



**Exhibit A:  
Nodal Exchange Environmental Contract Specifications  
Anticipated Listing Date Dec 20, 2019**

## PJM Tri-Qualified Renewable Energy Certificates Class 1 Vintage 2026 Future

ITEM	SPECIFICATION
<b>Contract Description</b>	Physically delivered Class 1 and Tier 1 Renewable Energy Certificates (“Class 1 RECs”) where a REC is an electronic certificate issued by the PJM Environmental Information System Generation Attribute Tracking System (“PJM GATS”) for generation simultaneously qualifying for the Pennsylvania, New Jersey and Maryland Class 1 portions of the Renewable Portfolio Standard programs.
<b>Contract Code</b>	PMJ
<b>Settlement Method</b>	Physical Delivery
<b>Hours of Trading</b>	As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>
<b>Unit of Trading</b>	1 lot
<b>Lot Size</b>	100 MWh representing 100 Qualifying Class 1 RECs
<b>Currency</b>	US Dollars
<b>Minimum Tick</b>	\$0.01 per MWh
<b>Settlement Price Precision</b>	\$0.01 per MWh
<b>Last Trading Date</b>	Three Business Days prior to the last Business Day of the delivery month
<b>Delivery Day</b>	Three Business Days after the Last Trading Day (Last Business Day of the delivery month)
<b>Contract Series</b>	Monthly contracts beginning with August of the year prior to the vintage year, through September of two years after the Vintage year. The exchange may list any other calendar month contract set off the standard listing cycle for up to 10 years.
<b>Deliverable Product</b>	Class 1 RECs eligible for delivery are those which are eligible to meet the Class 1 requirements in each of the states of Pennsylvania, New Jersey and Maryland where; the Pennsylvania requirements are specified in Pennsylvania Statutes Title 73 Chapter 18F; the New Jersey requirements are specified in N.J.A.C. 14:8-2-3; and the Maryland requirements are specified in Maryland Annotated Code, Public Utility Companies Article, § 7-701 – 7-713 and in the Code of Maryland Regulations as implemented through Title 20, Subtitle 61. Class 1 RECs acceptable for delivery are those having a vintage year designation that corresponds to the specified vintage year of the expiring contract. Applicable to the Maryland vintage-year designation only and only for the expiry months of January through July, sellers have the option to deliver a vintage designation that corresponds to the specified vintage year of the expiring contract or one that is one year earlier.
<b>Registry</b>	PJM-EIS Generation Attribute Tracking System (PJM GATS)
<b>Daily Settlement Price</b>	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
<b>Final Settlement Price</b>	The Daily Settlement Price on the Last Trading Day

ITEM	SPECIFICATION
<b>Delivery</b>	On the Last Trading Day, the Exchange will provide the Clearing House with information identifying the Participants with delivery obligations for the purpose of issuing Tender and invoice notices in accordance with Section IX (Physical Delivery and Settlement) of the Nodal Clear Rulebook.
<b>Final Settlement (Payment) Date</b>	Three or four Business Days after the Last Trading Day on the successful delivery of the underlying instruments (if the delivery confirmation is available by 11:30am on the third Business Day after the Last Trading Day, the payment will be made on the same day during the Midday Margin Cycle; if it is available after 11:30am, the payment will be made on the next Margin Cycle which will be the next Business Day)
<b>Position Limit</b>	Spot Month: 42,500 lots, Single Month Accountability Level: 42,500 lots, All Month Accountability Level: 42,500 lots
<b>Margin Unit</b>	US Dollars

## PJM Tri-Qualified Renewable Energy Certificates Class 1 Vintage 2026 Option

ITEM	SPECIFICATION
<b>Contract Description</b>	An Option on the corresponding month of the PJM Tri-Qualified Renewable Energy Certificate Class 1 Vintage 2026 Future.
<b>Option Style</b>	European
<b>Underlying Contract</b>	PMJ
<b>Hours of Trading</b>	As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>
<b>Contract Size per Lot</b>	1 lot of the Underlying Contract
<b>Unit of Trading</b>	1 lot, as defined in Contract Size per lot
<b>Strike Price</b>	A minimum of ten Strike Prices in increments of \$0.05 above and below the at-the-money Strike Price. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.05 increments.
<b>Currency</b>	US Dollars
<b>Minimum Tick</b>	\$0.001 per MWh
<b>Settlement Price Precision</b>	\$0.001 per MWh
<b>Last Trading Day</b>	At 4:00 pm EPT on the 15th calendar day of the delivery month. Where the 15th calendar day is not a Business Day, the Last Trading Day shall be the first Business Day following the 15th calendar day of the delivery month.
<b>Contract Series</b>	Monthly contracts beginning with August of the year prior to the vintage year, through September of two years after the Vintage year. The exchange may list any other calendar month contract set off the standard listing cycle for up to 10 years.
<b>Premium</b>	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
<b>Daily Settlement Price</b>	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
<b>Exercise</b>	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 5:30 pm EPT on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options.
<b>Settlement Method</b>	Exercise into Underlying Contracts
<b>Position Limit</b>	Spot Month: 42,500 lots, Single Month Accountability Level: 42,500 lots, All Month Accountability Level: 42,500 lots. Weighted by Option delta and combined with Underlying Contract position
<b>Margin Unit</b>	US Dollars