR SO2 Group 1 Allowance Future - Vintage 2017	SOQ	25	Allowance	4
Cross State Air Pollution TR SO2 Group 2 Allowance Future - Vintage 2017	STP	25	Allowance	4
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2016	MC6	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2017	MC7	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2018	MC8	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2019	MC9	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2020	MC0	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2021	MC1	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2022	MC2	100	MWh	50
Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2023	MC3	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	NE6	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	NE7	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	NE8	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	NE9	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	NE0	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	NE1	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	NE2	100	MWh	50
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	NE3	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2016	PC6	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2017	PC7	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1	PC8	100	MWh	50

Vintage Future - Vintage 2018				
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2019	PC9	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2020	PC0	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2021	PC1	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2022	PC2	100	MWh	50
Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2023	PC3	100	MWh	50

\* \* \*

**ICE FUTURES U.S.**  
**Energy Division No Cancellation Ranges**

\* \* \*

US Environmental	Month	Option	Min/Max Range
RGGI	0.10	20% of Premium FMV up to 0.10	0.05/0.10
CAR-CRT, CFI-US & REC-NJ, TX REC, <u>MD AEC, PA REC</u>	0.25	20% of Premium FMV up to 0.25	0.05/0.25
CCA; PJM TRI - QEC, OCA (Ontario)	0.25	20% of Premium FMV up to 0.25	0.01/0.25
SFI	0.50	20% of Premium FMV up to 0.50	0.05/0.50
CT & MA REC, <u>NEPOOL REC</u>	1.00	20% of Premium FMV up to 1.00	0.05/1.00
CSAPR SO2 & NOX	10.00	20% of Premium FMV up to 10.00	0.50/10.00
RIN	0.05	20% of Premium FMV up to 0.05	0.01/0.05
MA, MD, NJ & PA SREC, MA SREC Carve Out; CAIR NOX	5.00	20% of Premium FMV up to 5.00	0.50/5.00

\* \* \*

**EXHIBIT B**

**[EXHIBIT REDACTED]**