



**Exhibit A:
September 13, 2019 Addition to Nodal Exchange Contract
Specification**

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Monthly Natural Gas Contract 2,500

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Natural Gas Financial Contract, Henry Hub
Contract Code	NGH
Block Name	Henry Hub LD 2500 Future
Screen Name	Henry Hub LD 2.5K
Settlement Method	Financial
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot
Lot Size	2,500 MMBtu per month
Currency	US Dollars
Minimum Tick	\$0.001 per MMBtu
Settlement Price Precision	\$0.001 per MMBtu
Last Trading Day	Trading shall cease at 2:30pm EPT on the third business day prior to the first calendar day of the contract month
Contract Series	Current calendar/planning year plus 12 full calendar or planning years
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Final Settlement Price will be a price in US Dollars per MMBtu equal to the final settlement price for the Henry Hub Natural Gas Futures Contract (NG) as published by the CME Group's New York Mercantile Exchange (NYMEX) for the corresponding contract month on the Last Trading Day.
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	4,000 Lots
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Penultimate Monthly Natural Gas Contract 2,500

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Natural Gas Financial Contract, Henry Hub Penultimate
Contract Code	PHH
Block Name	Henry Hub Pen 2500 Future
Screen Name	Henry Hub Pen 2.5K
Settlement Method	Financial
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot
Lot Size	2,500 MMBtu per month
Currency	US Dollars
Minimum Tick	\$0.001 per MMBtu
Settlement Price Precision	\$0.001 per MMBtu
Last Trading Day	Trading shall cease at 2:30pm EPT on the fourth business day prior to the first calendar day of the contract month
Contract Series	Current calendar/planning year plus 12 full calendar or planning years
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Final Settlement Price will be a price in US Dollars per MMBtu equal to the 2:30pm EPT daily settlement price of Henry Hub Natural Gas Futures Contract (NG) as published by the CME Group's New York Mercantile Exchange (NYMEX) for the corresponding contract month on the business day preceding the last trading day for that contract month.
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Spot Month Accountability Level	4,000 Lots
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Penultimate Monthly Natural Gas Option 2,500

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the Henry Hub Penultimate Monthly Natural Gas Futures
Option Style	European
Underlying Contract	PHH
Block Name	Henry Hub Pen 2500 Option
Screen Name	Henry Hub Pen 2.5K Option
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the underlying futures contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.25 increment strike prices. 10 strikes above and below the at-the-money Strike Price per contract. The at-the-money strike price is the closest interval nearest to the previous business day's settlement price of the underlying contract. User-defined strike prices are allowed in \$0.001 increments
Currency	US Dollars
Minimum Tick	\$0.0001 per MMBtu
Settlement Price Precision	\$0.0001 per MMBtu
Last Trading Day	Trading shall cease at 2:30 pm EPT on the fourth business day prior to the first calendar day of the contract month.
Contract Series	Up to 84 months
Premium / NLV	The premium on the option is paid/received on the next settlement cycle following the trade. Net Liquidating Value (NLV) will be re-calculated based on the relevant settlement prices during each settlement cycle. For buyers of options, the NLV credit will be used to offset their Initial Margin (IM) requirement; for sellers of options, the NLV debit must be covered in the same manner as the IM requirement. NLV will go to zero at final settlement and VM will be collected/paid on any resulting futures positions
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Exercise	Exercise of "in-the-money" options is automatic on the Last Trading Day. Clearing members that are long options have until 4:30 pm on the Last Trading Day to indicate whether they will exercise expiring "out-of-the-money" options, or allow the "in-the-money" options to expire without exercise based

NODAL EXCHANGE CONTRACT SPECIFICATIONS

	on the settlement price of the underlying futures on that day. When exercised against, option sellers will be selected on a pro-rata basis, at the Exchange's discretion.
Settlement Method	Exercise into underlying futures contract
Spot Month Accountability Level	4,000 Lots, weighted by option delta
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Monthly Natural Gas Contract 10,000

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Natural Gas Financial Contract, Henry Hub
Contract Code	NNG
Block Name	Henry Hub LD 10K Future
Screen Name	Henry Hub LD 10K
Settlement Method	Financial
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot
Lot Size	10,000 MMBtu per month
Currency	US Dollars
Minimum Tick	\$0.001 per MMBtu
Settlement Price Precision	\$0.001 per MMBtu
Last Trading Day	Trading shall cease at 2:30pm EPT on the third business day prior to the first calendar day of the contract month
Contract Series	Current calendar/planning year plus 12 full calendar or planning years
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Final Settlement Price will be a price in US Dollars per MMBtu equal to the final settlement price for the Henry Hub Natural Gas Futures Contract (NG) as published by the CME Group's New York Mercantile Exchange (NYMEX) for the corresponding contract month on the Last Trading Day.
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	1,000 Lots
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Penultimate Monthly Natural Gas Contract 10,000

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Natural Gas Financial Contract, Henry Hub Penultimate
Contract Code	NHP
Block Name	Henry Hub Pen 10K Future
Screen Name	Henry Hub Pen 10K
Settlement Method	Financial
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot
Lot Size	10,000 MMBtu per month
Currency	US Dollars
Minimum Tick	\$0.001 per MMBtu
Settlement Price Precision	\$0.001 per MMBtu
Last Trading Day	Trading shall cease at 2:30pm EPT on the fourth business day prior to the first calendar day of the contract month
Contract Series	Current calendar/planning year plus 12 full calendar or planning years
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Final Settlement Price will be a price in US Dollars per MMBtu equal to the 2:30pm EPT daily settlement price of Henry Hub Natural Gas Futures Contract (NG) as published by the CME Group's New York Mercantile Exchange (NYMEX) for the corresponding contract month on the business day preceding the last trading day for that contract month.
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Spot Month Accountability Level	1,000 Lots
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Penultimate Monthly Natural Gas Option 10,000

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the Henry Hub Penultimate Monthly Natural Gas Futures
Option Style	European
Underlying Contract	NHP
Block Name	Henry Hub Pen 10K Option
Screen Name	Henry Hub Pen 10K Option
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the underlying futures contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.05 increment strike prices. 50 strikes above and below the at-the-money Strike Price per contract. The at-the-money strike price is the closest interval nearest to the previous business day's settlement price of the underlying contract. User-defined strike prices are allowed in \$0.001 increments
Currency	US Dollars
Minimum Tick	\$0.0001 per MMBtu
Settlement Price Precision	\$0.0001 per MMBtu
Last Trading Day	Trading shall cease at 2:30 pm EPT on the fourth business day prior to the first calendar day of the contract month.
Contract Series	Up to 84 months
Premium / NLV	The premium on the option is paid/received on the next settlement cycle following the trade. Net Liquidating Value (NLV) will be re-calculated based on the relevant settlement prices during each settlement cycle. For buyers of options, the NLV credit will be used to offset their Initial Margin (IM) requirement; for sellers of options, the NLV debit must be covered in the same manner as the IM requirement. NLV will go to zero at final settlement and VM will be collected/paid on any resulting futures positions
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Exercise	Exercise of "in-the-money" options is automatic on the Last Trading Day. Clearing members that are long options have until 4:30 pm on the Last Trading Day to indicate whether they will exercise expiring "out-of-the-money" options, or allow the "in-the-money" options to expire without exercise based

NODAL EXCHANGE CONTRACT SPECIFICATIONS

	on the settlement price of the underlying futures on that day. When exercised against, option sellers will be selected on a pro-rata basis, at the Exchange's discretion.
Settlement Method	Exercise into underlying futures contract
Spot Month Accountability Level	1,000 Lots, weighted by option delta
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Henry Hub Calendar Year Natural Gas Option 2,500

ITEM	SPECIFICATION
Contract Description	A calendar year Option on the corresponding period of twelve Henry Hub Monthly Natural Gas Futures (NGH)
Option Style	European
Underlying Contract	Consists of twelve monthly futures contracts (NGH), January – December, the same as the contract period
Contract Code	NGY
Block Name	Henry Hub LD Annual 2.5K Option
Screen Name	Henry Hub LD Annual 2.5K Option
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the underlying futures contracts
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.25 increment strike prices. 10 strikes above and below the at-the-money Strike Price per contract. The at-the-money strike price is the closest interval nearest to the previous business day's settlement price of the underlying contract. User-defined strike prices are allowed in \$0.001 increments
Currency	US Dollars
Minimum Tick	\$0.0001 per MMBtu
Settlement Price Precision	\$0.0001 per MMBtu
Last Trading Day	Trading shall cease at 2:30 pm EPT on the sixth business day prior to the first calendar day of the first underlying month of Henry Hub Monthly Natural Gas Contract 2,500 in the strip
Contract Series	Up to 10 consecutive Calendar Strips
Premium / NLV	The premium on the option is paid/received on the next settlement cycle following the trade. Net Liquidating Value (NLV) will be re-calculated based on the relevant settlement prices during each settlement cycle. For buyers of options, the NLV credit will be used to offset their Initial Margin (IM) requirement; for sellers of options, the NLV debit must be covered in the same manner as the IM requirement. NLV will go to zero at final settlement and VM will be collected/paid on any resulting futures positions
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate

NODAL EXCHANGE CONTRACT SPECIFICATIONS

Exercise	Exercise of “in-the-money” options is automatic on the Last Trading Day. Clearing members that are long options have until 4:30 pm on the Last Trading Day to indicate whether they will exercise expiring “out-of-the-money” options, or allow the “in-the-money” options to expire without exercise based on the settlement price of the underlying futures on that day. When exercised against, option sellers will be selected on a pro-rata basis, at the Exchange’s discretion.
Settlement Method	Exercise into twelve Henry Hub Monthly Natural Gas Contract (NGH)
Position Limit	4,000 Lots, weighted by option delta
Margin Unit	US Dollars