



55 East 52<sup>nd</sup> Street  
New York, NY 10055

**BY ELECTRONIC TRANSMISSION**

Submission No. 17-173  
August 31, 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: Amendments to Resolution No. 2 of Chapter 18 - 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 Resolution No. 2 of Chapter 18 of the Exchange’s Rulebook, as set forth in Exhibit A.

**Amendments to Position Limits for Physical Environmental Futures Contracts**

In conjunction with Submission Nos. 17-153 through 17-172, the amendments to Resolution No. 2 of Chapter 18 increase position limits and single month accountability levels for all vintages of the below physical environmental futures, and their related options contracts, to align them with the levels set for the new non-vintage-specific contracts into which they will aggregate, as provided in Exhibit A:

- Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future
- Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future
- Maryland Solar Renewable Energy Certificate Future
- Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future
- Massachusetts Solar Renewable Energy Certificate Future
- Massachusetts Solar Renewable Energy Certificate Carve Out II Future

- NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future
- New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future
- New Jersey Solar Renewable Energy Certificate Future
- Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future
- Pennsylvania Solar Alternative Energy Certificate Future
- PJM Tri-Qualified Renewable Energy Certificate Class 1 Future

The Exchange will implement the position limit changes on September 18, 2017, effective for all expiration months, including those with open interest.

### **Certifications**

The Exchange certifies that the amendments to position limits 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 amendments comply with the following relevant Core Principles:

#### **COMPLIANCE WITH RULES**

The amended position limit levels for the aforementioned physical environmental futures and options contracts are set forth in Resolution No.2 of Chapter 18 and will be enforced by the Exchange. In addition, trading of these contracts is subject to all relevant Exchange rules which are enforced by the Market Regulation Department.

#### **CONTRACTS NOT READILY SUBJECT TO MANIPULATION**

The Exchange's physical environmental contracts are not readily subject to manipulation as they are based on established and liquid underlying cash markets. In addition, trading of the contracts will continue to be monitored by the Market Regulation Department.

#### **POSITION LIMITS OR ACCOUNTABILITY**

Positions in the aforementioned physical environmental futures and options contracts will continue to be subject to position limits set by the Exchange. As described above, such position limits are based upon the deliverable supply in the cash market. A detailed Cash Market and Deliverable Supply Analysis is attached hereto as Exhibit B.

#### **FINANCIAL INTEGRITY OF CONTRACTS**

The aforementioned physical environmental futures and options contracts will continue to 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 is not aware of any substantive opposing views expressed by members or others with respect to the amendments and 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>).

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,

A handwritten signature in blue ink, appearing to read "Conor Weber", is centered on the page.

Conor Weber  
Compliance Counsel  
Market Regulation

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

**EXHIBIT A**

**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.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	CC9	100	MWh of REC	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	CR0	100	MWh of REC	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	CR1	100	MWh of REC	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	CR2	100	MWh of REC	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	CR3	100	MWh of REC	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	<u>17,500</u> [45,000]	CTT		25

18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2015	CC5	100	MWh of REC	<u>17,500</u> <del>[3,800]</del>	<u>17,500</u> <del>[3,800]</del>	<u>17,500</u> <del>[3,800]</del>	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	CC6	100	MWh of REC	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	CC7	100	MWh of REC	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	CTT		25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	CC8	100	MWh of REC	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	<u>17,500</u> <del>[45,000]</del>	CTT		25
18.D.039	<u>Connecticut Compliance Renewable Energy Certificate Class 1 Future</u>	CTT	100	<u>MWh of REC</u>	<u>17,500</u>	<u>17,500</u>	<u>17,500</u>	CTT	-	25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2016	MC6	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> [30,000]	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2017	MC7	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> [30,000]	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2018	MC8	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> [30,000]	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2019	MC9	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> [30,000]	MDE		25

18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2020	MC0	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2021	MC1	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2022	MC2	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	MDE		25
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2023	MC3	100	Mwh of REC	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	<u>62,500</u> <del>[30,000]</del>	MDE		25
<u>18.D.035</u>	<u>Maryland Compliance Renewable Energy Credit Tier 1 Future</u>	<u>MDE</u>	<u>100</u>	<u>MWh of REC</u>	<u>62,500</u>	<u>62,500</u>	<u>62,500</u>	<u>MDE</u>	<u>-</u>	<u>25</u>
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2016	MD6	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2017	MD7	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2018	MD8	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2019	MD9	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2020	MD0	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25

18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2021	MD1	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2022	MD2	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
18.D.026	Maryland Solar Renewable Energy Certificate Future - Vintage 2023	MD3	10	MWh of SREC	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	<u>12,000</u> <del>[5,000]</del>	MDX		25
<u>18.D.037</u>	<u>Maryland Solar Renewable Energy Credit Future</u>	<u>MDX</u>	<u>10</u>	<u>MWh of SREC</u>	<u>12,000</u>	<u>12,000</u>	<u>12,000</u>	<u>MDX</u>	<u>-</u>	<u>25</u>
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2015	MB5	100	Mwh of REC	<u>15,000</u> <del>[3,500]</del>	<u>15,000</u> <del>[6,000]</del>	<u>15,000</u> <del>[12,000]</del>	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	MB6	100	Mwh of REC	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	MB7	100	Mwh of REC	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	MB8	100	Mwh of REC	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	MB9	100	Mwh of REC	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future -	MB0	100	Mwh of REC	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	<u>15,000</u> <del>[12,500]</del>	MCL		25

	Vintage 2020									
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	MB1	100	Mwh of REC	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> [42,500]	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	MB2	100	Mwh of REC	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> [42,500]	MCL		25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	MB3	100	Mwh of REC	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> <del>[42,500]</del>	<u>15,000</u> [42,500]	MCL		25
<u>18.D.040</u>	<u>Massachusetts Compliance Renewable Energy Certificate Class I Future</u>	<u>MCL</u>	<u>100</u>	<u>MWh of REC</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>MCL</u>	<u>-</u>	<u>25</u>
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2015	MQ5	10	MWh of SREC	<u>18,000</u> <del>[2,000]</del>	<u>18,000</u> <del>[2,000]</del>	<u>18,000</u> [2,000]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2016	MQ6	10	MWh of SREC	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> [42,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2017	MQ7	10	MWh of SREC	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> [42,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2018	MQ8	10	MWh of SREC	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> [42,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2019	MQ9	10	MWh of SREC	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> [42,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future -	MQ0	10	MWh of SREC	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> <del>[42,500]</del>	<u>18,000</u> [42,500]	MSF		25



	Vintage 2020									
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2021	MQ1	10	MWh of SREC	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> [12,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2022	MQ2	10	MWh of SREC	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> [12,500]	MSF		25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2023	MQ3	10	MWh of SREC	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> <del>[12,500]</del>	<del>18,000</del> [12,500]	MSF		25
<u>18.D.032</u>	<u>Massachusetts Solar Renewable Energy Certificate Carve Out I Future</u>	<u>MSF</u>	<u>10</u>	<u>MWh of SREC</u>	<u>18,000</u>	<u>18,000</u>	<u>18,000</u>	<u>MSF</u>	<u>-</u>	<u>25</u>
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2016	MA6	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2017	MA7	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2018	MA8	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2019	MA9	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2020	MA0	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2021	MA1	10	MWh of SREC	<del>6,250</del> <del>[4,000]</del>	<del>6,250</del> [4,000]	<del>6,250</del> [4,000]	MS2		25

18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2022	MA2	10	MWh of SREC	<u>6,250</u> [4,000]	<u>6,250</u> [4,000]	<u>6,250</u> [4,000]	MS2		25
18.D.023	Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2023	MA3	10	MWh of SREC	<u>6,250</u> [4,000]	<u>6,250</u> [4,000]	<u>6,250</u> [4,000]	MS2		25
18.D.033	<u>Massachusetts Solar Renewable Energy Certificate Carve Out II Future</u>	<u>MS2</u>	<u>10</u>	<u>MWh of SREC</u>	<u>6,250</u>	<u>6,250</u>	<u>6,250</u>	<u>MS2</u>	<u>-</u>	<u>25</u>
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	NE6	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	NE7	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	NE8	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	NE9	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	NE0	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	NE1	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	NE2	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25

	Certificate Class 1 Vintage Future - Vintage 2022									
18.D.030	NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	NE3	100	MWh of REC	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	<u>15,000</u> [40,000]	NER		25
18.D.041	<u>NEPOOL Dual Qualified Compliance Renewable Energy Certificate Class I Future</u>	NER	<u>100</u>	<u>MWh of REC</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	NER	-	<u>25</u>
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2015	NCR	100	Mwh of REC	<u>47,500</u> [3,500]	<u>47,500</u> [8,000]	<u>47,500</u> [16,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2016	NCS	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	NCT	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	NCU	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	NCV	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	NCW	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy	NCX	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25

	Certificate Class 1 Vintage Future - Vintage 2021									
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	NCY	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
18.D.018	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	NCZ	100	Mwh of REC	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	<u>47,500</u> [40,000]	NJN		25
<u>18.D.034</u>	<u>New Jersey Compliance Renewable Energy Certificate Class 1 Future</u>	<u>NJN</u>	<u>100</u>	<u>MWh of REC</u>	<u>47,500</u>	<u>47,500</u>	<u>47,500</u>	<u>NJN</u>	<u>-</u>	<u>25</u>
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2013	NJE	10	MWh	<u>45,000</u> [2,500]	<u>45,000</u> [5,000]	<u>45,000</u> [40,000]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2014	NJF	10	MWh	<u>45,000</u> [2,500]	<u>45,000</u> [5,000]	<u>45,000</u> [40,000]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2015	NJG	10	MWh	<u>45,000</u> [2,500]	<u>45,000</u> [5,000]	<u>45,000</u> [40,000]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2016	NJH	10	MWh	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2017	NJI	10	MWh	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2018	NJJ	10	MWh	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future -	NJK	10	MWh	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	<u>45,000</u> [37,500]	NPS		25

	Energy Year 2019									
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2020	NJL	10	MWh	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2021	NJ1	10	MWh	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2022	NJ2	10	MWh	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	NPS		25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2023	NJ3	10	MWh	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	<u>45,000</u> <del>[37,500]</del>	NPS		25
18.D.042	<u>New Jersey Solar Renewable Energy Certificate Prior Year Future</u>	NPR	10	<u>MWh of SREC</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	NPR		<u>25</u>
18.D.043	<u>New Jersey Solar Renewable Energy Certificate Future</u>	NPS	10	<u>MWh of SREC</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	NPS	-	<u>25</u>
18.E.085	<u>Option on New Jersey Solar Renewable Energy Certificate Future</u>	NPS	10	<u>MWh</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	NPS	-	<u>25</u>
18.E.086	<u>One Year Mid-Curve Option on New Jersey Solar Renewable Energy Certificate Future</u>	NPP	10	<u>MWh</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	NPS	-	<u>25</u>
18.E.087	<u>Two Year Mid-Curve Option on New Jersey Solar Renewable Energy Certificate Future</u>	NPQ	10	<u>MWh</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	NPS	-	<u>25</u>
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2016	PC6	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	PAR		25

18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2017	PC7	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2018	PC8	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2019	PC9	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2020	PC0	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2021	PC1	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2022	PC2	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
18.D.031	Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future - Vintage 2023	PC3	100	MWh of REC	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> <del>[30,000]</del>	<u>57,500</u> [30,000]	PAR		25
<u>18.D.036</u>	<u>Pennsylvania Compliance Alternative Energy Credit Tier 1 Future</u>	<u>PAR</u>	<u>100</u>	<u>MWh of REC</u>	<u>57,500</u>	<u>57,500</u>	<u>57,500</u>	<u>PAR</u>	<u>-</u>	<u>25</u>
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2016	PA6	10	MWh of SREC	<u>24,000</u> <del>[40,000]</del>	<u>24,000</u> <del>[40,000]</del>	<u>24,000</u> [40,000]	PAX		25

18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2017	PA7	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2018	PA8	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2019	PA9	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2020	PA0	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2021	PA1	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2022	PA2	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
18.D.025	Pennsylvania Solar Alternative Energy Certificate Future - Vintage 2023	PA3	10	MWh of SREC	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	<u>24,000</u> [40,000]	PAX		25
<u>18.D.038</u>	<u>Pennsylvania Solar Alternative Energy Credit Future</u>	<u>PAX</u>	<u>10</u>	<u>MWh of SREC</u>	<u>24,000</u>	<u>24,000</u>	<u>24,000</u>	<u>PAX</u>	<u>-</u>	<u>25</u>
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2015	TQA	100	MWh	<u>42,500</u> [5,000]	<u>42,500</u> [5,000]	<u>42,500</u> [5,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2016	TQB	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2017	TQC	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25

18.E.073	Option on PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	TQC	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2018	TQD	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.E.073	Option on PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2018	TQD	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2019	TQE	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.E.073	Option on PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2019	TQE	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2020	TQF	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.E.073	Option on PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020	TQF	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Future - Vintage 2021	TQG	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.E.073	Option on PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	TQG	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1	TQH	100	MWh	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25



	Vintage Future - Vintage 2022									
18.E.073	Option on PJM Tri- Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	TQH	100	MWh	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> [30,000]	PPR		25
18.D.020	PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	TQI	100	MWh	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> [30,000]	PPR		25
18.E.073	Option on PJM Tri- Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	TQI	100	MWh	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> <del>[30,000]</del>	<u>42,500</u> [30,000]	PPR		25
<u>18.D.044</u>	<u>PJM Tri Qualified Renewable Energy Certificate Class I Prior Year Future</u>	<u>PPY</u>	<u>100</u>	<u>MWh</u>	<u>42,500</u>	<u>42,500</u>	<u>42,500</u>	<u>PPY</u>	-	<u>25</u>
<u>18.D.045</u>	<u>PJM Tri Qualified Renewable Energy Certificate Class I Future</u>	<u>PPR</u>	<u>100</u>	<u>MWh</u>	<u>42,500</u>	<u>42,500</u>	<u>42,500</u>	<u>PPR</u>	-	<u>25</u>
<u>18.E.088</u>	<u>Option on PJM Tri Qualified Renewable Energy Certificate Class I Future</u>	<u>PPR</u>	<u>100</u>	<u>MWh</u>	<u>42,500</u>	<u>42,500</u>	<u>42,500</u>	<u>PPR</u>	-	<u>25</u>
<u>18.E.089</u>	<u>One Year Mid-Curve Option on PJM Tri Qualified Renewable Energy Certificates Class I Future</u>	<u>PPS</u>	<u>100</u>	<u>MWh</u>	<u>42,500</u>	<u>42,500</u>	<u>42,500</u>	<u>PPR</u>	-	<u>25</u>
<u>18.E.090</u>	<u>Two Year Mid-Curve Option on PJM Tri Qualified Renewable Energy Certificates Class I Future</u>	<u>PPT</u>	<u>100</u>	<u>MWh</u>	<u>42,500</u>	<u>42,500</u>	<u>42,500</u>	<u>PPR</u>	-	<u>25</u>

**EXHIBIT B**

**[EXHIBIT REDACTED]**