

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 21st 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 <u>conor.weber@theice.com</u>.

Sincerely,

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 Accountabili ty Level	All Month Accountability Level	Aggregate 1 (Positive Correlation)	Aggregate 2 (Negative Correlation)	Exchange Reportable Level
	Connecticut Compliance Renewable									
18.D.019	Energy Certificate Class 1 Vintage Future - Vintage 2019	CC9	100	MWh of REC	17,500 [15,000]	<u>17,500</u> [15,000]	<u>17,500</u> [15,000]	СТТ		25
10.0.010	Connecticut	000	100	T(LO	[10,000]	[10,000]	[10,000]	011		20
	Compliance Renewable Energy Certificate Class									
40 D 040	1 Vintage Future -	CD0	400	MWh of	<u>17,500</u>	<u>17,500</u>	<u>17,500</u>	CTT		25
18.D.019	Vintage 2020 Connecticut	CR0	100	REC	[15,000]	[15,000]	[15,000]	CTT		25
	Compliance Renewable									
	Energy Certificate Class			N 4) A / I= - £	47.500	47.500	47.500			
18.D.019	1 Vintage Future - Vintage 2021	CR1	100	MWh of REC	<u>17,500</u> [15,000]	<u>17,500</u> [15,000]	<u>17,500</u> [15,000]	СТТ		25
10.2.010	Connecticut	OICI	100	ILLO	[10,000]	[10,000]	[10,000]	011		20
	Compliance Renewable									
	Energy Certificate Class 1 Vintage Future -			MWh of	17,500	<u>17,500</u>	<u>17,500</u>			
18.D.019	Vintage 2022	CR2	100	REC	[15,000]	[15,000]	[15,000]	CTT		25
	Connecticut									
	Compliance Renewable Energy Certificate Class									
	1 Vintage Future -			MWh of	17,500	<u>17,500</u>	<u>17,500</u>			
18.D.019	Vintage 2023	CR3	100	REC	[15,000]	[15,000]	[15,000]	CTT		25

	Connecticut Compliance Renewable								
	Energy Certificate Class 1 Vintage Future -			MWh of	17,500	17,500	17,500		
18.D.019	Vintage 2015	CC5	100	REC	[3,800]	[3,800]	[3,800]	CTT	25
	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future -			MWh of	<u>17,500</u>	<u>17,500</u>	<u>17,500</u>		
18.D.019	Vintage 2016	CC6	100	REC	[15,000]	[15,000]	[15,000]	CTT	25
18.D.019	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2017	CC7	100	MWh of REC	17,500 [15,000]	<u>17,500</u> [15,000]	<u>17,500</u> [15,000]	СТТ	25
	Connecticut Compliance Renewable Energy Certificate Class 1 Vintage Future -			MWh of	<u>17,500</u>	<u>17,500</u>	<u> 17,500</u>		
18.D.019	Vintage 2018	CC8	100	REC	[15,000]	[15,000]	[15,000]	CTT	25
18.D.039	Connecticut Compliance Renewable Energy Certificate Class I Future	<u>CTT</u>	<u>100</u>	MWh of REC	<u>17,500</u>	<u>17,500</u>	<u>17,500</u>	<u>CTT</u>	<u>25</u>
18.D.029	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future - Vintage 2016	MC6	100	Mwh of REC	62,500 [30,000]	62,500 [30,000]	62,500 [30,000]	MDE	25
49 D 020	Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future -	MC7	100	Mwh of	62,500	62,500	62 500 120 0001	MDE	25
18.D.029	Vintage 2017 Maryland Compliance Renewable Energy Certificate Tier 1 Vintage Future -	MC7	100	REC Mwh of	[30,000] 62,500	[30,000] 62,500	62,500 [30,000]	MDE	25
18.D.029	Vintage 2018	MC8	100	REC	[30,000]	[30,000]	<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	62,500 [30,000]	62,500 [30,000]	62,500 [30,000]	MDE	25

	Maryland Compliance									
	Renewable Energy Certificate Tier 1									
	Vintage Future -			Mwh of	62,500	62,500				
18.D.029	Vintage 2020	MC0	100	REC	[30,000]	[30,000]	62,500 [30,000]	MDE		25
	Maryland Compliance				[00,000]	[00,000]	[cc;ccc]			
	Renewable Energy									
	Certificate Tier 1									
	Vintage Future -			Mwh of	<u>62,500</u>	<u>62,500</u>				
18.D.029	Vintage 2021	MC1	100	REC	[30,000]	[30,000]	<u>62,500</u> [30,000]	MDE		25
	Maryland Compliance									
	Renewable Energy									
	Certificate Tier 1 Vintage Future -			Mwh of	62,500	62.500				
18.D.029	Vintage 2022	MC2	100	REC	<u>82,300</u> [30,000]	<u>82,500</u> [30,000]	62,500 [30,000]	MDE		25
10.0.029	Maryland Compliance	IVICZ	100	NLO	[00,000]	[50,000]	<u>02,000</u> [00,000]	IVIDE		23
	Renewable Energy									
	Certificate Tier 1									
	Vintage Future -			Mwh of	62,500	62,500				
18.D.029	Vintage 2023	MC3	100	REC	[30,000]	[30,000]	<u>62,500</u> [30,000]	MDE		25
	Maryland Compliance									
	Renewable Energy			MWh of						
18.D.035	Credit Tier 1 Future	MDE	<u>100</u>	REC	<u>62,500</u>	<u>62,500</u>	<u>62,500</u>	<u>MDE</u>	_	<u>25</u>
	Maryland Solar									
	Renewable Energy Certificate Future -			MWh of	12,000	12,000				
18.D.026	Vintage 2016	MD6	10	SREC	[5,000]	<u>12,000</u> [5,000]	<u>12,000</u> [5,000]	MDX		25
10.0.020	Maryland Solar	IVIDO	10	ORLO	[0,000]	[0,000]	12,000 [0,000]	WIDA		20
	Renewable Energy									
	Certificate Future -			MWh of	12,000	12,000				
18.D.026	Vintage 2017	MD7	10	SREC	[5,000]	[5,000]	<u>12,000</u> [5,000]	MDX		25
	Maryland Solar									
	Renewable Energy									
	Certificate Future -			MWh of	12,000	<u>12,000</u>				
18.D.026	Vintage 2018	MD8	10	SREC	[5,000]	[5,000]	<u>12,000</u> [5,000]	MDX		25
	Maryland Solar									
	Renewable Energy Certificate Future -			MWh of	12,000	12,000				
18.D.026	Vintage 2019	MD9	10	SREC	[5,000]	[5,000]	<u>12,000</u> [5,000]	MDX		25
10.0.020	Maryland Solar	IVIDO	10	SILES	[0,000]	[0,000]	<u>12,000</u> [0,00 0]	WDX		
	Renewable Energy									
	Certificate Future -			MWh of	<u>12,000</u>	<u>12,000</u>				
18.D.026	Vintage 2020	MD0	10	SREC	[5,000]	[5,000]	<u>12,000</u> [5,000]	MDX		25

	Maryland Solar								
	Renewable Energy			NAVA/In a f	40,000	40.000			
40 D 000	Certificate Future -	MD4	40	MWh of	<u>12,000</u>	<u>12,000</u>	40,000 [5,000]	MDV	25
18.D.026	Vintage 2021	MD1	10	SREC	[5,000]	[5,000]	<u>12,000</u> [5,000]	MDX	25
	Maryland Solar								
	Renewable Energy			NAVA/I	40.000	40.000			
10 D 006	Certificate Future -	MD2	10	MWh of	<u>12,000</u> [5,000]	<u>12,000</u> [5,000]	42 000 [E 000]	MDX	25
18.D.026	Vintage 2022	IVIDZ	10	SREC	[ə,∪∪∪]	[ə,uuu]	<u>12,000</u> [5,000]	IVIDA	25
	Maryland Solar								
	Renewable Energy Certificate Future -			MWh of	12,000	12.000			
18.D.026		MD3	10	SREC	<u>12,000</u> [5,000]	<u>12,000</u> [5,000]	42 000 [E 000]	MDX	25
16.D.026	Vintage 2023 Maryland Solar	IVID3	10	SKEC	[ə,∪∪∪]	[3,000]	<u>12,000</u> [5,000]	MDX	25
	Renewable Energy			MWh of					
18.D.037	Credit Future	MDX	10	SREC	12,000	12,000	12,000	MDX	25
16.D.037	Massachusetts	IVIDA	<u>10</u>	SKEC	12,000	12,000	12,000	IVIDA	
	Compliance Renewable								
	Energy Certificate Class								
	1 Vintage Future -			Mwh of	<u>15,000</u>	15,000			
18.D.017	Vintage 2015	MB5	100	REC	[3,500]	[6,000]	<u>15,000</u> [12,000]	MCL	25
10.0.017	Massachusetts	IVIDO	100	REC	[3,000]	[0,000]	15,000 [12,000]	IVICL	25
	Compliance Renewable								
	Energy Certificate Class								
	1 Vintage Future -			Mwh of	15,000	15,000			
18.D.017	Vintage 2016	MB6	100	REC	[12,500]	[12,500]	<u>15,000</u> [12,500]	MCL	25
10.0.017	Massachusetts	IVIDO	100	INLO	[12,000]	[12,000]	10,000 [12,000]	WOL	25
	Compliance Renewable								
	Energy Certificate Class								
	1 Vintage Future -			Mwh of	15,000	15,000			
18.D.017	Vintage 2017	MB7	100	REC	[12,500]	[12,500]	15,000 [12,500]	MCL	25
10.5.017	Massachusetts	WD	100	I I I	[12,000]	[12,000]	10,000 [12,000]	WOL	
	Compliance Renewable								
	Energy Certificate Class								
	1 Vintage Future -			Mwh of	15,000	<u>15,000</u>			
18.D.017	Vintage 2018	MB8	100	REC	[12,500]	[12,500]	<u>15,000</u> [12,500]	MCL	25
10.2.017	Massachusetts	11150	100	1120	[12,000]	[12,000]	10,000 [12,000]	III C L	20
	Compliance Renewable								
	Energy Certificate Class								
	1 Vintage Future -			Mwh of	15,000	<u>15,000</u>			
18.D.017	Vintage 2019	MB9	100	REC	[12,500]	[12,500]	<u>15,000</u> [12,500]	MCL	25
	Massachusetts	0		10	[,000]	[.=,000]			
	Compliance Renewable								
	Energy Certificate Class			Mwh of	15,000	<u>15,000</u>			
18.D.017	1 Vintage Future -	MB0	100	REC	[12,500]	[12,500]	15,000 [12,500]	MCL	25

	Vintage 2020								
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2021	MB1	100	Mwh of REC	15,000 [12,500]	<u>15,000</u> [12,500]	15,000 [12,500]	MCL	25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2022	MB2	100	Mwh of REC	15,000 [12,500]	15,000 [12,500]	15,000 [12,500]	MCL	25
18.D.017	Massachusetts Compliance Renewable Energy Certificate Class 1 Vintage Future - Vintage 2023	MB3	100	Mwh of REC	15,000 [12,500]	15,000 [12,500]	15,000 [12,500]	MCL	25
18.D.040	Massachusetts Compliance Renewable Energy Certificate Class I Future	MCL	100	MWh of REC	15,000	15,000	15,000	MCL	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2015	MQ5	10	MWh of SREC	18,000 [2,000]	18,000 [2,000]	18,000 [2,000]	MSF	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2016	MQ6	10	MWh of SREC	18,000 [12,500]	<u>18,000</u> [12,500]	<u>18,000</u> [12,500]	MSF	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2017	MQ7	10	MWh of SREC	18,000 [12,500]	<u>18,000</u> [12,500]	<u>18,000</u> [12,500]	MSF	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2018	MQ8	10	MWh of SREC	18,000 [12,500]	<u>18,000</u> [12,500]	<u>18,000</u> [12,500]	MSF	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future - Vintage 2019	MQ9	10	MWh of SREC	18,000 [12,500]	<u>18,000</u> [12,500]	<u>18,000</u> [12,500]	MSF	25
18.D.021	Massachusetts Solar Renewable Energy Certificate Future -	MQ0	10	MWh of SREC	18,000 [12,500]	<u>18,000</u> [12,500]	<u>18,000</u> [12,500]	MSF	25

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

18.D.023 Future - Vintage 2022 MA2 10 SREC 1.000 6.250 1.000 MS2 25		Massachusetts Solar Renewable Energy								
Massachusetts Solar Renowable Energy Certificate Carve Out II					MWh of					
Renewable Energy Certificate Cares Out Certifica	18.D.023		MA2	10	SREC	[4,000]	<u>6,250</u> [4 ,000]	<u>6,250</u> [4 ,000]	MS2	25
R.D.023 Certificate Carve Out II R.D.023 Future - Viniage 2023 MA3 10 SREC I.4.000 6.250 I.4.000 MS2 25										
Record R					MWh of	6.250				
Massachusetts Solar Renewable Energy Certificate Carve Out II	18.D.023		MA3	10			6,250 [4 ,000]	6,250 [4,000]	MS2	25
REDO3										
REDO33										
NEPOOL Dual Qualified Renewable Energy Certificate Class 1										
Renewable Energy Certificate Class 1 Viritage Future - NE6 100 REC 15,000 15,000 15,000 15,000 15,000 140,000 NER 25	18.D.033		MS2	<u>10</u>	SREC	<u>6,250</u>	<u>6,250</u>	<u>6,250</u>	MS2	_ 25
Certificate Class 1										
18.D.030 Vintage 2016 NE6 100 REC 15.000 15										
18.D.030					MWh of	15.000	15.000			
NEPOOL Dual Qualified Renewable Energy Certificate Class 1	18.D.030		NE6	100				<u>15,000</u> [10,000]	NER	25
Certificate Class 1										
Nintage Future - NET 100 REC 15,000										
18.D.030										
NEPOOL Dual Qualified Renewable Energy Certificate Class 1	10 0 000		NEZ	100				45 000 [40 000]	NED	25
Renewable Energy Certificate Class 1 Vintage 2018 NE8 100 REC [40,000] 15,000 15,000 [40,000] NER 25	16.0.030		INE /	100	REC	[10,000]	[+0,000]	15,000 [10,000]	INER	25
Certificate Class 1										
Vintage Future - Vintage 2018										
NEPOOL Dual Qualified Renewable Energy										
Renewable Energy Certificate Class 1 Wintage Future - Vintage Puture - Vintage Puture - Vintage Puture - Vintage Puture - Vintage Future - Vintage Puture - Vintage	18.D.030		NE8	100	REC	[10,000]	[10,000]	<u>15,000</u> [10,000]	NER	25
Certificate Class 1										
Vintage Future - Vintage 2019 NE9 100 REC 15,000 15,000 15,000 15,000 15,000 NER 25										
18.D.030 Vintage 2019 NE9 100 REC 10,000 15,000 10,000 NER 25					M/M/h of	15 000	15 000			
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020 NEO 100 REC 15,000 1	18 D 030		NEG	100				15 000 [10 000]	NER	25
Renewable Energy Certificate Class 1 Vintage Future - Vintage 2020 NE0 100 REC [10,000] 15,000 [10,000] NER 25	10.0.000		IVES	100	INEO	[40,000]	[10,000]	10,000 [10,000]	IVEIX	20
Vintage Future - Vintage 2020 NE0 100 REC 15,000 15,000 15,000 15,000 15,000 NER 25										
18.D.030 Vintage 2020 NE0 100 REC [10,000] [10,000] NER 25										
NEPOOL Dual Qualified Renewable Energy Certificate Class 1 Vintage Future - NE1 100 REC [10,000] 15,000 15,000 [10,000] NER 25 NEPOOL Dual Qualified MWh of 15,000 15,0						<u>15,000</u>	<u>15,000</u>			
Renewable Energy Certificate Class 1 WWh of 15,000 15,	18.D.030		NE0	100	REC	[10,000]	[10,000]	<u>15,000</u> [10,000]	NER	25
Certificate Class 1										
Vintage Future - Vintage 2021 NE1 100 REC 15,000 15,000 15,000 15,000 15,000 NER 25										
18.D.030 Vintage 2021 NE1 100 REC [40,000] [10,000] 15,000 [10,000] NER 25 NEPOOL Dual Qualified MWh of 15,000 <td< td=""><td></td><td></td><td></td><td></td><td>MWh of</td><td>15 000</td><td>15 000</td><td></td><td></td><td></td></td<>					MWh of	15 000	15 000			
NEPOOL Dual Qualified MWh of 15,000 15,000	18.D.030		NE1	100				15,000 [10.000]	NER	25
		_								
	18.D.030	Renewable Energy	NE2	100	REC	[10,000]	[10,000]	15,000 [10,000]	NER	25

	Certificate Class 1 Vintage Future -									
	Vintage 2022									
	NEPOOL Dual Qualified									
	Renewable Energy Certificate Class 1									
	Vintage Future -			MWh of	15,000	15,000				
18.D.030	Vintage 2023	NE3	100	REC	[10,000]	[10,000]	<u>15,000</u> [10,000]	NER		25
	NEPOOL Dual Qualified	-		_	,	,,				
	Compliance Renewable									
	Energy Certificate Class			MWh of			. =			
18.D.041	I Future	<u>NER</u>	<u>100</u>	REC	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>NER</u>	_	<u>25</u>
	New Jersey Compliance Renewable Energy									
	Certificate Class 1									
	Vintage Future -			Mwh of	47,500	47,500				
18.D.018	Vintage 2015	NCR	100	REC	[3,500]	[8,000]	<u>47,500</u> [16,000]	NJN		25
	New Jersey Compliance									
	Renewable Energy									
	Certificate Class 1				47.500	47.500				
18.D.018	Vintage Future - Vintage 2016	NCS	100	Mwh of REC	47,500 [40,000]	<u>47,500</u> [40,000]	47,500 [40,000]	NJN		25
10.0.010	New Jersey Compliance	1100	100	INLO	[-10,000]	[-10,000]	<u>47,500</u> [10,000]	INDIN		2.0
	Renewable Energy									
	Certificate Class 1									
	Vintage Future -			Mwh of	<u>47,500</u>	<u>47,500</u>				
18.D.018	Vintage 2017	NCT	100	REC	[40,000]	[40,000]	<u>47,500</u> [40,000]	NJN		25
	New Jersey Compliance									
	Renewable Energy Certificate Class 1									
	Vintage Future -			Mwh of	47,500	47,500				
18.D.018	Vintage 2018	NCU	100	REC	[40.000]	[40,000]	47,500 [40,000]	NJN		25
	New Jersey Compliance					. /				
	Renewable Energy									
	Certificate Class 1									
10 D 010	Vintage Future -	NCV	100	Mwh of	47,500 [40,000]	<u>47,500</u> [40,000]	47 500 [40 000]	NUNI		25
18.D.018	Vintage 2019 New Jersey Compliance	NCV	100	REC	[40,000]	[40,000]	<u>47,500</u> [4 0,000]	NJN		20
	Renewable Energy									
	Certificate Class 1									
	Vintage Future -			Mwh of	<u>47,500</u>	<u>47,500</u>				
18.D.018	Vintage 2020	NCW	100	REC	[40,000]	[40,000]	<u>47,500</u> [40,000]	NJN		25
	New Jersey Compliance			Mwh of	<u>47,500</u>	<u>47,500</u>				
18.D.018	Renewable Energy	NCX	100	REC	[40,000]	[40,000]	<u>47,500</u> [4 0,000]	NJN		25

	Certificate Class 1 Vintage Future -								
	Vintage 2021								
	New Jersey Compliance Renewable Energy Certificate Class 1								
	Vintage Future -			Mwh of	<u>47,500</u>	<u>47,500</u>			
18.D.018	Vintage 2022	NCY	100	REC	[40,000]	[40,000]	<u>47,500</u> [4 0,000]	NJN	25
	New Jersey Compliance Renewable Energy Certificate Class 1 Vintage Future -			Mwh of	47,500	47,500			
18.D.018	Vintage 2023	NCZ	100	REC	[40,000]	[40,000]	47,500 [4 0,000]	NJN	25
18.D.034	New Jersey Compliance Renewable Energy Certificate Class I Future	NJN	100	MWh of REC	<u>47,500</u>	47,500	47,500	NJN	25
10.2.001	New Jersey Solar Renewable Energy	14014	100	<u>KLO</u>			17,000	14014	
40.00.045	Certificate Future -	N. I.E.	40	B 40 A 41	<u>45,000</u>	<u>45,000</u>	45 000 [40 000]	NDO	0.5
18.D.015	Energy Year 2013	NJE	10	MWh	[2,500]	[5,000]	<u>45,000</u> [10,000]	NPS	25
	New Jersey Solar Renewable Energy Certificate Future -				<u>45,000</u>	<u>45,000</u>			
18.D.015	Energy Year 2014	NJF	10	MWh	[2,500]	[5,000]	45,000 [10,000]	NPS	25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2015	NJG	10	MWh	45,000 [2,500]	45,000 [5,000]	45,000 [10,000]	NPS	25
	New Jersey Solar Renewable Energy Certificate Future -				45,000	45,000			
18.D.015	Energy Year 2016	NJH	10	MWh	[37,500]	$[\overline{37,500}]$	<u>45,000</u> [37,500]	NPS	25
	New Jersey Solar Renewable Energy Certificate Future -				<u>45,000</u>	<u>45,000</u>			
18.D.015	Energy Year 2017	NJI	10	MWh	[37,500]	[37,500]	<u>45,000</u> [37,500]	NPS	25
	New Jersey Solar Renewable Energy Certificate Future -				45,000	<u>45,000</u>			
18.D.015	Energy Year 2018	NJJ	10	MWh	[37,500]	37,500	45,000 [37,500]	NPS	25
	New Jersey Solar Renewable Energy				<u>45,000</u>	45,000			
18.D.015	Certificate Future -	NJK	10	MWh	[37,500]	[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	45,000 [37,500]	45,000 [37,500]	45,000 [37,500]	NPS	25
16.0.015	New Jersey Solar	INJL	10	IVIVVII	[37,500]	[37,300]	45,000 [37,500]	NP5	25
18.D.015	Renewable Energy Certificate Future - Energy Year 2021	NJ1	10	MWh	45,000 [37,500]	45,000 [37,500]	<u>45,000</u> [37,500]	NPS	25
18.D.015	New Jersey Solar Renewable Energy Certificate Future - Energy Year 2022	NJ2	10	MWh	45,000 [37,500]	45,000 [37,500]	45,000 [37,500]	NPS	25
	New Jersey Solar Renewable Energy Certificate Future -				<u>45,000</u>	<u>45,000</u>			
18.D.015	Energy Year 2023	NJ3	10	MWh	[37,500]	[37,500]	<u>45,000</u> [37,500]	NPS	25
18.D.042	New Jersey Solar Renewable Energy Certificate Prior Year Future	NPR	<u>10</u>	MWh of SREC	45,000	45,000	45,000	NPR	25
18.D.043	New Jersey Solar Renewable Energy Certificate Future	NPS	10	MWh of SREC	45,000	45,000	45,000	NPS	_ 25
18.E.085	Option on New Jersey Solar Renewable Energy Certificate Future	NPS	10	<u>onzo</u> MWh	45,000	45,000	45,000	NPS	25
16.E.065	One Year Mid-Curve Option on New Jersey Solar Renewable Energy Certificate	<u>INFO</u>	10	IVIVVII	45,000	45,000	45,000	<u>NFS</u>	
18.E.086	<u>Future</u>	<u>NPP</u>	<u>10</u>	<u>MWh</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	<u>NPS</u>	<u>_</u> <u>25</u>
40 5 007	Two Year Mid-Curve Option on New Jersey Solar Renewable Energy Certificate	NDC	40	A 0.40	45.000	45.000	45.000	NDC	
18.E.087	Future Pennsylvania Compliance Alternative Energy Certificate Tier 1 Vintage Future -	<u>NPQ</u>	<u>10</u>	MWh MWh of	<u>45,000</u> <u>57,500</u>	<u>45,000</u> <u>57,500</u>	45,000	<u>NPS</u>	<u> 25</u>
18.D.031	Vintage 2016	PC6	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25

	Pennsylvania								
	Compliance Alternative Energy Certificate Tier 1								
	Vintage Future -			MWh of	57,500	57,500			
18.D.031	Vintage 2017	PC7	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25
	Pennsylvania								
	Compliance Alternative								
	Energy Certificate Tier 1								
40 D 004	Vintage Future -	DOO	400	MWh of	<u>57,500</u>	<u>57,500</u>	F7 F00 [00 000]	DAD	05
18.D.031	Vintage 2018	PC8	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25
	Pennsylvania Compliance Alternative								
	Energy Certificate Tier 1								
	Vintage Future -			MWh of	57,500	57,500			
18.D.031	Vintage 2019	PC9	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25
	Pennsylvania					<u> </u>			-
	Compliance Alternative								
	Energy Certificate Tier 1								
_	Vintage Future -			MWh of	<u>57,500</u>	<u>57,500</u>			
18.D.031	Vintage 2020	PC0	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25
	Pennsylvania								
	Compliance Alternative Energy Certificate Tier 1								
	Vintage Future -			MWh of	<u>57,500</u>	<u>57,500</u>			
18.D.031	Vintage 1 dtd1e -	PC1	100	REC	[30,000]	<u>37,300</u> [30,000]	57,500 [30,000]	PAR	25
10121001	Pennsylvania				[00,000]	[00,000]	27,222 [00,000]		
	Compliance Alternative								
	Energy Certificate Tier 1								
	Vintage Future -			MWh of	<u>57,500</u>	<u>57,500</u>			
18.D.031	Vintage 2022	PC2	100	REC	[30,000]	[30,000]	<u>57,500</u> [30,000]	PAR	25
	Pennsylvania								
	Compliance Alternative								
	Energy Certificate Tier 1 Vintage Future -			MWh of	57,500	57,500			
18.D.031	Vintage 2023	PC3	100	REC	[30,000]	<u>37,300</u> [30,000]	<u>57,500</u> [30,000]	PAR	25
10.0.001	Pennsylvania	1 00	100	I I I	[00,000]	[00,000]	07,000 [00,000]	1741	20
	Compliance Alternative								
	Energy Credit Tier I			MWh of					
18.D.036	<u>Future</u>	<u>PAR</u>	<u>100</u>	<u>REC</u>	<u>57,500</u>	<u>57,500</u>	<u>57,500</u>	<u>PAR</u>	<u>25</u>
	Pennsylvania Solar							T	
	Alternative Energy					04.000			
10 D 005	Certificate Future -	DAG	10	MWh of	<u>24,000</u>	<u>24,000</u>	04 000 [40 000]	DAY	25
18.D.025	Vintage 2016	PA6	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25

	Pennsylvania Solar								
	Alternative Energy Certificate Future -			MWh of	24,000	24,000			
18.D.025	Vintage 2017	PA7	10	SREC	[10,000]	[10,000]	24,000 [10,000]	PAX	25
10.0.020	Pennsylvania Solar	170	10	ORLO	[40,000]	[10,000]	24,000 [40,000]	1700	
	Alternative Energy								
	Certificate Future -			MWh of	24,000	24,000			
18.D.025	Vintage 2018	PA8	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25
	Pennsylvania Solar								
	Alternative Energy								
	Certificate Future -			MWh of	24,000	24,000			
18.D.025	Vintage 2019	PA9	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25
	Pennsylvania Solar								
	Alternative Energy								
	Certificate Future -			MWh of	<u>24,000</u>	<u>24,000</u>			
18.D.025	Vintage 2020	PA0	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25
	Pennsylvania Solar								
	Alternative Energy								
	Certificate Future -			MWh of	24,000	24,000		- 4 17	
18.D.025	Vintage 2021	PA1	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25
	Pennsylvania Solar								
	Alternative Energy			B 40 4 // 6	04.000	04.000			
40 D 005	Certificate Future -	DAG	40	MWh of	24,000	<u>24,000</u>	04 000 [40 000]	DAY	25
18.D.025	Vintage 2022 Pennsylvania Solar	PA2	10	SREC	[10,000]	[10,000]	<u>24,000</u> [10,000]	PAX	25
	Alternative Energy								
	Certificate Future -			MWh of	24,000	24,000			
18.D.025	Vintage 2023	PA3	10	SREC	[10,000]	<u>24,000</u> [10,000]	24,000 [10,000]	PAX	25
10.0.023	Pennsylvania Solar	1 70	10	OILLO	[10,000]	[10,000]	24,000 [10,000]	TAX	
	Alternative Energy			MWh of					
18.D.038	Credit Future	PAX	10	SREC	24,000	24,000	24,000	PAX	25
10.2.000	PJM Tri-Qualified	<u> </u>	<u></u>	<u> </u>	= 1,000	= 1,1000	= 1,000		
	Renewable Energy								
	Certificate Class 1				42,500	42,500			
18.D.020	Future - Vintage 2015	TQA	100	MWh	[5,000]	[5,000]	42,500 [5,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy								
	Certificate Class 1				<u>42,500</u>	42,500			
18.D.020	Future - Vintage 2016	TQB	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy								
1	Certificate Class 1				<u>42,500</u>	<u>42,500</u>			
18.D.020	Future - Vintage 2017	TQC	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25

	Option on PJM Tri- Qualified Renewable								
	Energy Certificate Class								
	1 Vintage Future -				<u>42,500</u>	<u>42,500</u>			
18.E.073	Vintage 2017	TQC	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy Certificate Class 1				42,500	42,500			
18.D.020	Future - Vintage 2018	TQD	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
10.2.020	Option on PJM Tri-	1 42	100		[00,000]	[00,000]	12,000 [00,000]		
	Qualified Renewable								
	Energy Certificate Class								
	1 Vintage Future -				<u>42,500</u>	<u>42,500</u>			
18.E.073	Vintage 2018	TQD	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy Certificate Class 1				42,500	42,500			
18.D.020	Future - Vintage 2019	TQE	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
10.2.020	Option on PJM Tri-	. 42	100		[00,000]	[00,000]	<u>12,000</u> [00,000]		20
	Qualified Renewable								
	Energy Certificate Class								
	1 Vintage Future -				<u>42,500</u>	<u>42,500</u>			
18.E.073	Vintage 2019	TQE	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy Certificate Class 1				42,500	42,500			
18.D.020	Future - Vintage 2020	TQF	100	MWh	42,500 [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR	25
10.0.020	Option on PJM Tri-	1 (3)	100	1010011	[00,000]	[00,000]	42,000 [00,000]	1110	20
	Qualified Renewable								
	Energy Certificate Class								
	1 Vintage Future -				<u>42,500</u>	<u>42,500</u>			
18.E.073	Vintage 2020	TQF	100	MWh	[30,000]	$[\overline{30,000}]$	42,500 [30,000]	PPR	25
	PJM Tri-Qualified								
	Renewable Energy				42 500	40 F00			
18.D.020	Certificate Class 1 Future - Vintage 2021	TQG	100	MWh	42,500 [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR	25
10.0.020	Option on PJM Tri-	100	100	1010 011	[00,000]	[00,000]	<u>42,000</u> [60,000]	TTIX	20
	Qualified Renewable								
	Energy Certificate Class								
	1 Vintage Future -				<u>42,500</u>	<u>42,500</u>			
18.E.073	Vintage 2021	TQG	100	MWh	[30,000]	[30,000]	42,500 [30,000]	PPR	25
	PJM Tri-Qualified				40	40			
10 D 000	Renewable Energy	TOU	100	NAVA/b	42,500	<u>42,500</u>	42 500 [20 000]	DDD	25
18.D.020	Certificate Class 1	TQH	100	MWh	[30,000]	[30,000]	42,500 [30,000]	PPR	25

	Vintage Future - Vintage 2022									
	Option on PJM Tri-									
	Qualified Renewable									
	Energy Certificate Class				40.500	40.500				
18.E.073	1 Vintage Future - Vintage 2022	TQH	100	MWh	42,500 [30,000]	<u>42,500</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
10.L.073	PJM Tri-Qualified	IQII	100	1010 0 11	[50,000]	[00,000]	<u>42,300</u> [00,000]	TTIX		2.5
	Renewable Energy									
	Certificate Class 1									
	Vintage Future -				<u>42,500</u>	42,500				
18.D.020	Vintage 2023	TQI	100	MWh	[30,000]	[30,000]	<u>42,500</u> [30,000]	PPR		25
	Option on PJM Tri-									
	Qualified Renewable									
	Energy Certificate Class 1 Vintage Future -				42,500	42,500				
18.E.073	Vintage 2023	TQI	100	MWh	[30,000]	<u>42,300</u> [30,000]	<u>42,500</u> [30,000]	PPR		25
10.2.070	PJM Tri Qualified	1 3(1	100	1010011	[00,000]	[00,000]	12,000 [00,000]			20
	Renewable Energy									
	Certificate Class I Prior									
18.D.044	Year Future	<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>
	PJM Tri Qualified									
	Renewable Energy									
18.D.045	Certificate Class I Future	PPR	100	MWh	42,500	42,500	42,500	PPR		25
10.0.040	Option on PJM Tri	1110	100	1010011	42,500	42,000	42,000	1110	_	20
	Qualified Renewable									
	Energy Certificate Class									
18.E.088	<u>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>
	One Year Mid-Curve									
	Option on PJM Tri									
	Qualified Renewable Energy Certificates									
18.E.089	Class I Future	PPS	100	MWh	42,500	42,500	42,500	PPR		25
10.2.000	Two Year Mid-Curve	110	100	1010011	12,000	12,000	12,000	1111	-	20
	Option on PJM Tri									
	Qualified Renewable									
	Energy Certificates									
18.E.090	Class I Future	<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]