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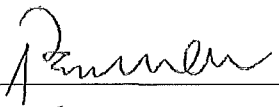
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CERTIFICATION:
THE ADOPTED RULES COMPLY WITH THE COMMODITY EXCHANGE ACT
(CEA) AND THE REGULATIONS THEREUNDER

ICE Clear Europe Limited, a derivatives clearing organization registered with the Commodity Futures Trading Commission, hereby certifies that the "Introduction of Clearing for Additional ICE OTC Contracts" adopted on 9 May, 2011 and effective on May 23, 2011, comply with the Commodity Exchange Act and the regulations thereunder.

In witness whereof, the undersigned has signed this Certification as of the 20th day of May 2011.

By: 

Name: PATRICIA DAVIS

Title: COMPANY SECRETARY

ICE

Global markets in clear view

ICE OTC

New Cleared Product Specifications

May 23, 2011

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1 FINANCIAL GAS

1.1 Natural Gas Basis Swap: Transco Station 30 (Zone 1)

Description	Monthly cash settled, Natural Gas Basis Swap: Inside FERC's Gas Market Report for Transco Zone 1.
Contract Symbol	TTB
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the monthly last settlement price for natural gas futures as made public by the New York Mercantile Exchange (NYMEX) for the month of production per ISDA commodity definitions.
Floating Price B	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day of the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.2 Natural Gas Basis Swap: Transco Station 45 (Zone 2)

Description	Monthly cash settled, Natural Gas Basis Swap: Inside FERC's Gas Market Report for Transco Zone 2.
Contract Symbol	TNB
Contract Size per lot	2500 MMBtu

Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the monthly last settlement price for natural gas futures as made public by the New York Mercantile Exchange (NYMEX) for the month of production per ISDA commodity definitions.
Floating Price B	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day of the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.3 Natural Gas Index Swap: Transco Station 45 (Zone 2)

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Transco Zone 2.
Contract Symbol	TNI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and

	Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.4 Natural Gas Index Swap: Transco Station 85 (Zone 4)

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Transco Zone 4.
Contract Symbol	TRI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day.

	The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.5 Natural Gas Swing Swap: Transco Station 85 (Zone 4)

Description	Financial Natural Gas Swing Swap: Fixed Price for Platts Gas Daily; Transco Zone 4.
Contract Symbol	TRS
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One tenth of a cent (\$0.001) per MMBtu
Minimum Price Flux	One hundredth of a cent (\$0.0001) per MMBtu
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward, and derivative markets for both physical and financial products
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per MMBtu based on the Day Ahead Index for Transco Zone 4, as published in Platts' 'Daily Price Survey' table of 'Gas Daily'
Contract Series	65 consecutive daily contracts
Last Trading Day	One business day following the Nominal Contract Day
Final Payment Date	One Business Day following the Last Trading Day

Business Days	US Business Days
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1.6 Natural Gas Swing Swap: NNG Ventura

Description	Financial Natural Gas Swing Swap: Fixed Price for Platts Gas Daily; Northern, Ventura.
Contract Symbol	NNS
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One tenth of a cent (\$0.001) per MMBtu
Minimum Price Flux	One hundredth of a cent (\$0.0001) per MMBtu
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward, and derivative markets for both physical and financial products
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per MMBtu based on the Day Ahead Index for Northern, Ventura, as published in Platts' 'Daily Price Survey' table of 'Gas Daily'
Contract Series	65 consecutive daily contracts
Last Trading Day	One business day following the Nominal Contract Day
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.7 Natural Gas Index Swap: NNG Ventura

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Northern, Ventura.
Contract Symbol	NNI
Contract Size per lot	2500 MMBtu

Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.8 Natural Gas Index Swap: Tennessee 500 L

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Tennessee, Louisiana, 500 Leg
Contract Symbol	TFI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu

Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.9 Natural Gas Basis Swap: Tennessee 800 L

Description	Monthly cash settled, Natural Gas Basis Swap: Inside FERC's Gas Market Report for Tennessee, Louisiana, 800 Leg.
Contract Symbol	TSB
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the monthly last settlement price for natural gas futures as made public by the New York Mercantile Exchange (NYMEX) for the month of production per ISDA commodity definitions.

Floating Price B	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day of the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.10 Natural Gas Index Swap: Tennessee Zone 0

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Tennessee Zone 0.
Contract Symbol	TZI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months

Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.11 Natural Gas Index Swap: Centerpoint

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Centerpoint, East.
Contract Symbol	CTI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.12 Natural Gas Swing Swap: Centerpoint

Description	Financial Natural Gas Swing Swap: Fixed Price for Platts Gas Daily; Centerpoint, East.
Contract Symbol	CTS
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One tenth of a cent (\$0.001) per MMBtu
Minimum Price Flux	One hundredth of a cent (\$0.0001) per MMBtu
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward, and derivative markets for both physical and financial products
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per MMBtu based on the Day Ahead Index for Centerpoint, East, as published in Platts' 'Daily Price Survey' table of 'Gas Daily'
Contract Series	65 consecutive daily contracts
Last Trading Day	One business day following the Nominal Contract Day
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.13 Natural Gas Index Swap: CIG Rockies

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, CIG, Rocky Mountains.
Contract Symbol	CRC
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus

Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.14 Natural Gas Swing Swap: CIG Rockies

Description	Financial Natural Gas Swing Swap: Fixed Price for Platts Gas Daily; CIG Rockies
Contract Symbol	CRS
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One tenth of a cent (\$0.001) per MMBtu
Minimum Price Flux	One hundredth of a cent (\$0.0001) per MMBtu
Fixed Price	The traded price or the previous day's settlement price

Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward, and derivative markets for both physical and financial products
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per MMBtu based on the Day Ahead Index for CIG Rockies, as published in Platts' 'Daily Price Survey' table of 'Gas Daily'
Contract Series	65 consecutive daily contracts
Last Trading Day	One business day following the Nominal Contract Day
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.15 Natural Gas Index Swap: TETCO STX

Description	Monthly cash settled, Natural Gas Index Swap: Inside FERC's Gas Market Report vs Gas Daily, Texas Eastern Transmission Corp., South Texas zone
Contract Symbol	SXI
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One hundredth of a cent (\$0.0001) per MMBtu
Contract Pricing	Premium is expressed as positive or negative
Floating Price A	A price in dollars per MMBtu dry equal to the Index Price, as reported in Platts Inside FERC's Gas Market Report in the first of the month publication for each month, for the corresponding Hub and Determination Periods
Floating Price B	The 'Floating Price' shall be the average of the midpoint prices for each calendar day during the Determination Period as published in the 'Daily Price Survey' table of 'Gas Daily'. The floating price for any business day shall be the midpoint of the prices published in such sections of 'Gas Daily' on such business day for the immediately preceding business day. The floating price for any day that is not a business day shall be the midpoint of the prices for the section of 'Gas Daily' on the immediately succeeding business day of the prices for the immediately preceding

	business day.
Contract Series	Up to 24 consecutive months
Last Trading Day	Close of business on the 2 nd Business Day after the contract series
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

1.16 Natural Gas Swing Swap: TETCO STX

Description	Financial Natural Gas Swing Swap: Fixed Price for Platts Gas Daily; Texas Eastern, STX
Contract Symbol	SXC
Contract Size per lot	2500 MMBtu
Unit of Trading	Any multiple of 2,500 MMBtus
Currency	USD and cents
Price Increment	One tenth of a cent (\$0.001) per MMBtu
Minimum Price Flux	One hundredth of a cent (\$0.0001) per MMBtu
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward, and derivative markets for both physical and financial products
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per MMBtu based on the Day Ahead Index for Texas Eastern, STX, as published in Platts' 'Daily Price Survey' table of 'Gas Daily'
Contract Series	65 consecutive daily contracts
Last Trading Day	One business day following the Nominal Contract Day
Final Payment Date	One Business Day following the Last Trading Day
Business Days	US Business Days

2 FINANCIAL POWER

2.1 Financial Power Swap – ISO New England NE Massachusetts Day Ahead LMP, Peak Monthly

Description	Monthly cash settled Financial Power Swap – Peak, ISO-NE NE Massachusetts Zone DA LMP, Monthly
Contract Symbol	INB
Contract Size	16
Unit of Trading	Any multiple of 16 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Marginal Price (LMPs) for all peak hours in the month of production for NE Massachusetts Zone Day Ahead published by ISO-NE
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.2 Financial Power Swap – ISO New England NE Massachusetts Day Ahead LMP, Off-Peak Monthly

Description	Monthly cash settled Financial Power Swap – Off-Peak, ISO-NE NE Massachusetts Zone DA LMP, Monthly
Contract Symbol	IND

Contract Size	5
Unit of Trading	Any multiple of 5 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Marginal Price (LMPs) for all off-peak hours in the month of production for NE Massachusetts Zone Day Ahead published by ISO-NE
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.3 Financial Power Swap – ISO New England SE Massachusetts Day Ahead LMP, Peak Monthly

Description	Monthly cash settled Financial Power Swap – Peak, ISO-NE SE Massachusetts Zone DA LMP, Monthly
Contract Symbol	IMB
Contract Size	16
Unit of Trading	Any multiple of 16 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series

Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Marginal Price (LMPs) for all peak hours in the month of production for SE Massachusetts Zone Day Ahead published by ISO-NE
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.4 Financial Power Swap – ISO New England SE Massachusetts Day Ahead LMP, Off-Peak Monthly

Description	Monthly cash settled Financial Power Swap – Off-Peak, ISO-NE SE Massachusetts Zone DA LMP, Monthly
Contract Symbol	IMD
Contract Size	5
Unit of Trading	Any multiple of 5 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Marginal Price (LMPs) for all off-peak hours in the month of production for SE Massachusetts Zone Day Ahead published

	by ISO-NE
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.5 Financial Power Swap – NYISO Zone C Day Ahead LBMP, Peak Monthly

Description	Monthly cash settled Financial Power Swap – Peak, NYISO Zone C DA LBMP, Monthly
Contract Symbol	ZCB
Contract Size	16
Unit of Trading	Any multiple of 16 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Based Marginal Price (LBMPs) for all peak hours in the month of production for Zone C Day Ahead published by NYISO
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.6 Financial Power Swap – NYISO Zone C Day Ahead LBMP, Off-Peak Monthly

Description	Monthly cash settled Financial Power Swap – Off-Peak, NYISO Zone C
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	DA LBMP, Monthly
Contract Symbol	ZCD
Contract Size	5
Unit of Trading	Any multiple of 5 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Based Marginal Price (LBMPs) for all off-peak hours in the month of production for Zone C Day Ahead published by NYISO
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.7 Financial Power Swap – NYISO Zone F Day Ahead LBMP, Peak Monthly

Description	Monthly cash settled Financial Power Swap – Peak, NYISO Zone F DA LBMP, Monthly
Contract Symbol	ZFB
Contract Size	16
Unit of Trading	Any multiple of 16 MWh
Currency	US \$ and cents per MWh
Minimum Price Fluctuation	0.01

Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Based Marginal Price (LBMPs) for all peak hours in the month of production for Zone F Day Ahead published by NYISO
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

2.8 Financial Power Swap – NYISO Zone F Day Ahead LBMP, Off-Peak Monthly

Description	Monthly cash settled Financial Power Swap – Off-Peak, NYISO Zone F DA LBMP, Monthly
Contract Symbol	ZFD
Contract Size	5
Unit of Trading	Any multiple of 5 Mwh
Currency	US \$ and cents per MWH
Minimum Price Fluctuation	0.01
Last Trading Day	Close of business three US Business Days following the last calendar day of the contract series
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE based on Volume Weighted Trade in the settlement period plus consideration of other cash and derivative markets where necessary
	In respect of final settlement, the Floating Price will be a price in USD and cents per MWh equal to the arithmetic average of the hourly day-ahead Locational Based Marginal Price (LBMPs) for all off-peak hours

	in the month of production for Zone F Day Ahead published by NYISO
Contract Series	Up to 50 months
Final Payment Date	The Business Day following the Last Trading Day
Business Days	US Business Days

3 Oil

3.1 Heating Oil Crack - NYH Heating Oil 1st Line vs WTI 1st Line Swap

Description	A monthly cash settled swap based on the difference of the average of the Nymex daily settlement price for New York Harbour No.2 Heating Oil Futures contract and the average of the Nymex daily settlement price for WTI Futures contract over the contract month.
Contract Symbol	HBW
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Barrel
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Barrel
Last Trading Day	Last Business Day of the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the relevant daily settlement prices as made public by Nymex for the New York Harbour No.2 Heating Oil Futures quotation minus the relevant daily settlement prices as made public by Nymex for the WTI Futures quotation for each Business Day in the determination period. Conversion factor: 1,000 Bbl

	= 42,000 Gallons
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.2 Gasoline Outright – RBOB Gasoline 1st Line Swap

Description	A monthly cash settled swap based on the Nymex average of the daily settlement prices for RBOB Gasoline Futures contract.
Contract Symbol	RBS
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One hundredth of one cent (\$0.0001) per Gallon
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Gallon
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Gallon
Last Trading Day	Last Business Day of the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Gallon based on the average of the relevant daily settlement prices as made public by Nymex for the RBOB Futures contract quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An

	additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.3 Gasoline Crack – RBOB Gasoline 1st Line vs WTI 1st Line Swap

Description	A monthly cash settled swap based on the difference of the average of the Nymex daily settlement prices for RBOB Gasoline Futures contract and the Nymex daily settlement prices for WTI Futures contract over the contract month.
Contract Symbol	RBW
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	To one cent (\$0.01) per Barrel
Settlement Price Quotation	To one hundredth of a cent (\$0.0001) per Barrel
Minimum Price Fluctuation	To one hundredth of a cent (\$0.0001) per Barrel
Last Trading Day	Last Business Day of the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the relevant daily settlement prices as made public by Nymex for the front-month RBOB NYH Gasoline Futures contract quotation minus the average of the settlement prices as made public by Nymex for the WTI Futures contract quotation for each Business Day in the determination period. Conversion factor: 1,000 Bbl = 42,000 Gallons
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the

	expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.4 Fuel Oil Crack - 1% NYH Cargo Swap vs WTI 1st Line Balmo Swap

Description	A balance of the month cash settled swap based on the difference between the Platts daily assessment price for New York 1% Fuel Oil Cargoes and the Nymex daily settlement price for WTI 1st Line Swap.
Contract Symbol	GIP-GJT
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	To one cent (\$0.01) per Barrel
Settlement Price Quotation	To one tenth of a cent (\$0.001) per Barrel
Minimum Price Fluctuation	To one tenth of a cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Platts US Marketscan" under the heading "Atlantic Coast New York" subheading "Residual fuel (\$/bbl)" for the "No. 6 1%" quotation minus the average of the of the settlement prices as made public by Nymex for the front month WTI 1st Line Swap contract for each Business Day in the determination period.
Contract Series	Up to 2 consecutive months
Final Payment Dates	One Business Day following the Last Trading Day

Business Days	US Business Days
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3.5 Gasoil Outright - Gasoil 50ppm FOB Rdam Barges Bullet Swap

Description	A bullet swap based on the Platts daily assessment price for Gasoil 50ppm FOB Rotterdam Barges.
Contract Symbol	GSE
Contract Size	100 Metric Tonnes
Unit of Trading	Any multiple of 100 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Metric Tonne for Blocks (\$0.25 on Screen)
Settlement Price Quotation	One tenth of one cent (\$0.001) per Metric Tonne
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Metric Tonne
Last Trading Day	Trading shall cease one Business day prior to the ICE Gas Oil Futures, i.e. 3 Business Days prior to the 14th calendar day of the delivery.
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Metric Tonne based on the average of the mean of the relevant high and low quotations appearing in the "Platts European Marketscan" under the heading "Northwest Europe barges" subheading "FOB Rotterdam" for the "Gasoil 50ppm" quotation on the third business day prior to the 14th calendar day.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	London Business Days

3.6 Fuel Oil Diff - 3% USGC Swap vs 3.5% FOB Rdam Barges Balmo Swap

Description	A balance of the month cash settled swap based on the difference between the Platts daily assessment price for No.6 3% US Gulf Coast Fuel Oil and the Platts daily assessment price for 3.5% FOB Rotterdam Barges Fuel Oil.
Contract Symbol	GJU-GKY
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Platts US Marketscan" under the heading "Gulf Coast" subheading "Residual fuel" for the "No. 6 3%" quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts European Marketscan" under the heading "Northwest Europe barges" subheading "FOB Rotterdam" for the "Fuel oil 3.5%" quotation for each Business Day in the determination period. The conversion factor for this contract is 1,000 bbl = 157.48 mt.
Contract Series	Up to 2 consecutive calendar months
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	London/US Business Days

3.7 Crude Outright – Argus East Siberian Pacific Ocean (ESPO) Swap

Description	A monthly cash settled swap based on the Argus daily assessment price for East Siberian Pacific Ocean (ESPO) Crude Oil.
Contract Symbol	ARG
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "Asia-Pacific" subheading "Russia" for the "ESPO Blend" quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.8 Crude Diff – Argus East Siberian Pacific Ocean (ESPO) Diff Swap

Description	A monthly cash settled differential swap based on the Argus daily assessment price for East Siberian Pacific Ocean (ESPO) Blend Diff.
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Contract Symbol	ARF
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "Asia-Pacific" subheading "Russia" for the "ESPO Blend Diff" quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.9 Crude Outright – Platts East Siberian Pacific Ocean (ESPO) Swap

Description	A monthly cash settled swap based on the Platts daily assessment price for East Siberian Pacific Ocean (ESPO) Crude Oil.
Contract Symbol	ESO

Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in "Platts Crude Oil Marketwire" under the heading "Russian Urals/ESPO spot assessments" for the "ESPO (FOB Kozmino)" quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.10 Crude Diff – Platts East Siberian Pacific Ocean (ESPO) Diff Swap

Description	A monthly cash settled differential swap based on the Platts daily assessment price for East Siberian Pacific Oil (ESPO) Diff to Dubai.
Contract Symbol	ESP
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels

Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Platts Crude Oil Marketwire" under the heading "Asia-Pacific/Middle East spot crude assessments (\$/bbl)" subheading "Light" for the "ESPO Diff to Dubai or ICP (Asian MOC)" quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.11 Crude Outright – Argus LLS Swap

Description	A monthly cash settled swap based on the Argus daily assessment price for Light Louisiana Sweet Crude Oil.
Contract Symbol	ARH
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel

Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the arithmetic mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "LLS" (1st Month) quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.12 Crude Diff – Argus LLS vs Brent 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Light Louisiana Sweet Crude Oil (1st Month) and the ICE daily settlement price for Brent 1st Line Swap.
Contract Symbol	ARI
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel

Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "LLS" (1st Month) quotation minus the average of the settlement prices as made public by ICE for the ICE Brent 1st Line Swap quotation for each Business Day in the determination period. Non-Common Pricing Applies.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Roll Adjust Provision	In order to use the correct Floating Price quotations, the nearby month quotation for ICE Brent Futures specified in the Floating Price terms above will be used except for the expiration date of the commodity's underlying delivery month's futures contract. On such date, the applicable pricing quotation will be rolled to the following month's futures contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.13 Crude Diff – Argus LLS vs Dated Brent Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Light Louisiana Sweet Crude Oil (1st Month) and the Platts daily assessment price for Dated Brent.
Contract Symbol	ARJ

Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "LLS" (1st Month) quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts Crude Oil Marketwire" under the heading "Key Benchmarks (\$/bbl)" for the "Brent (Dated)" quotation for each Business Day in the determination period. Non-Common Pricing Applies.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.14 Crude Diff – Argus LLS vs WTI Trade Month Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Light Louisiana Sweet Crude Oil (1st Month) and the Argus daily assessment price for WTI 1st Line Swap.
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Contract Symbol	ARL
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	Trading shall cease at the close of trading on the last business day that falls on or before the 25th calendar day of the month prior to the contract month. If the 25th calendar day is a weekend or holiday, trading shall cease on the first business day prior to the 25th calendar day.
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US Gulf coast and midcontinent pipeline" subheading "Gulf coast and midcontinent pipeline" for the "LLS Diff wtd avg" (1st Month) quotation for each Business Day in the determination period. The arithmetic average of the LLS (1st month) differential weighted average (Diff wtd avg) price taken from Argus Media, is based upon the weighted average floating price of LLS minus the "WTI Formula Basis" price from Argus Media, for the Trade month period beginning with the first business day after the 25th calendar day two months prior to the contract month through the last business day that falls on or before the 25th calendar day of the month prior to the contract month. If the 25th calendar day is a weekend or holiday, the Trade month period shall end on the first business day prior to the 25th calendar day.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day

Business Days	US Business Days
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3.15 Crude Diff – Argus LLS vs WTI 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Light Louisiana Sweet Crude Oil (1st Month) and the ICE daily settlement price for WTI 1st Line Swap.
Contract Symbol	ARK
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "LLS" (1st Month) quotation minus the average of the settlement prices as made public by ICE for the WTI 1st Line Swap quotation for each Business Day in the determination period. Non-Common Pricing Applies.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.

Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.16 Crude Outright – Argus Mars Swap

Description	A monthly cash settled swap based on the Argus daily assessment price for Mars Crude Oil (1st Month).
Contract Symbol	ARM
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the arithmetic mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "Mars" (1st Month) quotation for each Business Day in the determination period.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day

Business Days	US Business Days
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3.17 Crude Diff – Argus Mars vs Brent 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Mars Crude Oil (1st Month) and the ICE daily settlement price for Brent 1st Line Swap.
Contract Symbol	ARN
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "Mars" (1st Month) quotation minus the average of the settlement prices as made public by ICE for the ICE Brent 1st Line Swap quotation for each Business Day in the determination period. Non-Common Pricing Applies.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.

Roll Adjust Provision	In order to use the correct Floating Price quotations, the nearby month quotation for ICE Brent Futures specified in the Floating Price terms above will be used except for the expiration date of the commodity's underlying delivery month's futures contract. On such date, the applicable pricing quotation will be rolled to the following month's futures contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.18 Crude Diff – Argus Mars vs WTI 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Argus daily assessment price for Mars Crude Oil (1st Month) and the Nymex daily settlement price for WTI 1st Line Swap.
Contract Symbol	ARO
Contract Size	1,000 Barrels
Unit of Trading	Any multiple of 1,000 Barrels
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One tenth of one cent (\$0.001) per Barrel
Minimum Price Fluctuation	One tenth of one cent (\$0.001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel based on the average of the mean of the relevant high and low quotations appearing in the "Argus Crude" report under the heading "US pipeline \$/bbl" for the "Mars" (1st Month) quotation minus the average of the settlement prices as made public by Nymex for the WTI 1st Line Swap quotation for each Business Day in the determination

	period. Non-Common Pricing Applies.
Contract Series	Up to 48 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.19 Jet Fuel Outright – Gulf Coast Jet Fuel Swap

Description	A monthly cash settled swap based on the Platts daily assessment price for Gulf Coast Jet 54 Pipeline.
Contract Symbol	JCF
Contract Size	42,000 Gallons
Unit of Trading	Any multiple of 42,000 Gallons
Currency	US Dollars and cents
Trading Price Quotation	To one hundredth of a cent (\$0.0001) per Gallon
Settlement Price Quotation	To one hundredth of a cent (\$0.0001) per Gallon
Minimum Price Fluctuation	To one hundredth of a cent (\$0.0001) per Gallon
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Gallon based on the average of the mean of the relevant high and low quotations appearing in the "Platts US Marketscan" under the heading "Gulf Coast" subheading "Distillates and blendstocks" for the "Jet54 Pipeline" quotation for each Business Day in the determination

	period.
Contract Series	Up to 36 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	US Business Days

3.20 Fuel Oil Crack – 180 cst Sing vs Brent 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Platts daily assessment price for 180 cst Singapore High Sulfur Fuel Oil FOB Cargoes and the ICE daily settlement price for Brent 1st Line Swap.
Contract Symbol	SBS
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Barrel
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the difference of the arithmetic mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" for the "HSFO 180 CST (\$/mt)" quotation minus the average of the settlement prices as made public by ICE for the ICE

	Brent 1st Line Swap quotation for each Business Day in the determination period. Conversion factor: 6,350 bbl = 1,000 mt
Roll Adjust Provision	In order to use the correct Floating Price quotations, the nearby month quotation for ICE Brent Futures specified in the Floating Price terms above will be used except for the expiration date of the commodity's underlying delivery month's futures contract. On such date, the applicable pricing quotation will be rolled to the following month's futures contract.
Contract Series	Up to 60 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.21 Fuel Oil Crack – 180 cst Sing vs Dubai 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Platts daily assessment price for 180 cst Singapore High Sulfur Fuel Oil FOB Cargoes and the Platts daily assessment price for prompt month Dubai.
Contract Symbol	SES
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Barrel
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward

	and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the difference of the arithmetic mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" for the "HSFO 180 CST (\$/mt)" quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts Crude Oil Marketwire" under the heading "Key benchmarks (\$/bbl)" for the prompt month "Dubai" quotation for each Business Day in the determination period. Conversion factor: 6,350 bbl = 1,000 mt
Contract Series	Up to 60 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.22 Fuel Oil Diff – 380 cst Sing vs 3.5% Rdam FOB Barges Swap

Description	A monthly cash settled swap based on the difference between the Platts daily assessment price for 380 CST Singapore Fuel Oil and the Platts daily assessment price for 3.5% FOB Rotterdam Barges Fuel Oil.
Contract Symbol	SJS
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Metric Tonne for Blocks (\$0.25 on Screen)
Settlement Price Quotation	To one tenth of a cent (\$0.001) per Metric Tonne
Minimum Price Fluctuation	To one tenth of a cent (\$0.001) per Metric Tonne
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price

Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Metric Tonne based on the average of the mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" and "FOB Singapore" for the "HSFO 380 CST (\$/mt)" quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts European Marketscan" under the heading "Northwest Europe barges" subheading "FOB Rotterdam" for the "Fuel oil 3.5%" quotation for each Business Day in the determination period.
Contract Series	Up to 60 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.23 Fuel Oil Diff – 380 cst Sing vs 3.5% Rdam FOB Barges Balmo Swap

Description	A balance of the month cash settled based on the difference between the Platts daily assessment price for 380 CST Singapore Fuel Oil and the Platts daily assessment price for 3.5% FOB Rotterdam Barges Fuel Oil.
Contract Symbol	AHF-AIJ
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Metric Tonne for Blocks (\$0.25 on Screen)
Settlement Price Quotation	To one tenth of a cent (\$0.001) per Metric Tonne
Minimum Price Fluctuation	To one tenth of a cent (\$0.001) per Metric Tonne

Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Metric Tonne based on the average of the mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" and "FOB Singapore" for the "HSFO 380 CST (\$/mt)" quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts European Marketscan" under the heading "Northwest Europe barges" subheading "FOB Rotterdam" for the "Fuel oil 3.5%" quotation for each Business Day in the determination period.
Contract Series	Up to 2 consecutive calendar months.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.24 Fuel Oil Crack – 380 cst Sing vs Brent 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Platts daily assessment price for 380 cst Singapore High Sulfur Fuel Oil FOB Cargoes and the ICE daily settlement price for Brent 1st Line Swap.
Contract Symbol	SPS
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents
Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Barrel
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Barrel
Last Trading Day	First Business Day following the settlement period

Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the difference of the arithmetic mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" for the "HSFO 380 CST (\$/mt)" quotation minus the average of the settlement prices as made public by ICE for the ICE Brent 1st Line Swap quotation for each Business Day in the determination period. Conversion factor: 6,350 bbl = 1,000 mt
Roll Adjust Provision	In order to use the correct Floating Price quotations, the nearby month quotation for ICE Brent Futures specified in the Floating Price terms above will be used except for the expiration date of the commodity's underlying delivery month's futures contract. On such date, the applicable pricing quotation will be rolled to the following month's futures contract.
Contract Series	Up to 60 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days

3.25 Fuel Oil Crack – 380 cst Sing vs Dubai 1st Line Swap

Description	A monthly cash settled swap based on the difference between the Platts daily assessment price for 380 cst Singapore High Sulfur Fuel Oil FOB Cargoes and the Platts daily assessment price for prompt month Dubai.
Contract Symbol	SLS
Contract Size	1,000 Metric Tonnes
Unit of Trading	Any multiple of 1,000 Metric Tonnes
Currency	US Dollars and cents

Trading Price Quotation	One cent (\$0.01) per Barrel
Settlement Price Quotation	One hundredth of one cent (\$0.0001) per Barrel
Minimum Price Fluctuation	One hundredth of one cent (\$0.0001) per Barrel
Last Trading Day	First Business Day following the settlement period
Fixed Price	The traded price or the previous day's settlement price
Floating Price	In respect of daily settlement, the Floating Price will be determined by ICE using price data from a number of sources including spot, forward and derivative markets for both physical and financial products.
Final Settlement Price	In respect of final settlement, the Floating Price will be a price in USD and cents per Barrel equal to the difference of the arithmetic mean of the relevant high and low quotations appearing in the "Platts Asia-Pacific/Arab Gulf Marketscan" under the heading "Asia Products" subheading "Singapore" for the "HSFO 380 CST (\$/mt)" quotation minus the average of the mean of the relevant high and low quotations appearing in the "Platts Crude Oil Marketwire" under the heading "Key benchmarks (\$/bbl)" for the prompt month "Dubai" quotation for each Business Day in the determination period. Conversion factor: 6,350 bbl = 1,000 mt
Contract Series	Up to 60 consecutive months will be listed commencing with the next calendar month. Quarterly and calendar tenors will be listed within the total number of listed monthly contract months as appropriate. An additional 12 months will be added to the end of the series upon the expiry of prompt December contract.
Final Payment Dates	One Business Day following the Last Trading Day
Business Days	Singapore Business Days