



**Exhibit A:  
October 11<sup>th</sup>, 2017 Addition to Nodal Exchange Contract  
Specifications**

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM JCPL Monthly Day Ahead 7x8 Power Contract**

<b>ITEM</b>	<b>SPECIFICATION</b>
<b>Contract Description</b>	Monthly Cash Settled Financial 7x8 Power, PJM JCPL, Day Ahead
<b>Contract Code</b>	LNE
<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, based on 1 MW for each hour of the contract
<b>Lot Size</b>	Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.
<b>Currency</b>	US Dollars
<b>Min Price Fluctuation</b>	\$0.0001 per MWh
<b>Minimum Tick</b>	\$0.0001 per MWh
<b>First Trading Day</b>	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 69 months before the expiration date.
<b>Last Trading Day</b>	The third business day following the last calendar day of the month
<b>Contract Series</b>	69 months
<b>Fixed Price</b>	The traded price or the previous day's settlement price
<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 final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the Day Ahead hourly LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.pjm.com/pub/account/lmpda/&lt;yyyymmdd&gt;-da.csv">http://www.pjm.com/pub/account/lmpda/&lt;yyyymmdd&gt;-da.csv</a>
<b>Final Settlement (Payment) Date</b>	The first business day following the Last Trading Day
<b>Position Limit</b>	540 MW
<b>Margin Unit</b>	US Dollars

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM JCPL Monthly Real Time 7x8 Power Contract**

<b>ITEM</b>	<b>SPECIFICATION</b>
<b>Contract Description</b>	Monthly Cash Settled Financial 7x8 Power, PJM JCPL, Real Time
<b>Contract Code</b>	LNI
<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, based on 1 MW for each hour of the contract
<b>Lot Size</b>	Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.
<b>Currency</b>	US Dollars
<b>Min Price Fluctuation</b>	\$0.0001 per MWh
<b>Minimum Tick</b>	\$0.0001 per MWh
<b>First Trading Day</b>	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 69 months before the expiration date.
<b>Last Trading Day</b>	The third business day following the last calendar day of the month
<b>Contract Series</b>	69 months
<b>Fixed Price</b>	The traded price or the previous day's settlement price
<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 final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the Real Time hourly LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;_updated.csv">http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;_updated.csv</a> PJM secondary price source (as needed): <a href="http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;.csv">http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;.csv</a>
<b>Final Settlement (Payment) Date</b>	The first business day following the Last Trading Day
<b>Position Limit</b>	540 MW
<b>Margin Unit</b>	US Dollars

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM JCPL Monthly Day Ahead 2x16 Power Contract**

<b>ITEM</b>	<b>SPECIFICATION</b>
<b>Contract Description</b>	Monthly Cash Settled Financial 2x16 Power, PJM JCPL, Day Ahead
<b>Contract Code</b>	LNF
<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, based on 1 MW for each hour of the contract
<b>Lot Size</b>	Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.
<b>Currency</b>	US Dollars
<b>Min Price Fluctuation</b>	\$0.0001 per MWh
<b>Minimum Tick</b>	\$0.0001 per MWh
<b>First Trading Day</b>	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 69 months before the expiration date.
<b>Last Trading Day</b>	The third business day following the last calendar day of the month
<b>Contract Series</b>	69 months
<b>Fixed Price</b>	The traded price or the previous day's settlement price
<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 final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the Day Ahead hourly LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.pjm.com/pub/account/Impda/&lt;yyyymmdd&gt;-da.csv">http://www.pjm.com/pub/account/Impda/&lt;yyyymmdd&gt;-da.csv</a>
<b>Final Settlement (Payment) Date</b>	The first business day following the Last Trading Day
<b>Position Limit</b>	668 MW
<b>Margin Unit</b>	US Dollars

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM JCPL Monthly Real Time 2x16 Power Contract**

<b>ITEM</b>	<b>SPECIFICATION</b>
<b>Contract Description</b>	Monthly Cash Settled Financial 2x16 Power, PJM JCPL, Real Time
<b>Contract Code</b>	LNJ
<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, based on 1 MW for each hour of the contract
<b>Lot Size</b>	Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.
<b>Currency</b>	US Dollars
<b>Min Price Fluctuation</b>	\$0.0001 per MWh
<b>Minimum Tick</b>	\$0.0001 per MWh
<b>First Trading Day</b>	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 69 months before the expiration date.
<b>Last Trading Day</b>	The third business day following the last calendar day of the month
<b>Contract Series</b>	69 months
<b>Fixed Price</b>	The traded price or the previous day's settlement price
<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 final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the Real Time hourly LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;_updated.csv">http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;_updated.csv</a> PJM secondary price source (as needed): <a href="http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;.csv">http://www.pjm.com/pub/account/lmp/&lt;yyyymmdd&gt;.csv</a>
<b>Final Settlement (Payment) Date</b>	The first business day following the Last Trading Day
<b>Position Limit</b>	668 MW
<b>Margin Unit</b>	US Dollars