

DERIVATIVES SERVICE BUREAU (DSB) LTD

Commodity Reference Price

Enumeration Document

Version 8

Date	Status	Version	Revision Details
07 Sep 2022	Initial	1	Initial Version
08 Feb 2023	Change	2	Update Underlier ID Source
14 Jul 2023	Change	3	Update codeset name
07 Aug 2023	Change	4	Added 83 new CRPs
24 Oct 2023	Change	5	Add OTC ISIN details
04 Apr 2024	Change	6	Update Input Data Source
15 Apr 2024	Change	7	<ul style="list-style-type: none"> • Add Digital Asset entries • Add Appendix – Selection criteria for Digital Asset entries
24 Apr 2024	Change	8	Update Appendix

I. Introduction

This document provides the user with the details of an enumeration set used within the OTC ISIN and UPI Services.

I.1 Input Data Source

This section provides the exact reference or source of the underlier input values for the OTC ISIN and UPI Services.

Data Source	OTC ISIN	UPI		Source	Version
	Underlying Instrument	Underlier Type	Underlier ID Source		
Commodity Ref Price	Reference Rate	Commodity Ref Price	COMM	ISDA Commodities Taxonomy v2.0	Latest Version
				FpML (Commodity Reference Price Scheme)	Latest version Commodity Reference Price 4.0 onwards*
				Digital Token Identifier Foundation	See Appendix

*The FpML Commodity Reference Price Scheme is subject to the ISDA review of Commodity Reference Price Definitions. The DSB Commodity Reference Price enumeration list will be updated as new entries are published by FpML.

I.2 JSON Codesets

This section provides the JSON codeset name of the underlier input values for the OTC ISIN and UPI Services.

Codeset Name	OTC ISIN	UPI	Last Modified Date
	Underlying Instrument	Underlier Type	
CommoditiesReferenceRate.json	Reference Rate	Commodity Ref Price	2024-04-02

I.3 Impacted Product Templates

The enumeration values defined in this document depend on the product.

The following table presents the impacted products that make use of the enumeration list.

Asset Class	Instrument Type	Product	OTC ISIN	UPI		Allowed Input
			Underlying Instrument	Underlier Type	Underlier ID Source	
Commodities	Swap	Swap	Reference Rate	Commodity Ref Price*	COMM	Single
Commodities	Swap	Basis_Swap		Commodity Ref Price*	COMM	Basis
Commodities	Swap	Multi_Exotic_Swap		Not applicable	-	Basket
Commodities	Swap	Non_Standard		Commodity Ref Price*	COMM	Single/Basis/Basket
Commodities	Option	Option		Commodity Ref Price*	COMM	Single
Commodities	Option	Multi_Exotic_Option		Not applicable	-	Basket
Commodities	Option	Non_Standard		Commodity Ref Price*	COMM	Single/Basket
Commodities	Forward	Forward		Commodity Ref Price*	COMM	Single
Commodities	Forward	Multi_Exotic_Forward		Not applicable	-	Basket
Commodities	Forward	Non_Standard		Commodity Ref Price*	COMM	Single/Basket
Other	Forward	Non_Standard		Commodity Ref Price*	COMM	Single/Basket
Other	Swap	Non_Standard		Commodity Ref Price*	COMM	Single/Basis/Basket
Other	Option	Non_Standard		Commodity Ref Price*	COMM	Single/Basket
Other	Other	Non_Standard		Commodity Ref Price*	COMM	Single/Basis/Basket

*Underlier type is not a required input value.

2. Enumeration Lists

2.1 Commodity Ref Price

In the table, Commodity Ref Price is enumerated as an underlier which is described in the impacted product templates.

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
A Fuel oil 0.1%S -waterborne spot Tokyo bay rim intelligence products	A Fuel oil 0.1%S -waterbo	-	-
A Fuel oil 1.0%S -waterborne spot Tokyo bay rim intelligence products	A Fuel oil 1.0%S -waterbo	-	-
AGRI-AZUKI BEANS-OSE	AGRI-AZUKI BEANS-OSE	-	-
AGRI-BARLEY-FEED-ASX	AGRI-BARLEY-FEED-ASX	-	-
AGRI-BUTTER-CASH SETTLED-CME	AGRI-BUTTER-CASH SETTLED-	-	-
AGRI-BUTTER-DAILY CASH TRADING-USDA	AGRI-BUTTER-DAILY CASH TR	-	-
AGRI-BUTTER-USDA	AGRI-BUTTER-USDA	-	-
AGRI-CANOLA-ICE	AGRI-CANOLA-ICE	-	-
AGRI-CATTLE-FEEDER-CME	AGRI-CATTLE-FEEDER-CME	-	-
AGRI-CATTLE-LIVE-CME	AGRI-CATTLE-LIVE-CME	-	-
AGRI-CHEESE-BARRELS-DAILY CASH TRADING-USDA	AGRI-CHEESE-BARRELS-DAILY	-	-
AGRI-CHEESE-BLOCKS-DAILY CASH TRADING-USDA	AGRI-CHEESE-BLOCKS-DAILY	-	-
AGRI-CHEESE-PRODUCT PRICE AVERAGES-USDA	AGRI-CHEESE-PRODUCT PRICE	-	-
AGRI-COCOA-ICE	AGRI-COCOA-ICE	-	-
AGRI-COCOA-LONDON-ICE	AGRI-COCOA-LONDON-ICE	-	-
AGRI-COFFEE-ARABICA-BMandF	AGRI-COFFEE-ARABICA-BMand	-	-
AGRI-COFFEE-ARABICA-ICE	AGRI-COFFEE-ARABICA-ICE	-	-
AGRI-COFFEE-ROBUSTA-ICE	AGRI-COFFEE-ROBUSTA-ICE	-	-
AGRI-CORN-CBOT	AGRI-CORN-CBOT	-	-
AGRI-CORN-CBOT-JSE	AGRI-CORN-CBOT-JSE	-	-
AGRI-CORN-EURONEXT MATIF	AGRI-CORN-EURONEXT MATIF	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
AGRI-COTTON-NO. 2-ICE	AGRI-COTTON-NO. 2-ICE	-	-
AGRI-DAP-CENTRAL FLORIDA-FERTILIZER INDEX	AGRI-DAP-CENTRAL FLORIDA-	-	-
AGRI-DAP-FOB-NOLA BARGE-FERTILIZER INDEX	AGRI-DAP-FOB-NOLA BARGE-F	-	-
AGRI-DAP-FOB-TAMPA-FERTILIZER INDEX	AGRI-DAP-FOB-TAMPA-FERTIL	-	-
AGRI-DAP-METRIC TONNE-FOB-TAMPA-FERTILIZER INDEX	AGRI-DAP-METRIC TONNE-FOB	-	-
AGRI-HOGS-LEAN-CME	AGRI-HOGS-LEAN-CME	-	-
AGRI-LUMBER-RANDOM LENGTH-CME	AGRI-LUMBER-RANDOM LENGTH	-	-
AGRI-MAP-CFR-BRAZIL-DAILY-ARGUS	AGRI-MAP-CFR-BRAZIL-DAILY	-	-
AGRI-MAP-CFR-BRAZIL-WEEKLY-ARGUS	AGRI-MAP-CFR-BRAZIL-WEEKL	-	-
AGRI-MILK-CLASS III-CME	AGRI-MILK-CLASS III-CME	-	-
AGRI-MILK-CLASS IV-CME	AGRI-MILK-CLASS IV-CME	-	-
AGRI-MILK-NONFAT-DRY-CME	AGRI-MILK-NONFAT-DRY-CME	-	-
AGRI-MILK-NONFAT-DRY-USDA	AGRI-MILK-NONFAT-DRY-USDA	-	-
AGRI-MILK-WMP-SGX	AGRI-MILK-WMP-SGX	-	-
AGRI-OATS-CBOT	AGRI-OATS-CBOT	-	-
AGRI-ORANGE JUICE-FROZEN CONCENTRATED-ICE	AGRI-ORANGE JUICE-FROZEN	-	-
AGRI-PALM OIL-CRUDE-FCPO-BMD	AGRI-PALM OIL-CRUDE-FCPO-	-	-
AGRI-PORK-CUTOUT-CME	AGRI-PORK-CUTOUT-CME	-	-
AGRI-RAPESEED-EURONEXT MATIF	AGRI-RAPESEED-EURONEXT MA	-	-
AGRI-RICE-ROUGH-CBOT	AGRI-RICE-ROUGH-CBOT	-	-
AGRI-RUBBER-RSS3-OSE	AGRI-RUBBER-RSS3-OSE	-	-
AGRI-RUBBER-RSS3-SGX	AGRI-RUBBER-RSS3-SGX	-	-
AGRI-RUBBER-TSR20-OSE	AGRI-RUBBER-TSR20-OSE	-	-
AGRI-RUBBER-TSR20-SGX	AGRI-RUBBER-TSR20-SGX	-	-
AGRI-SOYBEAN-MEAL-CBOT	AGRI-SOYBEAN-MEAL-CBOT	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
AGRI-SOYBEAN-MEAL-CBOT-JSE	AGRI-SOYBEAN-MEAL-CBOT-JS	-	-
AGRI-SOYBEAN-OIL-CBOT	AGRI-SOYBEAN-OIL-CBOT	-	-
AGRI-SOYBEAN-OIL-CBOT-JSE	AGRI-SOYBEAN-OIL-CBOT-JSE	-	-
AGRI-SOYBEANS-CBOT	AGRI-SOYBEANS-CBOT	-	-
AGRI-SOYBEANS-CBOT-JSE	AGRI-SOYBEANS-CBOT-JSE	-	-
AGRI-SOYBEANS-JSE	AGRI-SOYBEANS-JSE	-	-
AGRI-SUGAR-NO. 11-ICE	AGRI-SUGAR-NO. 11-ICE	-	-
AGRI-SUGAR-NO. 16-ICE	AGRI-SUGAR-NO. 16-ICE	-	-
AGRI-SUNFLOWER SEEDS-JSE	AGRI-SUNFLOWER SEEDS-JSE	-	-
AGRI-UAN-FOB-NOLA BARGE-FERTILIZER INDEX	AGRI-UAN-FOB-NOLA BARGE-F	-	-
AGRI-UREA-GRANULAR-FOB-EGYPT-FERTILIZER INDEX	AGRI-UREA-GRANULAR-FOB-EG	-	-
AGRI-UREA-GRANULAR-FOB-NOLA BARGE-FERTILIZER INDEX	AGRI-UREA-GRANULAR-FOB-NO	-	-
AGRI-UREA-GRANULAR-FOB-US GULF-DAILY-ARGUS	AGRI-UREA-GRANULAR-FOB-US	-	-
AGRI-UREA-GRANULAR-FOB-US GULF-WEEKLY-ARGUS	AGRI-UREA-GRANULAR-FOB-US	-	-
AGRI-UREA-PRILLED-FOB-YUZHNY-FERTILIZER INDEX	AGRI-UREA-PRILLED-FOB-YUZ	-	-
AGRI-WHEAT-CBOT	AGRI-WHEAT-CBOT	-	-
AGRI-WHEAT-FEED-UK-ICE	AGRI-WHEAT-FEED-UK-ICE	-	-
AGRI-WHEAT-HRW-KC-CME	AGRI-WHEAT-HRW-KC-CME	-	-
AGRI-WHEAT-HRW-MGEX	AGRI-WHEAT-HRW-MGEX	-	-
AGRI-WHEAT-MILLING-ASX	AGRI-WHEAT-MILLING-ASX	-	-
AGRI-WHEAT-MILLING-JSE	AGRI-WHEAT-MILLING-JSE	-	-
AGRI-WHEAT-MILLING-NO. 2-EURONEXT MATIF	AGRI-WHEAT-MILLING-NO. 2-	-	-
AGRI-WHEY-DRY-USDA	AGRI-WHEY-DRY-USDA	-	-
AGRI-WHITE MAIZE-WMI-JSE	AGRI-WHITE MAIZE-WMI-JSE	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
AGRI-WHITE MAIZE-WM2-JSE	AGRI-WHITE MAIZE-WM2-JSE	-	-
AGRI-WHITE SUGAR-ICE	AGRI-WHITE SUGAR-ICE	-	-
AGRI-YELLOW MAIZE-YM1-JSE	AGRI-YELLOW MAIZE-YM1-JSE	-	-
AGRI-YELLOW MAIZE-YM2-JSE	AGRI-YELLOW MAIZE-YM2-JSE	-	-
ALUMINIUM ALLOY-LME 15 MONTH	ALUMINIUM ALLOY-LME 15 MO	-	-
ALUMINIUM ALLOY-LME 27 MONTH	ALUMINIUM ALLOY-LME 27 MO	-	-
ALUMINIUM ALLOY-LME 3 MONTH	ALUMINIUM ALLOY-LME 3 MON	-	-
ALUMINIUM ALLOY-LME CASH	ALUMINIUM ALLOY-LME CASH	-	-
ALUMINIUM ALLOY-MW A-380-PLATTS METALS ALERT	ALUMINIUM ALLOY-MW A-380-	-	-
ALUMINIUM ALLOY-MW-319-PLATTS METALS ALERT	ALUMINIUM ALLOY-MW-319-PL	-	-
ALUMINIUM ALLOY-MW-356-PLATTS METALS ALERT	ALUMINIUM ALLOY-MW-356-PL	-	-
ALUMINIUM-LME 15 MONTH	ALUMINIUM-LME 15 MONTH	-	-
ALUMINIUM-LME 27 MONTH	ALUMINIUM-LME 27 MONTH	-	-
ALUMINIUM-LME 3 MONTH	ALUMINIUM-LME 3 MONTH	-	-
ALUMINIUM-LME CASH	ALUMINIUM-LME CASH	-	-
ALUMINIUM-MIDWEST-PLATTS METALS ALERT	ALUMINIUM-MIDWEST-PLATTS	-	-
ALUMINIUM-TOCOM	ALUMINIUM-TOCOM	-	-
ALUMINIUM-COMEX	ALUMINIUM-COMEX	-	-
AMMONIA - CFR TAMPA - FMB	AMMONIA - CFR TAMPA - FMB	-	-
AMMONIA - FOB US GULF BARGE - FMB	AMMONIA - FOB US GULF BAR	-	-
AMMONIA - FOB YUZHNY - FMB	AMMONIA - FOB YUZHNY - FM	-	-
ARABIAN LIGHT FOB ARA CRACK NETBACK-PLATTS MARKETWIRE	ARABIAN LIGHT FOB ARA CRA	-	-
AZUKI BEANS-TGE	AZUKI BEANS-TGE	-	-
BARLEY-ICE	BARLEY-ICE	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
Benzene in Europe Contract (FOB NEW)	Benzene in Europe Contrac	-	-
BENZENE-CONTRACT BENZENE (FOB USGC/GAL)- GALLON-B&D	BENZENE-CONTRACT BENZENE	-	-
BENZENE-CONTRACT BENZENE (FOB USGC/GAL)-TON- B&D	BENZENE-CONTRACT BENZENE	-	-
BENZENE-CONTRACT BENZENE-GALLON-CMAI	BENZENE-CONTRACT BENZENE-	-	-
BENZENE-CONTRACT BENZENE-TON-CMAI	BENZENE-CONTRACT BENZENE-	-	-
BENZENE-SPOT BENZENE (USGC/GAL)-GALLON-B&D	BENZENE-SPOT BENZENE (USG	-	-
BENZENE-SPOT BENZENE (USGC/GAL)-TON-B&D	BENZENE-SPOT BENZENE (USG	-	-
BENZENE-SPOT BENZENE-GALLON-CMAI	BENZENE-SPOT BENZENE-GALL	-	-
BENZENE-SPOT BENZENE-TON-CMAI	BENZENE-SPOT BENZENE-TON-	-	-
BIODIESEL-FAME 0C CFPP ROTTERDAM QUARTER-ARGUS BIOFUELS	BIODIESEL-FAME 0C CFPP RO	-	-
BIODIESEL-FAME 0C CFPP ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-FAME 0C CFPP RO	-	-
BIODIESEL-FAME 0C CFPP T1 CIF ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-FAME 0C CFPP T1	-	-
BIODIESEL-PALM OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-PALM OME ROTTER	-	-
BIODIESEL-RAPESEED OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-RAPESEED OME RO	-	-
BIODIESEL-SOYA OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-SOYA OME ROTTER	-	-
BLEACHED KRAFT FLUFF EUROPE RISI	BLEACHED KRAFT FLUFF EURO	-	-
BRASS BLEND FOB ARA CRACK NETBACK-PLATTS MARKETWIRE	BRASS BLEND FOB ARA CRACK	-	-
BRENT/BFOEOIL-BRENT/BFOE-ICE	BRENT/BFOEOIL-BRENT/BFOE-	-	-
BROAD WOOL (23 MICRON)-SFE	BROAD WOOL (23 MICRON)-SF	-	-
Butter Future CME	Butter Future CME	-	-
C Fuel oil 0.3%S -waterborne spot Tokyo bay rim intelligence products	C Fuel oil 0.3%S -waterbo	-	-
C Fuel oil 3.%S -waterborne spot Tokyo bay rim intelligence products	C Fuel oil 3.%S -waterbor	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
CANOLA-ICE	CANOLA-ICE	-	-
CHICAGO ETHANOL - PLATTS	CHICAGO ETHANOL - PLATTS	-	-
CLEAN FUELS-SPOT METHANOL (GALLON) FOB U.S. GULF-CMAI WEEKLY MMR	CLEAN FUELS-SPOT METHANOL	-	-
CLEAN FUELS-SPOT METHANOL (TON) FOB U.S. GULF-CMAI WEEKLY MMR	CLEAN FUELS-SPOT METHANOL	-	-
COAL - API 8- MONTHLY-ARGUS/MCCLOSKEY'S	COAL - API 8- MONTHLY-ARG	-	-
COAL - API 8- WEEKLY-ARGUS/MCCLOSKEY'S	COAL - API 8- WEEKLY-ARGU	-	-
COAL-API 2 - WEEKLY- ARGUS/MCCLOSKEY'S	COAL-API 2 - WEEKLY- ARGU	-	-
COAL-API 2-MONTHLY - ARGUS/MCCLOSKEY'S	COAL-API 2-MONTHLY - ARGU	-	-
COAL-API 4 WEEKLY-ARGUS/MCCLOSKEY'S	COAL-API 4 WEEKLY-ARGUS/M	-	-
COAL-API 4- MONTHLY- ARGUS/MCCLOSKEY'S	COAL-API 4- MONTHLY- ARGU	-	-
COAL-API 6 MONTHLY-ARGUS/MCCLOSKEY'S	COAL-API 6 MONTHLY-ARGUS/	-	-
COAL-API 6 WEEKLY-ARGUS/MCCLOSKEY'S	COAL-API 6 WEEKLY-ARGUS/M	-	-
COAL-ARA-EEX	COAL-ARA-EEX	-	-
COAL-ARA-GLOBALCOALTM	COAL-ARA-GLOBALCOALTM	-	-
COAL-CENTRAL APPALACHIAN-NYMEX	COAL-CENTRAL APPALACHIAN-	-	-
COAL-CIF ARA CIM-PLATTS	COAL-CIF ARA CIM-PLATTS	-	-
COAL-NEWCASTLE-GLOBALCOALTM	COAL-NEWCASTLE- GLOBALCOAL	-	-
COAL-RICHARDS BAY-EEX	COAL-RICHARDS BAY-EEX	-	-
COAL-RICHARDS BAY-GLOBALCOALTM	COAL-RICHARDS BAY-GLOBALC	-	-
COAL-RICHARDS BAY-ICE	COAL-RICHARDS BAY-ICE	-	-
COAL-ROTTERDAM-ICE	COAL-ROTTERDAM-ICE	-	-
COBALT - LME - 3 MONTH	COBALT - LME - 3 MONTH	-	-
COBALT - LME - CASH	COBALT - LME - CASH	-	-
COBALT HIGH GRADE: Metal Bulletin:	COBALT HIGH GRADE: Metal	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
COBALT LOW GRADE: Metal Bulletin:	COBALT LOW GRADE: Metal B	-	-
COBALT-LME 15 month	COBALT-LME 15 month	-	-
COBALT-LME 3 month	COBALT-LME 3 month	-	-
COCOA-ICE	COCOA-ICE	-	-
COCOA-NYSE Liffe	COCOA-NYSE Liffe	-	-
COFFEE ARABICA-BM&F	COFFEE ARABICA-BM&F	-	-
COFFEE ARABICA-ICE	COFFEE ARABICA-ICE	-	-
COFFEE ROBUSTA-NYSE Liffe	COFFEE ROBUSTA-NYSE Liffe	-	-
COKING COAL-ARGUS- FOB AUSTRALIA-ARGUS COAL DAILY INTERNATIONAL	COKING COAL-ARGUS- FOB AU	-	-
CONTAINERBOARD 26LB CORRUGATING MEDIUM SEMICHEMICAL EAST (LIST) PPW	CONTAINERBOARD 26LB CORRU	-	-
CONTAINERBOARD 26LB SEMICHEMICAL MEDIUM EASTERN U.S. (LIST) PPM	CONTAINERBOARD 26LB SEMIC	-	-
CONTAINERBOARD 42LB LINERBOARD UNBLEACHED KRAFT EAST (LIST) PPW	CONTAINERBOARD 42LB LINER	-	-
CONTAINERBOARD 42LB UNBLEACHED KRAFT LINERBOARD EASTERN U.S. (LIST) PPM	CONTAINERBOARD 42LB UNBLE	-	-
COPPER-COMEX-SAFEX	COPPER-COMEX-SAFEX	-	-
COPPER-COMEX	COPPER-COMEX	-	-
COPPER-LME 15 MONTH	COPPER-LME 15 MONTH	-	-
COPPER-LME 27 MONTH	COPPER-LME 27 MONTH	-	-
COPPER-LME 3 MONTH	COPPER-LME 3 MONTH	-	-
COPPER-LME CASH	COPPER-LME CASH	-	-
CORN-CBOT-SAFEX	CORN-CBOT-SAFEX	-	-
CORN-CBOT	CORN-CBOT	-	-
CORN-NYSE Liffe	CORN-NYSE Liffe	-	-
COTTON NO. 2-ICE	COTTON NO. 2-ICE	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
CRUDE PALM OIL - MDEX,	CRUDE PALM OIL - MDEX,	-	-
CRUDE PALM OIL (FCPO) - MALAYSIA - BURSA MALAYSIA	CRUDE PALM OIL (FCPO) - M	-	-
DAIRY - MILK - NZX,	DAIRY - MILK - NZX,	-	-
DAP fob Tampa-Fertilizer Index	DAP fob Tampa-Fertilizer	-	-
DAP- CENTRAL FLORIDA - FMB	DAP- CENTRAL FLORIDA - FM	-	-
DAP- US GULF DOMESTIC - FMB	DAP- US GULF DOMESTIC - F	-	-
DAP-FERTILIZER INDEX	DAP-FERTILIZER INDEX	-	-
DAP-FOB US GULF - FMB	DAP-FOB US GULF - FMB	-	-
DIESEL FUEL-GULF COAST LOW SULFUR (PIPELINE)-PLATTS U.S.	DIESEL FUEL-GULF COAST LO	-	-
DIESEL FUEL-GULF COAST LOW SULFUR (WATERBORNE)- PLATTS U.S.	DIESEL FUEL-GULF COAST LO	-	-
DIESEL FUEL-GULF COAST ULTRA LOW SULFUR (PIPELINE)- PLATTS U.S.	DIESEL FUEL-GULF COAST UL	-	-
DIESEL FUEL-LOS ANGELES CARB NO. 2 (PIPELINE)-OPIS WEST COAST	DIESEL FUEL-LOS ANGELES C	-	-
DIESEL FUEL-MIDWEST GROUP THREE ULTRA LOW SULFUR PLATTS U.S.	DIESEL FUEL-MIDWEST GROUP	-	-
DIESEL FUEL-NO. 2 BILLINGS-PLATTS OILGRAM	DIESEL FUEL-NO. 2 BILLING	-	-
DIESEL FUEL-NO. 2 SALT LAKE-PLATTS OILGRAM	DIESEL FUEL-NO. 2 SALT LA	-	-
DIESEL FUEL-ON HIGHWAY ALL TYPES (U.S.)-ENERGY INFORMATION ADMINISTRATION	DIESEL FUEL-ON HIGHWAY AL	-	-
DIESEL FUEL-U.S. GULF COAST ULTRA LOW SULFUR (WATERBORNE)-PLATTS US MARKETSCAN	DIESEL FUEL-U.S. GULF COA	-	-
DIESEL FUEL-ULTRA LOW SULFUR (COLONIAL)-ARGUS US PRODUCTS	DIESEL FUEL-ULTRA LOW SUL	-	-
DIESEL FUEL-ULTRA LOW SULFUR (NEW YORK BARGE)- ARGUS US PRODUCTS	DIESEL FUEL-ULTRA LOW SUL	-	-
ELECTRICITY - APX - POWER INDEX: HOURLY,	ELECTRICITY - APX - POWER	-	-
ELECTRICITY - POWER INDEX - HOURLY - EEX	ELECTRICITY - POWER INDEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY - POWER INDEX - HOURLY - GME,	ELECTRICITY - POWER INDEX	-	-
ELECTRICITY MISO- CINERGY HUB-Day Ahead	ELECTRICITY MISO- CINERGY	-	-
ELECTRICITY MISO- CINERGY HUB-REAL TIME	ELECTRICITY MISO- CINERGY	-	-
ELECTRICITY MISO-ILLINOIS HUB-Day Ahead	ELECTRICITY MISO-ILLINOIS	-	-
ELECTRICITY MISO-ILLINOIS HUB-Real-Time	ELECTRICITY MISO-ILLINOIS	-	-
ELECTRICITY MISO-MICHIGAN HUB-Day Ahead	ELECTRICITY MISO-MICHIGAN	-	-
ELECTRICITY MISO-MICHIGAN HUB-Real-Time	ELECTRICITY MISO-MICHIGAN	-	-
ELECTRICITY MISO-MINNESOTA HUB-Day Ahead	ELECTRICITY MISO-MINNESOT	-	-
ELECTRICITY MISO-MINNESOTA HUB-Real-Time	ELECTRICITY MISO-MINNESOT	-	-
ELECTRICITY PJM-NEW JERSEY HUB-DAY AHEAD	ELECTRICITY PJM-NEW JERSE	-	-
ELECTRICITY PJM-NEW JERSEY HUB-REAL TIME	ELECTRICITY PJM-NEW JERSE	-	-
ELECTRICITY PJM-NORTHERN ILLINOIS HUB-DAY AHEAD	ELECTRICITY PJM-NORTHERN	-	-
ELECTRICITY PJM-NORTHERN ILLINOIS HUB-REAL TIME	ELECTRICITY PJM-NORTHERN	-	-
ELECTRICITY PJM-PSEG-DAY AHEAD	ELECTRICITY PJM-PSEG-DAY	-	-
ELECTRICITY PJM-PSEG-REAL TIME	ELECTRICITY PJM-PSEG-REAL	-	-
ELECTRICITY PJM-WESTERN HUB-DAY AHEAD	ELECTRICITY PJM-WESTERN H	-	-
ELECTRICITY PJM-WESTERN HUB-REAL TIME	ELECTRICITY PJM-WESTERN H	-	-
ELECTRICITY-AEMO SPOT PRICE -TAS	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-NSW	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-QLD	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-SA	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-VIC	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-NSW	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-QLD	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEMO SPOT PRICE-SA	ELECTRICITY-AEMO SPOT PRI	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY-AEMO SPOT PRICE-VIC	ELECTRICITY-AEMO SPOT PRI	-	-
ELECTRICITY-AEP DAYTON HUB OFF-PEAK-ICE-	ELECTRICITY-AEP DAYTON HU	-	-
ELECTRICITY-AEP DAYTON HUB PEAK-ICE	ELECTRICITY-AEP DAYTON HU	-	-
ELECTRICITY-AEP DAYTON HUB REAL TIME PEAK-ICE	ELECTRICITY-AEP DAYTON HU	-	-
ELECTRICITY-ALBERTA POWER POOL-AESO	ELECTRICITY-ALBERTA POWER	-	-
ELECTRICITY-CAISO-COB (MALIN_5_N101)-DAY AHEAD	ELECTRICITY-CAISO-COB (MA	-	-
ELECTRICITY-CAISO-FOUR CORNERS (FOURCORN_3_N501)-DAY AHEAD	ELECTRICITY-CAISO-FOUR CO	-	-
ELECTRICITY-CAISO-MEAD (MEADS_2_N101)-DAY AHEAD	ELECTRICITY-CAISO-MEAD (M	-	-
ELECTRICITY-CAISO-NOB SYLMARDC_2_N501)-DAY AHEAD	ELECTRICITY-CAISO-NOB SYL	-	-
ELECTRICITY-CAISO-NP15-DAY AHEAD	ELECTRICITY-CAISO-NP15-DA	-	-
ELECTRICITY-CAISO-NP15-REAL TIME	ELECTRICITY-CAISO-NP15-RE	-	-
ELECTRICITY-CAISO-PALO VERDE (PALOVRDE_ASR-APND)- DAY AHEAD	ELECTRICITY-CAISO-PALO VE	-	-
ELECTRICITY-CAISO-SPI5-DAY AHEAD	ELECTRICITY-CAISO-SPI5-DA	-	-
ELECTRICITY-CAISO-SPI5-REAL TIME	ELECTRICITY-CAISO-SPI5-RE	-	-
ELECTRICITY-CALIFORNIA/OREGON BORDER FIRM (OFF- PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR	-	-
ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR	-	-
ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR	-	-
ELECTRICITY-CINERGY (ON-PEAK)-MEGAWATT DAILY	ELECTRICITY-CINERGY (ON-P	-	-
ELECTRICITY-CINERGY FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-CINERGY FIRM	-	-
ELECTRICITY-CINERGY OFF-PEAK-ICE	ELECTRICITY-CINERGY OFF-P	-	-
ELECTRICITY-CINERGY PEAK-ICE	ELECTRICITY-CINERGY PEAK-	-	-
ELECTRICITY-CINERGY REAL TIME OFF-PEAK-ICE	ELECTRICITY-CINERGY REAL	-	-

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ELECTRICITY-CINERGY REAL TIME PEAK-ICE	ELECTRICITY-CINERGY REAL	-	-
ELECTRICITY-COB OFF-PEAK-ICE	ELECTRICITY-COB OFF-PEAK-	-	-
ELECTRICITY-COB PEAK-ICE	ELECTRICITY-COB PEAK-ICE	-	-
ELECTRICITY-CONTINUOUS TRADING BASE-EEX	ELECTRICITY-CONTINUOUS TR	-	-
ELECTRICITY-CONTINUOUS TRADING PEAK-EEX	ELECTRICITY-CONTINUOUS TR	-	-
ELECTRICITY-CONTINUOUS TRADING WEEKEND BASE-EEX	ELECTRICITY-CONTINUOUS TR	-	-
ELECTRICITY-DAILY PHELIX BASE SPOT-EEX	ELECTRICITY-DAILY PHELIX	-	-
ELECTRICITY-DAILY PHELIX PEAK SPOT-EEX	ELECTRICITY-DAILY PHELIX	-	-
ELECTRICITY-DAY-AHEAD-HOURLY-POWERNEXT	ELECTRICITY-DAY-AHEAD-HOU	-	-
ELECTRICITY-DKK-ELSPOT NO1 (OSL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT N	-	-
ELECTRICITY-DKK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT (S	-	-
ELECTRICITY-DKK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT DK	-	-
ELECTRICITY-DKK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT DK	-	-
ELECTRICITY-DKK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT FI	-	-
ELECTRICITY-DKK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO	-	-
ELECTRICITY-DKK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO	-	-
ELECTRICITY-DKK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO	-	-
ELECTRICITY-DKK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO	-	-
ELECTRICITY-DKK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE	-	-
ELECTRICITY-DKK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE	-	-
ELECTRICITY-DKK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE	-	-

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ELECTRICITY-DKK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE	-	-
ELECTRICITY-ENERGY (ON-PEAK)-MEGAWATT DAILY	ELECTRICITY-ENERGY (ON-P	-	-
ELECTRICITY-ENERGY OFF-PEAK-ICE	ELECTRICITY-ENERGY OFF-P	-	-
ELECTRICITY-ENERGY PEAK-ICE	ELECTRICITY-ENERGY PEAK-	-	-
ELECTRICITY-ERCOT-AUSTIN ENERGY LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-AUSTIN	-	-
ELECTRICITY-ERCOT-AUSTIN ENERGY LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-AUSTIN	-	-
ELECTRICITY-ERCOT-BUS AVERAGE 345KV HUB-DAY AHEAD	ELECTRICITY-ERCOT-BUS AVE	-	-
ELECTRICITY-ERCOT-BUS AVERAGE 345KV HUB-REAL TIME	ELECTRICITY-ERCOT-BUS AVE	-	-
ELECTRICITY-ERCOT-CAPACITY NON-SPINNING-DAY AHEAD	ELECTRICITY-ERCOT-CAPACIT	-	-
ELECTRICITY-ERCOT-CPS LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-CPS LOA	-	-
ELECTRICITY-ERCOT-CPS LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-CPS LOA	-	-
ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME	ELECTRICITY-ERCOT-HOUSTON	-	-
ELECTRICITY-ERCOT-HOUSTON LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-HOUSTON	-	-
ELECTRICITY-ERCOT-HOUSTON LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-HOUSTON	-	-
ELECTRICITY-ERCOT-HOUSTON OFF-PEAK-ICE	ELECTRICITY-ERCOT-HOUSTON	-	-
ELECTRICITY-ERCOT-HOUSTON PEAK-ICE	ELECTRICITY-ERCOT-HOUSTON	-	-
ELECTRICITY-ERCOT-HUB AVERAGE 345KV-DAY AHEAD	ELECTRICITY-ERCOT-HUB AVE	-	-
ELECTRICITY-ERCOT-HUB AVERAGE 345KV-REAL TIME	ELECTRICITY-ERCOT-HUB AVE	-	-
ELECTRICITY-ERCOT-LCRA LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-LCRA LO	-	-
ELECTRICITY-ERCOT-LCRA LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-LCRA LO	-	-
ELECTRICITY-ERCOT-NODAL: CPSES UNIT I-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-
ELECTRICITY-ERCOT-NODAL: MLSES UNIT I-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-
ELECTRICITY-ERCOT-NODAL: OGSSES UNIT I-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-

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ELECTRICITY-ERCOT-NODAL: SD5SES UNIT 5-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-
ELECTRICITY-ERCOT-NODAL: TRSES UNIT 6-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-
ELECTRICITY-ERCOT-NODAL: WAP WAP G8-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:	-	-
ELECTRICITY-ERCOT-NORTH 345KV HUB-REAL TIME	ELECTRICITY-ERCOT-NORTH 3	-	-
ELECTRICITY-ERCOT-NORTH LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-NORTH L	-	-
ELECTRICITY-ERCOT-NORTH LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-NORTH L	-	-
ELECTRICITY-ERCOT-NORTH OFF-PEAK-ICE	ELECTRICITY-ERCOT-NORTH O	-	-
ELECTRICITY-ERCOT-NORTH PEAK-ICE	ELECTRICITY-ERCOT-NORTH P	-	-
ELECTRICITY-ERCOT-RAYBURN LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-RAYBURN	-	-
ELECTRICITY-ERCOT-RAYBURN LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-RAYBURN	-	-
ELECTRICITY-ERCOT-REGULATION SERVICE DOWN- ANCILLARY SERVICES MCP	ELECTRICITY-ERCOT-REGULAT	-	-
ELECTRICITY-ERCOT-REGULATION SERVICE UP-ANCILLARY SERVICES MCP	ELECTRICITY-ERCOT-REGULAT	-	-
ELECTRICITY-ERCOT-RESPONSIVE RESERVE-ANCILLARY SERVICES MCP	ELECTRICITY-ERCOT-RESPONS	-	-
ELECTRICITY-ERCOT-SOUTH 345KV HUB-REAL TIME	ELECTRICITY-ERCOT-SOUTH 3	-	-
ELECTRICITY-ERCOT-SOUTH LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-SOUTH L	-	-
ELECTRICITY-ERCOT-SOUTH LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-SOUTH L	-	-
ELECTRICITY-ERCOT-SOUTH OFF-PEAK-ICE	ELECTRICITY-ERCOT-SOUTH O	-	-
ELECTRICITY-ERCOT-SOUTH PEAK-ICE	ELECTRICITY-ERCOT-SOUTH P	-	-
ELECTRICITY-ERCOT-WEST 345KV HUB-REAL TIME	ELECTRICITY-ERCOT-WEST 34	-	-
ELECTRICITY-ERCOT-WEST LOAD ZONE-DAY AHEAD	ELECTRICITY-ERCOT-WEST LO	-	-
ELECTRICITY-ERCOT-WEST LOAD ZONE-REAL TIME	ELECTRICITY-ERCOT-WEST LO	-	-
ELECTRICITY-ERCOT-WEST OFF-PEAK-ICE	ELECTRICITY-ERCOT-WEST OF	-	-
ELECTRICITY-ERCOT-WEST PEAK-ICE	ELECTRICITY-ERCOT-WEST PE	-	-

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ELECTRICITY-EUR-ELSPOT NO1 (OSL)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT N	-	-
ELECTRICITY-EUR-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT (S	-	-
ELECTRICITY-EUR-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT DK	-	-
ELECTRICITY-EUR-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT DK	-	-
ELECTRICITY-EUR-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT FI	-	-
ELECTRICITY-EUR-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO	-	-
ELECTRICITY-EUR-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO	-	-
ELECTRICITY-EUR-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO	-	-
ELECTRICITY-EUR-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO	-	-
ELECTRICITY-EUR-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE	-	-
ELECTRICITY-EUR-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE	-	-
ELECTRICITY-EUR-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE	-	-
ELECTRICITY-EUR-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE	-	-
ELECTRICITY-FOUR CORNERS OFF-PEAK-ICE	ELECTRICITY-FOUR CORNERS	-	-
ELECTRICITY-FOUR CORNERS PEAK-ICE	ELECTRICITY-FOUR CORNERS	-	-
ELECTRICITY-FOURCORNERS FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS F	-	-
ELECTRICITY-FOURCORNERS FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS F	-	-
ELECTRICITY-FOURCORNERS NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS N	-	-
ELECTRICITY-HOURLY BLOCK AFTERNOON-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK BUSINESS-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK EVENING-EEX	ELECTRICITY-HOURLY BLOCK	-	-

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ELECTRICITY-HOURLY BLOCK HIGH NOON-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK MORNING-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK NIGHT-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK OFF PEAK I-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK OFF PEAK II-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-HOURLY BLOCK RUSH HOUR-EEX	ELECTRICITY-HOURLY BLOCK	-	-
ELECTRICITY-IESO-HOURLY ONTARIO ENERGY PRICE	ELECTRICITY-IESO-HOURLY O	-	-
ELECTRICITY-ISO NEW ENGLAND-CONNECTICUT-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-CONNECTICUT-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-HYDRO QUEBEC PHASE I/PHASE2-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-MAINE-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-MASS HUB-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-MASS HUB-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-NE MASS BOSTON-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-NE MASS BOSTON-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-NEW HAMPSHIRE-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-NEW HAMPSHIRE-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-RHODE ISLAND-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-RHODE ISLAND-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-SE MASS BOSTON-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-SE MASS-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-

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ELECTRICITY-ISO NEW ENGLAND-SE MASS-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-WC MASS-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-ISO NEW ENGLAND-WC MASS-REAL TIME	ELECTRICITY-ISO NEW ENGLA	-	-
ELECTRICITY-JM-EDGEMOOR HAYRD4-REAL TIME	ELECTRICITY-JM-EDGEMOOR H	-	-
ELECTRICITY-JOJOBBA PEAK-ICE	ELECTRICITY-JOJOBBA PEAK-I	-	-
ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WEEKEND (07.30-09.00)	ELECTRICITY-LEBA UK POWER	-	-
ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WINDOW (07.30-09.00)	ELECTRICITY-LEBA UK POWER	-	-
ELECTRICITY-LEBA UK POWER INDEX-MONDAY-FRIDAY PEAK BLOCKS 3&4&5 (07.30-09.00)	ELECTRICITY-LEBA UK POWER	-	-
ELECTRICITY-LEBA UK POWER INDEX-WORKING DAYS (07.30-17.00)	ELECTRICITY-LEBA UK POWER	-	-
ELECTRICITY-MEAD OFF-PEAK-ICE	ELECTRICITY-MEAD OFF-PEAK	-	-
ELECTRICITY-MEAD PEAK-ICE	ELECTRICITY-MEAD PEAK-ICE	-	-
ELECTRICITY-MEAD/MARKETPLACE FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL	-	-
ELECTRICITY-MEAD/MARKETPLACE FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL	-	-
ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (OFF-PEAK)- DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL	-	-
ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (ON-PEAK)- DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL	-	-
ELECTRICITY-MID C OFF-PEAK-ICE	ELECTRICITY-MID C OFF-PEA	-	-
ELECTRICITY-MID C PEAK-ICE	ELECTRICITY-MID C PEAK-IC	-	-
ELECTRICITY-MID-COLUMBIA FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA	-	-
ELECTRICITY-MID-COLUMBIA FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA	-	-
ELECTRICITY-MID-COLUMBIA NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA	-	-

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ELECTRICITY-MID-COLUMBIA NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA	-	-
ELECTRICITY-MISO-ALTW.FPL_DAEC-DAY AHEAD	ELECTRICITY-MISO-ALTW.FPL	-	-
ELECTRICITY-MISO-ALTW.FPL_DAEC-REAL TIME	ELECTRICITY-MISO-ALTW.FPL	-	-
ELECTRICITY-MISO-ALTW.PIONPRAR2-DAY AHEAD	ELECTRICITY-MISO-ALTW.PIO	-	-
ELECTRICITY-MISO-ALTW.PIONPRAR2-REAL TIME	ELECTRICITY-MISO-ALTW.PIO	-	-
ELECTRICITY-MISO-AMIL.BGS6-DAY AHEAD	ELECTRICITY-MISO-AMIL.BGS	-	-
ELECTRICITY-MISO-AMIL.BGS6-REAL TIME	ELECTRICITY-MISO-AMIL.BGS	-	-
ELECTRICITY-MISO-AMIL.BGS9-DAY AHEAD	ELECTRICITY-MISO-AMIL.BGS	-	-
ELECTRICITY-MISO-AMIL.BGS9-REAL TIME	ELECTRICITY-MISO-AMIL.BGS	-	-
ELECTRICITY-MISO-AMIL.CIPS-DAY AHEAD	ELECTRICITY-MISO-AMIL.CIP	-	-
ELECTRICITY-MISO-AMIL.CIPS-REAL TIME	ELECTRICITY-MISO-AMIL.CIP	-	-
ELECTRICITY-MISO-AMIL.SESKEYSTN-DAY AHEAD	ELECTRICITY-MISO-AMIL.SES	-	-
ELECTRICITY-MISO-AMIL.SESKEYSTN-REAL TIME	ELECTRICITY-MISO-AMIL.SES	-	-
ELECTRICITY-MISO-AMILSES-DAY AHEAD	ELECTRICITY-MISO-AMILSES-	-	-
ELECTRICITY-MISO-AMILSES-REAL TIME	ELECTRICITY-MISO-AMILSES-	-	-
ELECTRICITY-MISO-AMMO.UE-DAY AHEAD	ELECTRICITY-MISO-AMMO.UE-	-	-
ELECTRICITY-MISO-AMMO.UE-REAL TIME	ELECTRICITY-MISO-AMMO.UE-	-	-
ELECTRICITY-MISO-CIN.SESDUKE-DAY AHEAD	ELECTRICITY-MISO-CIN.SESD	-	-
ELECTRICITY-MISO-CIN.SESDUKE-REAL TIME	ELECTRICITY-MISO-CIN.SESD	-	-
ELECTRICITY-MISO-CINERGY HUB-DAY AHEAD	ELECTRICITY-MISO-CINERGY	-	-
ELECTRICITY-MISO-CINERGY HUB-REAL TIME	ELECTRICITY-MISO-CINERGY	-	-
ELECTRICITY-MISO-CONS.SESB-DAY AHEAD	ELECTRICITY-MISO-CONS.SES	-	-
ELECTRICITY-MISO-CONS.SESB-REAL TIME	ELECTRICITY-MISO-CONS.SES	-	-
ELECTRICITY-MISO-DECO.SESA-DAY AHEAD	ELECTRICITY-MISO-DECO.SES	-	-

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ELECTRICITY-MISO-DECO.SESA-REAL TIME	ELECTRICITY-MISO-DECO.SES	-	-
ELECTRICITY-MISO-EEI-DAY AHEAD	ELECTRICITY-MISO-EEI-DAY	-	-
ELECTRICITY-MISO-EEI-REAL TIME	ELECTRICITY-MISO-EEI-REAL	-	-
ELECTRICITY-MISO-EES-DAY AHEAD	ELECTRICITY-MISO-EES-DAY	-	-
ELECTRICITY-MISO-EES-REAL TIME	ELECTRICITY-MISO-EES-REAL	-	-
ELECTRICITY-MISO-FE.FESR-DAY AHEAD	ELECTRICITY-MISO-FE.FESR-	-	-
ELECTRICITY-MISO-FE.FESR-REAL TIME	ELECTRICITY-MISO-FE.FESR-	-	-
ELECTRICITY-MISO-FES.SES-DAY AHEAD	ELECTRICITY-MISO-FES.SES-	-	-
ELECTRICITY-MISO-FES.SES-REAL TIME	ELECTRICITY-MISO-FES.SES-	-	-
ELECTRICITY-MISO-ILLINOIS HUB-DAY AHEAD	ELECTRICITY-MISO-ILLINOIS	-	-
ELECTRICITY-MISO-ILLINOIS HUB-REAL TIME	ELECTRICITY-MISO-ILLINOIS	-	-
ELECTRICITY-MISO-INDIANA HUB-DAY AHEAD	ELECTRICITY-MISO-INDIANA	-	-
ELECTRICITY-MISO-INDIANA HUB-REAL TIME	ELECTRICITY-MISO-INDIANA	-	-
ELECTRICITY-MISO-LAGN-DAY AHEAD	ELECTRICITY-MISO-LAGN-DAY	-	-
ELECTRICITY-MISO-LAGN-REAL TIME	ELECTRICITY-MISO-LAGN-REA	-	-
ELECTRICITY-MISO-MEC.MECB-DAY AHEAD	ELECTRICITY-MISO-MEC.MECB	-	-
ELECTRICITY-MISO-MEC.MECB-REAL TIME	ELECTRICITY-MISO-MEC.MECB	-	-
ELECTRICITY-MISO-MICHIGAN HUB-DAY AHEAD	ELECTRICITY-MISO-MICHIGAN	-	-
ELECTRICITY-MISO-MICHIGAN HUB-REAL TIME	ELECTRICITY-MISO-MICHIGAN	-	-
ELECTRICITY-MISO-MINNESOTA HUB-DAY AHEAD	ELECTRICITY-MISO-MINNESOT	-	-
ELECTRICITY-MISO-MINNESOTA HUB-REAL TIME	ELECTRICITY-MISO-MINNESOT	-	-
ELECTRICITY-MISO-MPW.MPW HUB-REAL TIME	ELECTRICITY-MISO-MPW.MPW	-	-
ELECTRICITY-MISO-MPW.MPW-DAY AHEAD	ELECTRICITY-MISO-MPW.MPW-	-	-
ELECTRICITY-MONA OFF-PEAK-ICE	ELECTRICITY-MONA OFF-PEAK	-	-
ELECTRICITY-MONA PEAK-ICE	ELECTRICITY-MONA PEAK-ICE	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY-MONTH FUTURES BASE-EEX	ELECTRICITY-MONTH FUTURES	-	-
ELECTRICITY-MONTH FUTURES PEAK-EEX	ELECTRICITY-MONTH FUTURES	-	-
ELECTRICITY-MONTHLY PHELIX BASE SPOT-EEX	ELECTRICITY-MONTHLY PHELI	-	-
ELECTRICITY-MONTHLY PHELIX PEAK SPOT-EEX	ELECTRICITY-MONTHLY PHELI	-	-
ELECTRICITY-N ILLINOIS OFF-PEAK-ICE	ELECTRICITY-N ILLINOIS OF	-	-
ELECTRICITY-N ILLINOIS PEAK-ICE	ELECTRICITY-N ILLINOIS PE	-	-
ELECTRICITY-N ILLINOIS REAL TIME OFF-PEAK-ICE	ELECTRICITY-N ILLINOIS RE	-	-
ELECTRICITY-N ILLINOIS REAL TIME PEAK-ICE	ELECTRICITY-N ILLINOIS RE	-	-
ELECTRICITY-NEPOOL MH DA LMP OFF-PEAK-ICE	ELECTRICITY-NEPOOL MH DA	-	-
ELECTRICITY-NEPOOL MH DA LMP PEAK-ICE	ELECTRICITY-NEPOOL MH DA	-	-
ELECTRICITY-NOB OFF-PEAK-ICE	ELECTRICITY-NOB OFF-PEAK-	-	-
ELECTRICITY-NOB PEAK-ICE	ELECTRICITY-NOB PEAK-ICE	-	-
ELECTRICITY-NOK-ELSPOT (SYSTEM PRICE)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT (S	-	-
ELECTRICITY-NOK-ELSPOT DK1 (ARH)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT DK	-	-
ELECTRICITY-NOK-ELSPOT DK2 (CPH)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT DK	-	-
ELECTRICITY-NOK-ELSPOT FINLAND (HEL)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT FI	-	-
ELECTRICITY-NOK-ELSPOT NO1 (OSL)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO	-	-
ELECTRICITY-NOK-ELSPOT NO2 (KRI)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO	-	-
ELECTRICITY-NOK-ELSPOT NO3 (TRON)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO	-	-
ELECTRICITY-NOK-ELSPOT NO4 (TROM)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO	-	-
ELECTRICITY-NOK-ELSPOT NO5 (BER)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY-NOK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE	-	-
ELECTRICITY-NOK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE	-	-
ELECTRICITY-NOK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE	-	-
ELECTRICITY-NOK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE	-	-
ELECTRICITY-NP-15 DAY AHEAD OFF-PEAK-ICE	ELECTRICITY-NP-15 DAY AHE	-	-
ELECTRICITY-NP-15 DAY AHEAD PEAK-ICE	ELECTRICITY-NP-15 DAY AHE	-	-
ELECTRICITY-NP-15 FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-NP-15 FIRM (O	-	-
ELECTRICITY-NP-15 FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-NP-15 FIRM (O	-	-
ELECTRICITY-NP-15 OFF-PEAK-ICE	ELECTRICITY-NP-15 OFF-PEA	-	-
ELECTRICITY-NP-15 PEAK-ICE	ELECTRICITY-NP-15 PEAK-IC	-	-
ELECTRICITY-NYISO A PEAK-ICE	ELECTRICITY-NYISO A PEAK-	-	-
ELECTRICITY-NYISO-ZONE A (WEST)-DAY AHEAD	ELECTRICITY-NYISO-ZONE A	-	-
ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME	ELECTRICITY-NYISO-ZONE A	-	-
ELECTRICITY-NYISO-ZONE B-DAY AHEAD	ELECTRICITY-NYISO-ZONE B-	-	-
ELECTRICITY-NYISO-ZONE B-REAL TIME	ELECTRICITY-NYISO-ZONE B-	-	-
ELECTRICITY-NYISO-ZONE C-DAY AHEAD	ELECTRICITY-NYISO-ZONE C-	-	-
ELECTRICITY-NYISO-ZONE C-REAL TIME	ELECTRICITY-NYISO-ZONE C-	-	-
ELECTRICITY-NYISO-ZONE D-DAY AHEAD	ELECTRICITY-NYISO-ZONE D-	-	-
ELECTRICITY-NYISO-ZONE D-REAL TIME	ELECTRICITY-NYISO-ZONE D-	-	-
ELECTRICITY-NYISO-ZONE E-DAY AHEAD	ELECTRICITY-NYISO-ZONE E-	-	-
ELECTRICITY-NYISO-ZONE E-REAL TIME	ELECTRICITY-NYISO-ZONE E-	-	-
ELECTRICITY-NYISO-ZONE F (CAPITL)-DAY AHEAD	ELECTRICITY-NYISO-ZONE F	-	-
ELECTRICITY-NYISO-ZONE F-REAL TIME	ELECTRICITY-NYISO-ZONE F-	-	-
ELECTRICITY-NYISO-ZONE G (HUD VL)-DAY AHEAD	ELECTRICITY-NYISO-ZONE G	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY-NYISO-ZONE G (HUD VL)-REAL TIME	ELECTRICITY-NYISO-ZONE G	-	-
ELECTRICITY-NYISO-ZONE H-DAY AHEAD	ELECTRICITY-NYISO-ZONE H-	-	-
ELECTRICITY-NYISO-ZONE H-REAL TIME	ELECTRICITY-NYISO-ZONE H-	-	-
ELECTRICITY-NYISO-ZONE I-DAY AHEAD	ELECTRICITY-NYISO-ZONE I-	-	-
ELECTRICITY-NYISO-ZONE I-REAL TIME	ELECTRICITY-NYISO-ZONE I-	-	-
ELECTRICITY-NYISO-ZONE J (N.Y.C.)-DAY AHEAD	ELECTRICITY-NYISO-ZONE J	-	-
ELECTRICITY-NYISO-ZONE J (N.Y.C.)-REAL TIME	ELECTRICITY-NYISO-ZONE J	-	-
ELECTRICITY-PALO VERDE FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE FI	-	-
ELECTRICITY-PALO VERDE FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE FI	-	-
ELECTRICITY-PALO VERDE NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE NO	-	-
ELECTRICITY-PALO VERDE NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE NO	-	-
ELECTRICITY-PALO VERDE OFF-PEAK-ICE	ELECTRICITY-PALO VERDE OF	-	-
ELECTRICITY-PALO VERDE PEAK-ICE	ELECTRICITY-PALO VERDE PE	-	-
ELECTRICITY-PINNACLE OFF-PEAK-ICE	ELECTRICITY-PINNACLE OFF-	-	-
ELECTRICITY-PINNACLE PEAK-ICE	ELECTRICITY-PINNACLE PEAK	-	-
ELECTRICITY-PJM FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PJM FIRM (ON-	-	-
ELECTRICITY-PJM-AECO-DAY AHEAD	ELECTRICITY-PJM-AECO-DAY	-	-
ELECTRICITY-PJM-AECO-REAL TIME	ELECTRICITY-PJM-AECO-REAL	-	-
ELECTRICITY-PJM-AEP DAYTON HUB-DAY AHEAD	ELECTRICITY-PJM-AEP DAYTO	-	-
ELECTRICITY-PJM-AEP DAYTON HUB-REAL TIME	ELECTRICITY-PJM-AEP DAYTO	-	-
ELECTRICITY-PJM-AEP-DAY AHEAD	ELECTRICITY-PJM-AEP-DAY A	-	-
ELECTRICITY-PJM-AEP-REAL TIME	ELECTRICITY-PJM-AEP-REAL	-	-
ELECTRICITY-PJM-AGGREGATE FE OHIO-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE	-	-

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ELECTRICITY-PJM-AGGREGATE FE OHIO-REAL TIME	ELECTRICITY-PJM-AGGREGATE	-	-
ELECTRICITY-PJM-AGGREGATE PEPCO DC-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE	-	-
ELECTRICITY-PJM-AGGREGATE PEPCO DC-REAL TIME	ELECTRICITY-PJM-AGGREGATE	-	-
ELECTRICITY-PJM-AGGREGATE PEPCO MD-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE	-	-
ELECTRICITY-PJM-AGGREGATE PEPCO MD-REAL TIME	ELECTRICITY-PJM-AGGREGATE	-	-
ELECTRICITY-PJM-APS-DAY AHEAD	ELECTRICITY-PJM-APS-DAY A	-	-
ELECTRICITY-PJM-APS-REAL TIME	ELECTRICITY-PJM-APS-REAL	-	-
ELECTRICITY-PJM-ATSI-DAY AHEAD	ELECTRICITY-PJM-ATSI-DAY	-	-
ELECTRICITY-PJM-ATSI-REAL TIME	ELECTRICITY-PJM-ATSI-REAL	-	-
ELECTRICITY-PJM-BGE-DAY AHEAD	ELECTRICITY-PJM-BGE-DAY A	-	-
ELECTRICITY-PJM-BGE-REAL TIME	ELECTRICITY-PJM-BGE-REAL	-	-
ELECTRICITY-PJM-CHICAGO GEN HUB-DAY AHEAD	ELECTRICITY-PJM-CHICAGO G	-	-
ELECTRICITY-PJM-CHICAGO GEN HUB-REAL TIME	ELECTRICITY-PJM-CHICAGO G	-	-
ELECTRICITY-PJM-COMED-DAY AHEAD	ELECTRICITY-PJM-COMED-DAY	-	-
ELECTRICITY-PJM-COMED-REAL TIME	ELECTRICITY-PJM-COMED-REA	-	-
ELECTRICITY-PJM-DAY-DAY AHEAD	ELECTRICITY-PJM-DAY-DAY A	-	-
ELECTRICITY-PJM-DAY-REAL TIME	ELECTRICITY-PJM-DAY-REAL	-	-
ELECTRICITY-PJM-DEOK-DAY AHEAD	ELECTRICITY-PJM-DEOK-DAY	-	-
ELECTRICITY-PJM-DEOK-REAL TIME	ELECTRICITY-PJM-DEOK-REAL	-	-
ELECTRICITY-PJM-DOM ZONE-DAY AHEAD	ELECTRICITY-PJM-DOM ZONE-	-	-
ELECTRICITY-PJM-DOM ZONE-REAL TIME	ELECTRICITY-PJM-DOM ZONE-	-	-
ELECTRICITY-PJM-DOMINION HUB-DAY AHEAD	ELECTRICITY-PJM-DOMINION	-	-
ELECTRICITY-PJM-DOMINION HUB-REAL TIME	ELECTRICITY-PJM-DOMINION	-	-
ELECTRICITY-PJM-DPL-DAY AHEAD	ELECTRICITY-PJM-DPL-DAY A	-	-
ELECTRICITY-PJM-DPL-REAL TIME	ELECTRICITY-PJM-DPL-REAL	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ELECTRICITY-PJM-DUQ-DAY AHEAD	ELECTRICITY-PJM-DUQ-DAY A	-	-
ELECTRICITY-PJM-DUQ-REAL TIME	ELECTRICITY-PJM-DUQ-REAL	-	-
ELECTRICITY-PJM-EASTERN HUB-DAY AHEAD	ELECTRICITY-PJM-EASTERN H	-	-
ELECTRICITY-PJM-EASTERN HUB-REAL TIME	ELECTRICITY-PJM-EASTERN H	-	-
ELECTRICITY-PJM-EDGEMOOR HAYRD4-DAY AHEAD	ELECTRICITY-PJM-EDGEMOOR	-	-
ELECTRICITY-PJM-EDGEMOOR HAYRD8-DAY AHEAD	ELECTRICITY-PJM-EDGEMOOR	-	-
ELECTRICITY-PJM-EDGEMOOR HAYRD8-REAL TIME	ELECTRICITY-PJM-EDGEMOOR	-	-
ELECTRICITY-PJM-INTERFACE SOUTHEAST-DAY AHEAD	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE SOUTHEAST-REAL TIME	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE SOUTHIMP-DAY AHEAD	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE SOUTHIMP-REAL TIME	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE SOUTHWEST-DAY AHEAD	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE SOUTHWEST-REAL TIME	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-INTERFACE	ELECTRICITY-PJM-INTERFACE	-	-
ELECTRICITY-PJM-JCPL-DAY AHEAD	ELECTRICITY-PJM-JCPL-DAY	-	-
ELECTRICITY-PJM-JCPL-REAL TIME	ELECTRICITY-PJM-JCPL-REAL	-	-
ELECTRICITY-PJM-METED-DAY AHEAD	ELECTRICITY-PJM-METED-DAY	-	-
ELECTRICITY-PJM-METED-REAL TIME	ELECTRICITY-PJM-METED-REA	-	-
ELECTRICITY-PJM-NEW JERSEY HUB-DAY AHEAD	ELECTRICITY-PJM-NEW JERSE	-	-
ELECTRICITY-PJM-NEW JERSEY HUB-REAL TIME	ELECTRICITY-PJM-NEW JERSE	-	-
ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-DAY AHEAD	ELECTRICITY-PJM-NORTHERN	-	-
ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-REAL TIME	ELECTRICITY-PJM-NORTHERN	-	-
ELECTRICITY-PJM-OHIO HUB-DAY AHEAD	ELECTRICITY-PJM-OHIO HUB-	-	-
ELECTRICITY-PJM-OHIO HUB-REAL TIME	ELECTRICITY-PJM-OHIO HUB-	-	-
ELECTRICITY-PJM-PECO-DAY AHEAD	ELECTRICITY-PJM-PECO-DAY	-	-

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ELECTRICITY-PJM-PECO-REAL TIME	ELECTRICITY-PJM-PECO-REAL	-	-
ELECTRICITY-PJM-PENELEC-DAY AHEAD	ELECTRICITY-PJM-PENELEC-D	-	-
ELECTRICITY-PJM-PENELEC-REAL TIME	ELECTRICITY-PJM-PENELEC-R	-	-
ELECTRICITY-PJM-PEPCO-DAY AHEAD	ELECTRICITY-PJM-PEPCO-DAY	-	-
ELECTRICITY-PJM-PEPCO-REAL TIME	ELECTRICITY-PJM-PEPCO-REA	-	-
ELECTRICITY-PJM-PPL-DAY AHEAD	ELECTRICITY-PJM-PPL-DAY A	-	-
ELECTRICITY-PJM-PPL-REAL TIME	ELECTRICITY-PJM-PPL-REAL	-	-
ELECTRICITY-PJM-PSEG-DAY AHEAD	ELECTRICITY-PJM-PSEG-DAY	-	-
ELECTRICITY-PJM-PSEG-REAL TIME	ELECTRICITY-PJM-PSEG-REAL	-	-
ELECTRICITY-PJM-RECO-DAY AHEAD	ELECTRICITY-PJM-RECO-DAY	-	-
ELECTRICITY-PJM-RECO-REAL TIME	ELECTRICITY-PJM-RECO-REAL	-	-
ELECTRICITY-PJM-STEELCTY BETH 4CC-DAY AHEAD	ELECTRICITY-PJM-STEELCTY	-	-
ELECTRICITY-PJM-STEELCTY BETH 4CC-REAL TIME	ELECTRICITY-PJM-STEELCTY	-	-
ELECTRICITY-PJM-STEELCTY BETH 8CC-DAY AHEAD	ELECTRICITY-PJM-STEELCTY	-	-
ELECTRICITY-PJM-STEELCTY BETH 8CC-REAL TIME	ELECTRICITY-PJM-STEELCTY	-	-
ELECTRICITY-PJM-WEST INTERFACE HUB-DAY AHEAD	ELECTRICITY-PJM-WEST INTE	-	-
ELECTRICITY-PJM-WEST INTERFACE HUB-REAL TIME	ELECTRICITY-PJM-WEST INTE	-	-
ELECTRICITY-PJM-WEST OFF-PEAK-ICE	ELECTRICITY-PJM-WEST OFF-	-	-
ELECTRICITY-PJM-WEST PEAK-ICE	ELECTRICITY-PJM-WEST PEAK	-	-
ELECTRICITY-PJM-WEST REAL TIME OFF-PEAK-ICE	ELECTRICITY-PJM-WEST REAL	-	-
ELECTRICITY-PJM-WEST REAL TIME PEAK-ICE	ELECTRICITY-PJM-WEST REAL	-	-
ELECTRICITY-PJM-WESTPEAK-ICE	ELECTRICITY-PJM-WESTPEAK-	-	-
ELECTRICITY-PORTUGUESE POWER INDEX-HOURLY- OMIE	ELECTRICITY-PORTUGUESE PO	-	-
ELECTRICITY-POWER INDEX-HOURLY-APX	ELECTRICITY-POWER INDEX-H	-	-
ELECTRICITY-POWER INDEX-HOURLY-EEX	ELECTRICITY-POWER INDEX-H	-	-

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ELECTRICITY-POWER INDEX-HOURLY-OMIE	ELECTRICITY-POWER INDEX-H	-	-
ELECTRICITY-PREZZO UNICO NAZIONALE-HOURLY-GME	ELECTRICITY-PREZZO UNICO	-	-
ELECTRICITY-QUARTER FUTURES BASE-EEX	ELECTRICITY-QUARTER FUTUR	-	-
ELECTRICITY-QUARTER FUTURES PEAK-EEX	ELECTRICITY-QUARTER FUTUR	-	-
ELECTRICITY-SEK- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL	ELECTRICITY-SEK- ELSPOT N	-	-
ELECTRICITY-SEK-ELSPOT (SYSTEM PRICE)-HOURLY- NORDPOOL	ELECTRICITY-SEK-ELSPOT (S	-	-
ELECTRICITY-SEK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT DK	-	-
ELECTRICITY-SEK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT DK	-	-
ELECTRICITY-SEK-ELSPOT FINLAND (HEL)-HOURLY- NORDPOOL	ELECTRICITY-SEK-ELSPOT FI	-	-
ELECTRICITY-SEK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO	-	-
ELECTRICITY-SEK-ELSPOT NO3 (TRON)-HOURLY- NORDPOOL	ELECTRICITY-SEK-ELSPOT NO	-	-
ELECTRICITY-SEK-ELSPOT NO4 (TROM)-HOURLY- NORDPOOL	ELECTRICITY-SEK-ELSPOT NO	-	-
ELECTRICITY-SEK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO	-	-
ELECTRICITY-SEK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE	-	-
ELECTRICITY-SEK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE	-	-
ELECTRICITY-SEK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE	-	-
ELECTRICITY-SEK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE	-	-
ELECTRICITY-SOCO PEAK-ICE	ELECTRICITY-SOCO PEAK-ICE	-	-
ELECTRICITY-SP-15 DAY AHEAD OFF-PEAK-ICE	ELECTRICITY-SP-15 DAY AHE	-	-
ELECTRICITY-SP-15 DAY AHEAD PEAK-ICE	ELECTRICITY-SP-15 DAY AHE	-	-
ELECTRICITY-SP-15 FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-SP-15 FIRM (O	-	-
ELECTRICITY-SP-15 FIRM (ON-PEAK)-DOW JONES	ELECTRICITY-SP-15 FIRM (O	-	-
ELECTRICITY-SP-15 OFF-PEAK-ICE	ELECTRICITY-SP-15 OFF-PEA	-	-

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ELECTRICITY-SP-15 PEAK-ICE	ELECTRICITY-SP-15 PEAK-IC	-	-
ELECTRICITY-SWEP-DOW JONES POWER	ELECTRICITY-SWEP-DOW JONE	-	-
ELECTRICITY-SWISSIX DAY BASE-EEX	ELECTRICITY-SWISSIX DAY B	-	-
ELECTRICITY-UK BASE-ICE	ELECTRICITY-UK BASE-ICE	-	-
ELECTRICITY-UK PEAK-ICE	ELECTRICITY-UK PEAK-ICE	-	-
ELECTRICITY-WEST WING OFF-PEAK-ICE	ELECTRICITY-WEST WING OFF	-	-
ELECTRICITY-WEST WING PEAK-ICE	ELECTRICITY-WEST WING PEA	-	-
ELECTRICITY-YEAR FUTURES BASE-EEX	ELECTRICITY-YEAR FUTURES	-	-
ELECTRICITY-YEAR FUTURES PEAK-EEX	ELECTRICITY-YEAR FUTURES	-	-
EMISSIONS - BLUENEXT FUTURES CER	EMISSIONS - BLUENEXT FUTU	-	-
EMISSIONS - BLUENEXT FUTURES EUA	EMISSIONS - BLUENEXT FUTU	-	-
EMISSIONS - BLUENEXT SPOT CER	EMISSIONS - BLUENEXT SPOT	-	-
EMISSIONS - BLUENEXT SPOT ERU	EMISSIONS - BLUENEXT SPOT	-	-
EMISSIONS - BLUENEXT SPOT EUA	EMISSIONS - BLUENEXT SPOT	-	-
EMISSIONS - BLUENEXT SPOT GREEN CER	EMISSIONS - BLUENEXT SPOT	-	-
EMISSIONS - EU ETS-CER FORWARD-NASDAQ OMX	EMISSIONS - EU ETS-CER FO	-	-
EMISSIONS - EU ETS-CER FUTURES-NASDAQ OMX	EMISSIONS - EU ETS-CER FU	-	-
EMISSIONS - EU ETS-CER SPOT-NASDAQ OMX	EMISSIONS - EU ETS-CER SP	-	-
EMISSIONS - EU ETS-EUA FORWARD-NASDAQ OMX	EMISSIONS - EU ETS-EUA FO	-	-
EMISSIONS - EU ETS-EUA FUTURES-NASDAQ OMX	EMISSIONS - EU ETS-EUA FU	-	-
EMISSIONS - EU ETS-EUA SPOT-NASDAQ OMX	EMISSIONS - EU ETS-EUA SP	-	-
EMISSIONS - EU ETS-EUROPEAN CARBON FUTURES FORWARD-EEX	EMISSIONS - EU ETS-EUROPE	-	-
EMISSIONS - EU ETS-LEBA CARBON CER INDEX	EMISSIONS - EU ETS-LEBA C	-	-
EMISSIONS - EU ETS-LEBA CARBON EUA INDEX	EMISSIONS - EU ETS-LEBA C	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
EMISSIONS - EU ETS-LEBA SPOT CARBON CER INDEX	EMISSIONS - EU ETS-LEBA S	-	-
EMISSIONS - EU ETS-LEBA SPOT CARBON EUA INDEX	EMISSIONS - EU ETS-LEBA S	-	-
EMISSIONS - EU ETS-PWX CARBON SPOT-POWERNEXT	EMISSIONS - EU ETS-PWX CA	-	-
EMISSIONS - EU ETS-SPOT-EEX	EMISSIONS - EU ETS-SPOT-E	-	-
EMISSIONS - EU ETS-SPOT-EXAA	EMISSIONS - EU ETS-SPOT-E	-	-
EMISSIONS - ICE ECX CER DAILY FUTURES	EMISSIONS - ICE ECX CER D	-	-
EMISSIONS - ICE ECX CER Futures Options	EMISSIONS - ICE ECX CER F	-	-
EMISSIONS - ICE ECX CER FUTURES	EMISSIONS - ICE ECX CER F	-	-
EMISSIONS - ICE ECX EUA Futures Options	EMISSIONS - ICE ECX EUA F	-	-
EMISSIONS - ICE-ECX EUA Daily Futures	EMISSIONS - ICE-ECX EUA D	-	-
EMISSIONS - ICE-ECX EUA FUTURES	EMISSIONS - ICE-ECX EUA F	-	-
ENER-BIODIESEL-RED FAME-0 DEGREES CELSIUS CFPP-FOB-ARA-ARGUS	ENER-BIODIESEL-RED FAME-0	-	-
ENER-BIODIESEL-RED RAPESEED OME-FOB-ARA-ARGUS	ENER-BIODIESEL-RED RAPESE	-	-
ENER-BIODIESEL-RIN-ARGUS	ENER-BIODIESEL-RIN-ARGUS	-	-
ENER-BIODIESEL-SME-BI00-FOB-HOUSTON-ARGUS	ENER-BIODIESEL-SME-BI00-F	-	-
ENER-BIOFUEL-ADVANCED-RIN-ARGUS	ENER-BIOFUEL-ADVANCED-RIN	-	-
ENER-ETHANOL-BM&F	ENER-ETHANOL-BM&F	-	-
ENER-ETHANOL-CHICAGO PIPE-PLATTS	ENER-ETHANOL-CHICAGO PIPE	-	-
ENER-ETHANOL-CHICAGO-CBOT	ENER-ETHANOL-CHICAGO-CBOT	-	-
ENER-ETHANOL-CME	ENER-ETHANOL-CME	-	-
ENER-ETHANOL-NYH BARGE-MO01-PLATTS	ENER-ETHANOL-NYH BARGE-MO	-	-
ENER-ETHANOL-RIN-ARGUS	ENER-ETHANOL-RIN-ARGUS	-	-
ETHANOL T1 FOB ROTTERDAM-ARGUS BIOFUELS	ETHANOL T1 FOB ROTTERDAM-	-	-
ETHANOL T2 FOB ROTTERDAM-ARGUS BIOFUELS	ETHANOL T2 FOB ROTTERDAM-	-	-

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ETHANOL-BM&F	ETHANOL-BM&F	-	-
ETHANOL-CBOT	ETHANOL-CBOT	-	-
ETHANOL-CME	ETHANOL-CME	-	-
ETHANOL-ICE	ETHANOL-ICE	-	-
ETHANOL-PLATTS OILGRAM	ETHANOL-PLATTS OILGRAM	-	-
Ethylene CMAI	Ethylene CMAI	-	-
FEED BARLEY-ASX	FEED BARLEY-ASX	-	-
FEEDER CATTLE-CME	FEEDER CATTLE-CME	-	-
FINE WOOL (19 MICRON)-SFE	FINE WOOL (19 MICRON)-SFE	-	-
FOEX Northern Bleached Softwood Kraft Pulp PIX Index	FOEX Northern Bleached So	-	-
FOEX PIX Pulp US BHKP Price	FOEX PIX Pulp US BHKP Pri	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M1B or BALTIC S1B each	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M3 or BALTIC S3 each	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S2 or BALTIC S2 each	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S4A or BALTIC S4A each	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S4B or BALTIC S4B each	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX WEIGHTED INDEX AVERAGE ROUTES-CALCULATED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C10_03 or BALTIC C10_03 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C11_03 or BALTIC C11_03 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C2 or BALTIC C2 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C3 or BALTIC C3 each	FREIGHT-BALTIC EXCHANGE-C	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C4 or BALTIC C4 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C5 or BALTIC C5 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C7 or BALTIC C7 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C8_03 or BALTIC C8_03 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C9_03 or BALTIC C9_03 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX TIME CHARTER AVERAGE ROUTES-CALCULATED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC1 or BALTIC TC1 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC2_37 or BALTIC TC2_37 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC3_38 or BALTIC TC3_38 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC4 or BALTIC TC4 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC5 or BALTIC TC5 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC6 or BALTIC TC6 each	FREIGHT-BALTIC EXCHANGE-C	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD1 or BALTIC TD1 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD10 or BALTIC TD10 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD10D or BALTIC TD10D each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD11 or BALTIC TD11 each	FREIGHT-BALTIC EXCHANGE-D	-	-

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FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD12 or BALTIC TD12 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD2 or BALTIC TD2 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD3 or BALTIC TD3 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD4 or BALTIC TD4 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD5 or BALTIC TD5 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD6 or BALTIC TD6 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD7 or BALTIC TD7 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD8 or BALTIC TD8 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD9 or BALTIC TD9 each	FREIGHT-BALTIC EXCHANGE-D	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P1 or BALTIC P1 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE PIA_03 or BALTIC PIA_03 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P2 or BALTIC P2 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P2A_03 or BALTIC P2A_03 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P3 or BALTIC P3 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P3A_03 or BALTIC P3A_03 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P4_03 or BALTIC P4_03 each	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-P	-	-

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FREIGHT-BALTIC EXCHANGE-PANAMAX TIME CHARTER INDEX AVERAGE ROUTES-CALCULATED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-P	-	-
FREIGHT-BALTIC EXCHANGE-SUPRAMEX INDEX ROUTE MIA or BALTIC SIA each	FREIGHT-BALTIC EXCHANGE-S	-	-
FREIGHT-CAPE-SIZE-BOLIVAR-SSY	FREIGHT-CAPE-SIZE-BOLIVAR-	-	-
FREIGHT-CAPE-SIZE-RICHARDS BAY-SSY	FREIGHT-CAPE-SIZE-RICHARDS	-	-
FREIGHT-PANAMAX-BOLIVAR-SSY	FREIGHT-PANAMAX-BOLIVAR-S	-	-
FREIGHT-PANAMAX-INDONESIA-SSY	FREIGHT-PANAMAX-INDONESIA	-	-
FREIGHT-PANAMAX-RICHARDS BAY-SSY	FREIGHT-PANAMAX-RICHARDS	-	-
FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC1 (RAS TANURA-YOKOHAMA) or PLATTS TC1 (RT-YOK) each	FREIGHT-PLATTS CLEAN TANK	-	-
FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC2_37 (ROTTERDAM-NY) or PLATTS TC2_37 (RDM-NY) each	FREIGHT-PLATTS CLEAN TANK	-	-
FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC3_30 (ARUBA-NEW YORK) or PLATTS TC3_30 (ARU-NY) each	FREIGHT-PLATTS CLEAN TANK	-	-
FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC4 (SINGAPORE-CHIBA) or PLATTS TC4 (SING-CHI) each	FREIGHT-PLATTS CLEAN TANK	-	-
FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC5 (RAS TANURA-YOKOHAMA) or PLATTS TC5 (RT-YOK) each	FREIGHT-PLATTS CLEAN TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD1_270 (RAS TANURA-LOOP) or PLATTS TD1_270 (RT-LOOP) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD10 (ARUBA-NEW YORK) or PLATTS TD10 (ARU-NY) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD11 (BANIAS-LAVERA) or PLATTS TD11 (BAN-LAV) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD12 (ANTWERP-HOUSTON) or PLATTS TD12 (ARA-USG) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD14 (DUMAI-CHIBA) or PLATTS TD14 (DUM-CHI) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD2 (RAS TANURA-SINGAPORE) or PLATTS TD2 (RT-SING) each	FREIGHT-PLATTS DIRTY TANK	-	-

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FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD3_250 (RAS TANURA-CHIBA) or PLATTS TD3_250 (RT-CHI) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD4 (O.S BONNY-LOOP) or PLATTS TD4 (BSY-LOOP) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD5 (O.S BONNY-PHILADELPHIA) or PLATTS TD5 (BSY-PHIL) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD6 (NOVOROSSIYK-AUGUSTA) or PLATTS TD6 (X-MED) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD7 (SULLOM VOE-WILHELMSHAVEN or PLATTS TD7 (SV-WH) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD8 (MENA AL AHMADI-SINGAPORE) or PLATTS TD8 (MA-SP) each	FREIGHT-PLATTS DIRTY TANK	-	-
FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD9 (PUERTO LAS CRUZ-CORPUS CHRISTI) or PLATTS TD9 (PL-CC) each	FREIGHT-PLATTS DIRTY TANK	-	-
FROZEN CONCENTRATED ORANGE JUICE NO. 1-ICE	FROZEN CONCENTRATED ORANG	-	-
FUEL OIL - 180 CST SINGAPORE (CARGOES) - PLATTS ASIA PACIFIC	FUEL OIL - 180 CST SINGAP	-	-
FUEL OIL 380 CST - FOR ARAB GULF - PLATTS ASIA-PACIFIC	FUEL OIL 380 CST - FOR AR	-	-
FUEL OIL SCHWERES HEIZOEL-1 PERCENT HSL RHEINSCHIENE	FUEL OIL SCHWERES HEIZOEL	-	-
FUEL OIL-I PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-I PERCENT-BARGES	-	-
FUEL OIL-I PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-I PERCENT-BARGES	-	-
FUEL OIL-I PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-I PERCENT-CARGOE	-	-
FUEL OIL-I PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-I PERCENT-CARGOE	-	-
FUEL OIL-I PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-I PERCENT-CIF ME	-	-
FUEL OIL-I PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-I PERCENT-CIF-NW	-	-

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FUEL OIL-1 PERCENT-CIF-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-CIF-WE	-	-
FUEL OIL-1 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-FOB ME	-	-
FUEL OIL-1 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-FOB-NW	-	-
FUEL OIL-1 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-FOB-WE	-	-
FUEL OIL-180 CST ARAB GULF (FOB)-PLATTS ASIA-PACIFIC	FUEL OIL-180 CST ARAB GUL	-	-
FUEL OIL-180 CST SINGAPORE-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-180 CST SINGAPOR	-	-
FUEL OIL-3.5 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-BARG	-	-
FUEL OIL-3.5 PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-BARG	-	-
FUEL OIL-3.5 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-CARG	-	-
FUEL OIL-3.5 PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-CARG	-	-
FUEL OIL-3.5 PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-CIF	-	-
FUEL OIL-3.5 PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-CIF-	-	-
FUEL OIL-3.5 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-FOB	-	-
FUEL OIL-3.5 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-FOB-	-	-
FUEL OIL-3.5 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-FOB-	-	-
FUEL OIL-380 CST DAILY PRICE ASSESSMENTS CRISTOBAL (EX-WHARF)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST DAILY PR	-	-
FUEL OIL-380 CST FUJAIRAH (IFO)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST FUJAIRAH	-	-
FUEL OIL-380 CST ROTTERDAM (IFO)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST ROTTERDA	-	-

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FUEL OIL-380 CST SINGAPORE (CARGOES)-PLATTS ASIA-PACIFIC MARKETSCAN	FUEL OIL-380 CST SINGAPOR	-	-
FUEL OIL-380 CST SINGAPORE (NON-CARGOES)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST SINGAPOR	-	-
FUEL OIL-NO. 6 0.3 PERCENT HP NEW YORK (BARGE)-PLATTS U.S.	FUEL OIL-NO. 6 0.3 PERCEN	-	-
FUEL OIL-NO. 6 0.3 PERCENT HP NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 0.3 PERCEN	-	-
FUEL OIL-NO. 6 0.3 PERCENT LP NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 0.3 PERCEN	-	-
FUEL OIL-NO. 6 0.7 PERCENT NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 0.7 PERCEN	-	-
FUEL OIL-NO. 6 1.0 PERCENT GULF COAST (WATERBORNE)-8 API-PLATTS U.S.	FUEL OIL-NO. 6 1.0 PERCEN	-	-
FUEL OIL-NO. 6 1.0 PERCENT NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 1.0 PERCEN	-	-
FUEL OIL-NO. 6 2.2 PERCENT RESIDUAL (BARGE)-PLATTS U.S.	FUEL OIL-NO. 6 2.2 PERCEN	-	-
FUEL OIL-NO. 6 2.2 PERCENT RESIDUAL (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 2.2 PERCEN	-	-
FUEL OIL-NO. 6 3.0 PERCENT GULF COAST (WATERBORNE)-PLATTS U.S.	FUEL OIL-NO. 6 3.0 PERCEN	-	-
FUEL OIL-NO. 6 3.0 PERCENT NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 3.0 PERCEN	-	-
GAS OIL - 50 PPM - BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GAS OIL - 50 PPM - BARGES	-	-
GAS OIL-0.1 PERCENT CARGOESFOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	GAS OIL-0.1 PERCENT CARGO	-	-
GAS OIL-0.1 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GAS OIL-0.1 PERCENT-BARGE	-	-
GAS OIL-0.1 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	GAS OIL-0.1 PERCENT-CARGO	-	-
GAS OIL-0.1 PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN	GAS OIL-0.1 PERCENT-CARGO	-	-

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GAS OIL-0.1 PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	GAS OIL-0.1 PERCENT-CIF M	-	-
GAS OIL-0.5 SINGAPORE-PLATTS ASIA-PACIFIC,	GAS OIL-0.5 SINGAPORE-PLA	-	-
GAS OIL-ICE GASOIL AVERAGE-ARGUS EUROPEAN PRODUCTS REPORT	GAS OIL-ICE GASOIL AVERAG	-	-
GAS OIL-ICE GASOIL AVERAGE-PLATTS EUROPEAN MARKETSCAN	GAS OIL-ICE GASOIL AVERAG	-	-
GAS OIL-ICE	GAS OIL-ICE	-	-
GAS OIL-LEICHTES HEIZOEL RHEINSCHIENE	GAS OIL-LEICHTES HEIZOEL	-	-
GAS OIL-TOCOM	GAS OIL-TOCOM	-	-
GASOIL - FOB ARAB GULF - PLATTS ASIA-PACIFIC	GASOIL - FOB ARAB GULF -	-	-
GASOIL 0.05 - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 0.05 - FOB SINGAPO	-	-
GASOIL 0.25 - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 0.25 - FOB SINGAPO	-	-
GASOIL 10PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 10PPM - FOB SINGAP	-	-
GASOIL 50PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 50PPM - FOB SINGAP	-	-
Gasoil-waterborne spot Tokyo bay rim intelligence products	Gasoil-waterborne spot To	-	-
GASOLINE 87M COLONIAL-ARGUS US PRODUCTS	GASOLINE 87M COLONIAL-ARG	-	-
GASOLINE- 10PPM -CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	GASOLINE- 10PPM -CARGOES	-	-
GASOLINE- MOGAS 95R UNL 10PPM-BARGES-ARGUS EUROPEAN PRODUCTS	GASOLINE- MOGAS 95R UNL I	-	-
GASOLINE-CARBOB-R LOS ANGELES (PIPELINE)-OPIS WEST COAST	GASOLINE-CARBOB-R LOS ANG	-	-
GASOLINE-CBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-CBOB GULF COAST	-	-
GASOLINE-EUROBOB NON OXY-ARGUS EUROPEAN PRODUCTS	GASOLINE-EUROBOB NON OXY-	-	-
GASOLINE-EUROBOB OXY-BARGES -ARGUS EUROPEAN PRODUCTS	GASOLINE-EUROBOB OXY-BARG	-	-
GASOLINE-MOGAS 95R UNL 10PPM-CIF NWE-CARGOES-ARGUS EUROPEAN PRODUCTS	GASOLINE-MOGAS 95R UNL 10	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
GASOLINE-PREM RBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-PREM RBOB GULF C	-	-
GASOLINE-PREM UNL 93 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-PREM UNL 93 ULS	-	-
GASOLINE-PREMIUM CBOB NEW YORK HARBOR (FOB Barge)-PLATTS US MARKETSCAN	GASOLINE-PREMIUM CBOB NEW	-	-
GASOLINE-PREMIUM UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P	-	-
GASOLINE-PREMIUM UNL 10 PPM-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P	-	-
GASOLINE-PREMIUM UNL 10 PPM-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P	-	-
GASOLINE-PREMIUM UNL 10 PPM-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P	-	-
GASOLINE-RBOB-NEW YORK-ICE	GASOLINE-RBOB-NEW YORK-IC	-	-
GASOLINE-RBOB-NEW YORK-NYMEX	GASOLINE-RBOB-NEW YORK-NY	-	-
GASOLINE-REGULAR (U.S.)-ENERGY INFORMATION ADMINISTRATION	GASOLINE-REGULAR (U.S.)-E	-	-
GASOLINE-REGULAR UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GASOLINE-REGULAR UNL 10 P	-	-
GASOLINE-SUPER UNL 93 NEW YORK (BARGE)-PLATTS U.S.	GASOLINE-SUPER UNL 93 NEW	-	-
GASOLINE-TOCOM	GASOLINE-TOCOM	-	-
GASOLINE-UNL 87 GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87 GULF COAS	-	-
GASOLINE-UNL 87 GULF COAST (WATERBORNE)-PLATTS U.S.	GASOLINE-UNL 87 GULF COAS	-	-
GASOLINE-UNL 87 NEW YORK (BARGE)-PLATTS U.S.	GASOLINE-UNL 87 NEW YORK	-	-
GASOLINE-UNL 87 NEW YORK (CARGO)-PLATTS U.S.	GASOLINE-UNL 87 NEW YORK	-	-
GASOLINE-UNL 87 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87 ULS 30 AT	-	-
GASOLINE-UNL 87 WEST COAST PIPELINE (LOS ANGELES)-PLATTS U.S.	GASOLINE-UNL 87 WEST COAS	-	-
GASOLINE-UNL 87-SUPPLEMENTAL GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87-SUPPLEMEN	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
GASOLINE-UNL 92 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 92 SINGAPORE	-	-
GASOLINE-UNL 93 GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 93 GULF COAS	-	-
GASOLINE-UNL 93-SUPPLEMENTAL GULF COAST (PIPELINE)- PLATTS U.S.	GASOLINE-UNL 93-SUPPLEMEN	-	-
GASOLINE-UNL 95 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 95 SINGAPORE	-	-
GASOLINE-UNL 97 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 97 SINGAPORE	-	-
GASOLINE-UNL 98 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 98 SINGAPORE	-	-
GASOLINE-UNL RBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL RBOB GULF CO	-	-
GASOLINE-UNLEADED RBOB NEW YORK (CARGO)-PLATTS U.S.	GASOLINE-UNLEADED RBOB NE	-	-
GASOLINE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS,	GASOLINE-WATERBORNE SPOT	-	-
GOLD-A.M. FIX (EUR)	GOLD-A.M. FIX (EUR)	-	-
GOLD-A.M. FIX (GBP)	GOLD-A.M. FIX (GBP)	-	-
GOLD-A.M. FIX	GOLD-A.M. FIX	-	-
GOLD-COMEX-SAFEX	GOLD-COMEX-SAFEX	-	-
GOLD-COMEX	GOLD-COMEX	-	-
GOLD-P.M. FIX (EUR)	GOLD-P.M. FIX (EUR)	-	-
GOLD-P.M. FIX (GBP)	GOLD-P.M. FIX (GBP)	-	-
GOLD-P.M. FIX	GOLD-P.M. FIX	-	-
GOLD-TOCOM	GOLD-TOCOM	-	-
GREASY WOOL (21 MICRON)-SFE	GREASY WOOL (21 MICRON)-S	-	-
GSCI TR@	GSCI TR@	-	-
HEATING OIL COLONIAL-ARGUS US PRODUCTS	HEATING OIL COLONIAL-ARGU	-	-
HEATING OIL-NEW YORK (BARGE)-PLATTS U.S.	HEATING OIL-NEW YORK (BAR	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
HEATING OIL-NEW YORK (CARGO)-PLATTS U.S.	HEATING OIL-NEW YORK (CAR	-	-
HEATING OIL-NEW YORK-ICE	HEATING OIL-NEW YORK-ICE	-	-
HEATING OIL-NEW YORK-NYMEX	HEATING OIL-NEW YORK-NYME	-	-
HEATING OIL-NO. 2 GULF COAST (PIPELINE)-PLATTS U.S.	HEATING OIL-NO. 2 GULF CO	-	-
HEATING OIL-NO. 2 GULF COAST (WATERBORNE)-PLATTS U.S.	HEATING OIL-NO. 2 GULF CO	-	-
HIGH SULPHUR FUEL OIL - 180 CST SINGAPORE - PLATTS ASIA-PACIFIC	HIGH SULPHUR FUEL OIL - I	-	-
HPDE HWM FILM-N.A.-CMAI	HPDE HWM FILM-N.A.-CMAI	-	-
HS6TC (Handysize Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - HANDYSIZE TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	HS6TC (Handysize Dry Time	-	-
ICIS FD EU Contract Price Polyethylene	ICIS FD EU Contract Price	-	-
ICIS FD EU Domestic Prices Polypropylene	ICIS FD EU Domestic Price	-	-
IRANIAN LIGHT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	IRANIAN LIGHT FOB ARA CRA	-	-
IRIDIUM-COMDAQ (EUR)	IRIDIUM-COMDAQ (EUR)	-	-
IRIDIUM-COMDAQ (GBP)	IRIDIUM-COMDAQ (GBP)	-	-
IRIDIUM-COMDAQ (JPY)	IRIDIUM-COMDAQ (JPY)	-	-
IRIDIUM-COMDAQ	IRIDIUM-COMDAQ	-	-
IRIDIUM-HERAEUS	IRIDIUM-HERAEUS	-	-
IRIDIUM-JOHNSON MATTHEY	IRIDIUM-JOHNSON MATTHEY	-	-
IRON ORE- IODBZ00 IODEX 62% FeCFR CHINA	IRON ORE- IODBZ00 IODEX 6	-	-
IRON ORE-FINES 62 PERCENT FE-QINGDAO-THE STEEL INDEX-	IRON ORE-FINES 62 PERCENT	-	-
IRON ORE-FINES 62 PERCENT FE-TIANJIN -THE STEEL INDEX	IRON ORE-FINES 62 PERCENT	-	-
IRON ORE-FINES 63.5/63 PERCENT FE-QINGDAO-THE STEEL INDEX-	IRON ORE-FINES 63.5/63 PE	-	-
IRON ORE-MB 63.5% METAL BULLETIN	IRON ORE-MB 63.5% METAL B	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
JET FUEL COLONIAL JET 54-ARGUS US PRODUCTS	JET FUEL COLONIAL JET 54-	-	-
JET FUEL COLONIAL JET 55 -ARGUS US PRODUCTS	JET FUEL COLONIAL JET 55	-	-
JET FUEL- Chicago Jet - ARGUS US PRODUCTS REPORT	JET FUEL- Chicago Jet - A	-	-
JET FUEL- GROUP 3 JET Q - Prompt ARGUS US PRODUCTS	JET FUEL- GROUP 3 JET Q -	-	-
JET FUEL- Los Angeles Jet - ARGUS US PRODUCTS	JET FUEL- Los Angeles Jet	-	-
JET FUEL- NY Barges Jet 54 - Prompt- ARGUS US PRODUCTS	JET FUEL- NY Barges Jet 5	-	-
JET FUEL- NY Barges Jet 55 - Prompt- ARGUS US PRODUCTS	JET FUEL- NY Barges Jet 5	-	-
JET FUEL-ASIA-PACIFIC (KERO)-PLATTS ASIA-PACIFIC	JET FUEL-ASIA-PACIFIC (KE	-	-
JET FUEL-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	JET FUEL-BARGES FOB ROTTE	-	-
JET FUEL-BARGES-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-BARGES-NWE-ARGUS	-	-
JET FUEL-BUCKEYE-PLATTS U.S.	JET FUEL-BUCKEYE-PLATTS U	-	-
JET FUEL-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	JET FUEL-CARGOES CIF NWE/	-	-
JET FUEL-CARGOES-CIF-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-CARGOES-CIF-NWE-	-	-
JET FUEL-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	JET FUEL-FOB MED (ITALY)-	-	-
JET FUEL-FOB-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-FOB-NWE-ARGUS EU	-	-
JET FUEL-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS	JET FUEL-FOB-WEST MED-ARG	-	-
JET FUEL-JET 54 GULF COAST (PIPELINE)-PLATTS U.S.	JET FUEL-JET 54 GULF COAS	-	-
JET FUEL-JET 54 GULF COAST (WATERBORNE)-PLATTS U.S.	JET FUEL-JET 54 GULF COAS	-	-
JET FUEL-JET 55 GULF COAST (PIPELINE)-PLATTS U.S.	JET FUEL-JET 55 GULF COAS	-	-
JET FUEL-JET 55 GULF COAST (WATERBORNE)-PLATTS U.S.	JET FUEL-JET 55 GULF COAS	-	-
JET FUEL-LOS ANGELES (PIPELINE)-OPIS WEST COAST	JET FUEL-LOS ANGELES (PIP	-	-
JET FUEL-Midwest Chicago: Jet -PLATTS U.S.	JET FUEL-Midwest Chicago:	-	-
JET FUEL-Midwest Group 3: Jet -PLATTS U.S.	JET FUEL-Midwest Group 3:	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
JET FUEL-NEW YORK (BARGE) Low Sulfur Jet -PLATTS U.S.	JET FUEL-NEW YORK (BARGE)	-	-
JET FUEL-NEW YORK (BARGE)-PLATTS U.S.	JET FUEL-NEW YORK (BARGE)	-	-
JET FUEL-WEST COAST LOS ANGELES (PIPELINE)-PLATTS U.S.	JET FUEL-WEST COAST LOS A	-	-
KEROSENE - FOR ARAB GULF - PLATTS ASIA PACIFIC	KEROSENE - FOR ARAB GULF	-	-
KEROSENE-TOCOM	KEROSENE-TOCOM	-	-
KEROSENE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS	KEROSENE-WATERBORNE SPOT	-	-
KIRKUK LIGHT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	KIRKUK LIGHT FOB ARA CRAC	-	-
KUWAIT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	KUWAIT FOB ARA CRACK NETB	-	-
LEAD-LME 15 MONTH	LEAD-LME 15 MONTH	-	-
LEAD-LME 3 MONTH	LEAD-LME 3 MONTH	-	-
LEAD-LME CASH	LEAD-LME CASH	-	-
LEAN HOGS-CME	LEAN HOGS-CME	-	-
LIVE CATTLE-CME	LIVE CATTLE-CME	-	-
Low Density Polyethylene General Purpose - Platts Polymerscan,	Low Density Polyethylene	-	-
LUMBER-CME	LUMBER-CME	-	-
MATIF MAIZE	MATIF MAIZE	-	-
MILK-CLASS III-CME	MILK-CLASS III-CME	-	-
MILK-CLASS IV-CME	MILK-CLASS IV-CME	-	-
MILK-NONFAT-DRY-CME	MILK-NONFAT-DRY-CME	-	-
MILK-WMP-NXZ	MILK-WMP-NXZ	-	-
MILLING WHEAT - MATIF	MILLING WHEAT - MATIF	-	-
MILLING WHEAT-EURONEXT LIFFE	MILLING WHEAT-EURONEXT LI	-	-
MOLYBDENUM - LME - 3 MONTH	MOLYBDENUM - LME - 3 MONT	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
MOLYBDENUM - LME - CASH	MOLYBDENUM - LME - CASH	-	-
MOLYBDENUM - PLATTS METALS WEEK::	MOLYBDENUM - PLATTS METAL	-	-
MOLYBDENUM-LME 15 month	MOLYBDENUM-LME 15 month	-	-
MOLYBDENUM-LME 3 month	MOLYBDENUM-LME 3 month	-	-
MOP-CFR BRAZIL-FMB	MOP-CFR BRAZIL-FMB	-	-
MOP-CFR EUROPE-FMB	MOP-CFR EUROPE-FMB	-	-
MOP-CFR SE ASIA-FMB	MOP-CFR SE ASIA-FMB	-	-
MOP-FOB FSU-FMB	MOP-FOB FSU-FMB	-	-
MOP-FOB VANCOUVER-FMB	MOP-FOB VANCOUVER-FMB	-	-
MTBE-GULF COAST (WATERBORNE)-PLATTS U.S.	MTBE-GULF COAST (WATERBOR	-	-
MURBAN FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	MURBAN FOB ARA CRACK NETB	-	-
NAPHTHA - FOR ARAB GULF - PLATTS ASIA-PACIFIC	NAPHTHA - FOR ARAB GULF -	-	-
NAPHTHA JAPAN (C+F)-PLATTS ASIA PACIFIC	NAPHTHA JAPAN (C+F)-PLATT	-	-
NAPHTHA-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	NAPHTHA-CIF MED (GENOVA/L	-	-
NAPHTHA-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	NAPHTHA-FOB MED (ITALY)-P	-	-
NAPHTHA-GULF COAST (WATERBORNE)-PLATTS U.S.	NAPHTHA-GULF COAST (WATER	-	-
NAPHTHA-PHYSICAL-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	NAPHTHA-PHYSICAL-BARGES F	-	-
NAPHTHA-PHYSICAL-CARGOES CIF NWE/BASIS ARA- PLATTS EUROPEAN MARKETSCAN	NAPHTHA-PHYSICAL-CARGOES	-	-
NAPHTHA-SINGAPORE-PLATTS ASIA-PACIFIC	NAPHTHA-SINGAPORE-PLATTS	-	-
NASAAC-LME 15 MONTH	NASAAC-LME 15 MONTH	-	-
NASAAC-LME 27 MONTH	NASAAC-LME 27 MONTH	-	-
NASAAC-LME 3 MONTH	NASAAC-LME 3 MONTH	-	-
NASAAC-LME CASH	NASAAC-LME CASH	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS - MAINLINE (CGTC) - INSIDE FERC	NATURAL GAS - MAINLINE (C	-	-
NATURAL GAS - TEXAS (KOCH) - INSIDE FERC	NATURAL GAS - TEXAS (KOCH	-	-
NATURAL GAS-AECO (\$CAD/GJ)-NGX	NATURAL GAS-AECO (\$CAD/GJ	-	-
NATURAL GAS-AECO C-NIT (CAD/GJ)-CANADIAN GAS PRICE REPORTER-MONTHLY	NATURAL GAS-AECO C-NIT (C	-	-
NATURAL GAS-AECO C/NIT (CAD/GJ) - CANADIAN GAS PRICE REPORTER - 5A DAILY	NATURAL GAS-AECO C/NIT (C	-	-
NATURAL GAS-ALBERTA NATURAL GAS CO. & PG&E GAS TRANSMISSIONS-NORTHWEST INTERCONNECT-MONTH AHEAD-ICE	NATURAL GAS-ALBERTA NATUR	-	-
NATURAL GAS-ALBERTA, NOVA INVENTORY TRANSFER (AECO)-MONTH AHEAD-ICE	NATURAL GAS-ALBERTA, NOVA	-	-
NATURAL GAS-ALGONQUIN CITYGATES-DAY AHEAD-ICE-	NATURAL GAS-ALGONQUIN CIT	-	-
NATURAL GAS-ALGONQUIN GAS TRANSMISSIONS CO.-CITYGATES-MONTH AHEAD-ICE	NATURAL GAS-ALGONQUIN GAS	-	-
NATURAL GAS-ALLIANCE DELIVERED-DAY AHEAD-ICE	NATURAL GAS-ALLIANCE DELI	-	-
NATURAL GAS-ALLIANCE PIPELINE CO.-INTO INTERSTATES (ANR, NICOR, NGPL, MIDWESTERN, UDEL, VECTOR)-MONTH AHEAD-ICE	NATURAL GAS-ALLIANCE PIPE	-	-
NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SE TRANSMISSION & GATHERING POOL-MONTH AHEAD-ICE	NATURAL GAS-AMERICAN NATU	-	-
NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SW POOL-MONTH AHEAD-ICE	NATURAL GAS-AMERICAN NATU	-	-
NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SE GATHERING POOL-MONTH AHEAD-ICE	NATURAL GAS-AMERICAN NATU	-	-
NATURAL GAS-ANR (LOUISIANA)-INSIDE FERC	NATURAL GAS-ANR (LOUISIAN	-	-
NATURAL GAS-ANR (OKLAHOMA)-INSIDE FERC	NATURAL GAS-ANR (OKLAHOMA	-	-
NATURAL GAS-ANR-SE T-ICE DAY AHEAD	NATURAL GAS-ANR-SE T-ICE	-	-
NATURAL GAS-ANR-SW-DAY AHEAD-ICE	NATURAL GAS-ANR-SW-DAY AH	-	-
NATURAL GAS-APPALACHIA (COLUMBIA GAS)-GAS DAILY	NATURAL GAS-APPALACHIA (C	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-APPALACHIA (DOMINION, NORTH POINT)-GAS DAILY	NATURAL GAS-APPALACHIA (D	-	-
NATURAL GAS-APPALACHIA (DOMINION, SOUTH POINT)-GAS DAILY	NATURAL GAS-APPALACHIA (D	-	-
NATURAL GAS-APPALACHIA (LEBANON HUB)-GAS DAILY	NATURAL GAS-APPALACHIA (L	-	-
NATURAL GAS-APPALACHIA (LEIDY HUB)-GAS DAILY	NATURAL GAS-APPALACHIA (L	-	-
NATURAL GAS-CALIFORNIA (MALIN)-NGI	NATURAL GAS-CALIFORNIA (M	-	-
NATURAL GAS-CALIFORNIA (PG&E CITY-GATE)-INSIDE FERC	NATURAL GAS-CALIFORNIA (P	-	-
NATURAL GAS-CALIFORNIA (PG&E CITYGATE)-NGI	NATURAL GAS-CALIFORNIA (P	-	-
NATURAL GAS-CALIFORNIA (PG&E MALIN, ORE.)-INSIDE FERC	NATURAL GAS-CALIFORNIA (P	-	-
NATURAL GAS-CALIFORNIA (PG&E SOUTH)-INSIDE FERC	NATURAL GAS-CALIFORNIA (P	-	-
NATURAL GAS-CALIFORNIA (SOCAL CITYGATE)-INSIDE FERC	NATURAL GAS-CALIFORNIA (S	-	-
NATURAL GAS-CALIFORNIA (SOCAL CITYGATE)-NGI	NATURAL GAS-CALIFORNIA (S	-	-
NATURAL GAS-CALIFORNIA (SOUTHERN BORDER, PG&E)-NGI	NATURAL GAS-CALIFORNIA (S	-	-
NATURAL GAS-CALIFORNIA (SOUTHERN CALIFORNIA BDR. AVG.)-NGI	NATURAL GAS-CALIFORNIA (S	-	-
NATURAL GAS-CALIFORNIA (SOUTHERN CALIFORNIA GAS CO.)-INSIDE FERC	NATURAL GAS-CALIFORNIA (S	-	-
NATURAL GAS-CANADIAN GAS (DAWN)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (EMERSON, VIKING GL)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (IROQUOIS)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (KINGSGATE)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (NIAGARA)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (NORTHWEST SUMAS)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-CANADIAN GAS (TCPL ALBERTA-AECO-C)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CANADIAN GAS (WESTCOAST, STATION 2)-GAS DAILY	NATURAL GAS-CANADIAN GAS	-	-
NATURAL GAS-CARTHAGE HUB-TAILGATE-MONTH AHEAD-ICE	NATURAL GAS-CARTHAGE HUB-	-	-
NATURAL GAS-CARTHAGE-DAY AHEAD-ICE	NATURAL GAS-CARTHAGE-DAY	-	-
NATURAL GAS-CEGH DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-CEGH DAY AHEA	-	-
NATURAL GAS-CEGH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-CEGH DAY AHEA	-	-
NATURAL GAS-CEGH-MONTH AHEAD INDEX-LEBA	NATURAL GAS-CEGH-MONTH AH	-	-
NATURAL GAS-CEGT WEST-DAY AHEAD-ICE	NATURAL GAS-CEGT WEST-DAY	-	-
NATURAL GAS-CEGT- FLEX-DAY AHEAD-ICE	NATURAL GAS-CEGT- FLEX-DA	-	-
NATURAL GAS-CENTERPOINT (EAST)-INSIDE FERC	NATURAL GAS-CENTERPOINT (-	-
NATURAL GAS-CENTERPOINT ENERGY GAS TRANSMISSION CO.-EAST (GENERIC-NORTH, SOUTH OR FLEX)-MONTH AHEAD-ICE	NATURAL GAS-CENTERPOINT E	-	-
NATURAL GAS-CENTERPOINT-WEST (GENERIC-W1 OR W2)-MONTH AHEAD-ICE	NATURAL GAS-CENTERPOINT-W	-	-
NATURAL GAS-CG MAINLINE-DAY AHEAD-ICE -NATURAL GAS	NATURAL GAS-CG MAINLINE-D	-	-
NATURAL GAS-CG ONSHORE-DAY AHEAD-ICE	NATURAL GAS-CG ONSHORE-DA	-	-
NATURAL GAS-CHEYENNE HUB-MONTH AHEAD-ICE	NATURAL GAS-CHEYENNE HUB-	-	-
NATURAL GAS-CHEYENNE-DAY AHEAD-ICE	NATURAL GAS-CHEYENNE-DAY	-	-
NATURAL GAS-CHICAGO CITYGATES-DAY AHEAD-ICE	NATURAL GAS-CHICAGO CITYG	-	-
NATURAL GAS-CIG (ROCKY MOUNTAINS)-INSIDE FERC	NATURAL GAS-CIG (ROCKY MO	-	-
NATURAL GAS-CIG MAINLINE-DAY AHEAD-ICE	NATURAL GAS-CIG MAINLINE-	-	-
NATURAL GAS-CITYGATES (ALGONQUIN)-GAS DAILY	NATURAL GAS-CITYGATES (AL	-	-
NATURAL GAS-CITYGATES (CHICAGO)-GAS DAILY	NATURAL GAS-CITYGATES (CH	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-CITYGATES (CONSUMERS ENERGY)-GAS DAILY	NATURAL GAS-CITYGATES (CO	-	-
NATURAL GAS-CITYGATES (FLORIDA)-GAS DAILY	NATURAL GAS-CITYGATES (FL	-	-
NATURAL GAS-CITYGATES (IROQUOIS ZONE 2)-GAS DAILY	NATURAL GAS-CITYGATES (IR	-	-
NATURAL GAS-CITYGATES (KERN RIVER)-GAS DAILY	NATURAL GAS-CITYGATES (KE	-	-
NATURAL GAS-CITYGATES (MICH CON)-GAS DAILY	NATURAL GAS-CITYGATES (MI	-	-
NATURAL GAS-CITYGATES (PG&E)-GAS DAILY	NATURAL GAS-CITYGATES (PG	-	-
NATURAL GAS-CITYGATES (SOCAL)-GAS DAILY	NATURAL GAS-CITYGATES (SO	-	-
NATURAL GAS-CITYGATES (TENNESSEE ZONE 6)-GAS DAILY	NATURAL GAS-CITYGATES (TE	-	-
NATURAL GAS-CITYGATES (TEXAS EASTERN ZONE M-3)-GAS DAILY	NATURAL GAS-CITYGATES (TE	-	-
NATURAL GAS-CITYGATES (TRANSCO ZONE 5 DELIVERED)-GAS DAILY	NATURAL GAS-CITYGATES (TR	-	-
NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NON-NY)-GAS DAILY	NATURAL GAS-CITYGATES (TR	-	-
NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NY)-GAS DAILY	NATURAL GAS-CITYGATES (TR	-	-
NATURAL GAS-COL GAS TCO-DAY AHEAD-ICE	NATURAL GAS-COL GAS TCO-D	-	-
NATURAL GAS-COLORADO INTERSTATE GAS COMPANY-MAINLINE-MONTH AHEAD-ICE	NATURAL GAS-COLORADO INTE	-	-
NATURAL GAS-COLUMBIA GAS (APPALACHIA)-INSIDE FERC	NATURAL GAS-COLUMBIA GAS	-	-
NATURAL GAS-COLUMBIA GAS CO.-TCO POOL (APPALACHIA)-MONTH AHEAD-ICE	NATURAL GAS-COLUMBIA GAS	-	-
NATURAL GAS-COLUMBIA GULF (LOUISIANA)-INSIDE FERC	NATURAL GAS-COLUMBIA GULF	-	-
NATURAL GAS-COLUMBIA GULF (MAINLINE)-INSIDE FERC	NATURAL GAS-COLUMBIA GULF	-	-
NATURAL GAS-COLUMBIA GULF TRANSMISSION CO.-MAINLINE POOL-MONTH AHEAD-ICE	NATURAL GAS-COLUMBIA GULF	-	-
NATURAL GAS-COLUMBIA GULF TRANSMISSION CO.-ONSHORE POOL-MONTH AHEAD-ICE	NATURAL GAS-COLUMBIA GULF	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-CONSUMERS ENERGY CITYGATE-MONTH AHEAD-ICE	NATURAL GAS-CONSUMERS ENE	-	-
NATURAL GAS-CONSUMERS-DAY AHEAD-ICE	NATURAL GAS-CONSUMERS-DAY	-	-
NATURAL GAS-DEMARCO-DAY AHEAD-ICE	NATURAL GAS-DEMARCO-DAY AH	-	-
NATURAL GAS-DOMINION (APPALACHIA)-INSIDE FERC	NATURAL GAS-DOMINION (APP	-	-
NATURAL GAS-DOMINION SOUTH-DAY AHEAD-ICE	NATURAL GAS-DOMINION SOUT	-	-
NATURAL GAS-DOMINION-SOUTH POINT-MONTH AHEAD-ICE	NATURAL GAS-DOMINION-SOUT	-	-
NATURAL GAS-DRACUT-DAY AHEAD-ICE	NATURAL GAS-DRACUT-DAY AH	-	-
NATURAL GAS-E. HOUSTON-KATY (HOUSTON SHIP CHANNEL)-GAS DAILY	NATURAL GAS-E. HOUSTON-KA	-	-
NATURAL GAS-E. HOUSTON-KATY (KATY)-GAS DAILY	NATURAL GAS-E. HOUSTON-KA	-	-
NATURAL GAS-E. TEXAS (HOUSTON SHIP CHANNEL)-INSIDE FERC	NATURAL GAS-E. TEXAS (HOU	-	-
NATURAL GAS-E. TEXAS (KATY)-INSIDE FERC	NATURAL GAS-E. TEXAS (KAT	-	-
NATURAL GAS-EAST TEXAS (CARTHAGE)-GAS DAILY	NATURAL GAS-EAST TEXAS (C	-	-
NATURAL GAS-EAST TEXAS (NGPL TEXOK)-GAS DAILY	NATURAL GAS-EAST TEXAS (N	-	-
NATURAL GAS-EAST TEXAS (TEXAS EASTERN ETX)-GAS DAILY	NATURAL GAS-EAST TEXAS (T	-	-
NATURAL GAS-EAST TEXAS (TEXAS GAS ZONE 1)-GAS DAILY	NATURAL GAS-EAST TEXAS (T	-	-
NATURAL GAS-EL PASO (PERMIAN BASIN)-INSIDE FERC	NATURAL GAS-EL PASO (PERM	-	-
NATURAL GAS-EL PASO (SAN JUAN BASIN)-INSIDE FERC	NATURAL GAS-EL PASO (SAN	-	-
NATURAL GAS-EL PASO-KEYSTONE POOL-MONTH AHEAD-ICE	NATURAL GAS-EL PASO-KEYST	-	-
NATURAL GAS-EL PASO-SAN JUAN BASIN, BLANCO POOL (NON-BONDAD)-MONTH AHEAD-ICE	NATURAL GAS-EL PASO-SAN J	-	-
NATURAL GAS-EMERSON (\$CAD/GJ)-NGX	NATURAL GAS-EMERSON (\$CAD	-	-
NATURAL GAS-EMPRESS (\$US/MMBTU)-NGX	NATURAL GAS-EMPRESS (\$US/	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-EP-PERMIAN (KEYSTONE POOL, WAHA POOL)-MONTH AHEAD-ICE	NATURAL GAS-EP-PERMIAN (K	-	-
NATURAL GAS-EP-PERMIAN-DAY AHEAD-ICE	NATURAL GAS-EP-PERMIAN-DA	-	-
NATURAL GAS-EP-SOUTH MAINLINE-DAY AHEAD-ICE	NATURAL GAS-EP-SOUTH MAIN	-	-
NATURAL GAS-EUR-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-EUR-ZEEBRUGGE	-	-
NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-EUR-ZEEBRUGGE	-	-
NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-EUR-ZEEBRUGGE	-	-
NATURAL GAS-EUR-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-EUR-ZEEBRUGGE	-	-
NATURAL GAS-FGT-Z1-DAY AHEAD-ICE	NATURAL GAS-FGT-Z1-DAY AH	-	-
NATURAL GAS-FGT-Z2-DAY AHEAD-ICE	NATURAL GAS-FGT-Z2-DAY AH	-	-
NATURAL GAS-FGT-Z3-DAY AHEAD-ICE	NATURAL GAS-FGT-Z3-DAY AH	-	-
NATURAL GAS-FLORIDA GAS (ZONE 1)-INSIDE FERC	NATURAL GAS-FLORIDA GAS (-	-
NATURAL GAS-FLORIDA GAS (ZONE 2)-INSIDE FERC	NATURAL GAS-FLORIDA GAS (-	-
NATURAL GAS-FLORIDA GAS (ZONE 3)-INSIDE FERC	NATURAL GAS-FLORIDA GAS (-	-
NATURAL GAS-FLORIDA GAS TRANSMISSION-ZONE 2-MONTH AHEAD-ICE	NATURAL GAS-FLORIDA GAS T	-	-
NATURAL GAS-FLORIDA GAS TRANSMISSION-ZONE 3-MONTH AHEAD-ICE	NATURAL GAS-FLORIDA GAS T	-	-
NATURAL GAS-GASPOOL-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-GASPOOL-DAY A	-	-
NATURAL GAS-GASPOOL-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-GASPOOL-MONTH	-	-
NATURAL GAS-GERMANY MONTHLY AVERAGE-EEX	NATURAL GAS-GERMANY MONTH	-	-
NATURAL GAS-GPI DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-GPI DAY AHEAD	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-GPI DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-GPI DAY AHEAD	-	-
NATURAL GAS-GPI-MONTH AHEAD INDEX-LEBA	NATURAL GAS-GPI-MONTH AHE	-	-
NATURAL GAS-HENRY HUB-TAILGATE, LOUISIANA-MONTH AHEAD-ICE	NATURAL GAS-HENRY HUB-TAI	-	-
NATURAL GAS-HENRY-DAY AHEADICE	NATURAL GAS-HENRY-DAY AHE	-	-
NATURAL GAS-HOUSTON SHIP CHANNEL-DAY AHEAD-ICE	NATURAL GAS-HOUSTON SHIP	-	-
NATURAL GAS-HOUSTON SHIP CHANNEL-HOUSTON PIPE LINE POOL-MONTH AHEAD-ICE	NATURAL GAS-HOUSTON SHIP	-	-
NATURAL GAS-ICE-NBP NATURAL GAS INDEX-ICE	NATURAL GAS-ICE-NBP NATUR	-	-
NATURAL GAS-IROQUOIS (\$US/MMBTU)-NGX	NATURAL GAS-IROQUOIS (\$US	-	-
NATURAL GAS-IROQUOIS-Z2-DAY AHEAD-ICE	NATURAL GAS-IROQUOIS-Z2-D	-	-
NATURAL GAS-IROQUOIS-ZONE 1-MONTH AHEAD-ICE	NATURAL GAS-IROQUOIS-ZONE	-	-
NATURAL GAS-IROQUOIS-ZONE 2-MONTH AHEAD-ICE	NATURAL GAS-IROQUOIS-ZONE	-	-
NATURAL GAS-KATY (EXXON, OASIS, LONESTAR INTA/INTER, PPM STORAGE (INJ/WD)-MONTH AHEAD-ICE	NATURAL GAS-KATY (EXXON,	-	-
NATURAL GAS-KATY-DAY AHEAD-ICE-	NATURAL GAS-KATY-DAY AHEA	-	-
NATURAL GAS-KERN RIVER (WYOMING)-INSIDE FERC	NATURAL GAS-KERN RIVER (W	-	-
NATURAL GAS-KERN RIVER GAS TRANSMISSION CO-- ON SYSTEM DELIVERY (NON-WHEELER, NON-KRAMER JUNCTION, NON-DAGGETT)-MONTH AHEAD-ICE	NATURAL GAS-KERN RIVER GA	-	-
NATURAL GAS-KERN RIVER GAS TRANSMISSION-ON SYSTEM RECEIPT-MONTH AHEAD-ICE	NATURAL GAS-KERN RIVER GA	-	-
NATURAL GAS-KINGSGATE-DAY AHEAD-ICE	NATURAL GAS-KINGSGATE-DAY	-	-
NATURAL GAS-KRGT-DEL POOL-DAY AHEAD-ICE	NATURAL GAS-KRGT-DEL POOL	-	-
NATURAL GAS-KRGT-REC POOL-DAY AHEAD-ICE	NATURAL GAS-KRGT-REC POOL	-	-
NATURAL GAS-LOUISIANA (ANR)-GAS DAILY	NATURAL GAS-LOUISIANA (AN	-	-
NATURAL GAS-LOUISIANA (COLUMBIA GULF MAINLINE)-GAS DAILY	NATURAL GAS-LOUISIANA (CO	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-LOUISIANA (COLUMBIA GULF)-GAS DAILY	NATURAL GAS-LOUISIANA (CO	-	-
NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 1)-GAS DAILY	NATURAL GAS-LOUISIANA (FL	-	-
NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 2)-GAS DAILY	NATURAL GAS-LOUISIANA (FL	-	-
NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 3)-GAS DAILY	NATURAL GAS-LOUISIANA (FL	-	-
NATURAL GAS-LOUISIANA (HENRY HUB)-GAS DAILY	NATURAL GAS-LOUISIANA (HE	-	-
NATURAL GAS-LOUISIANA (NGPL)-GAS DAILY	NATURAL GAS-LOUISIANA (NG	-	-
NATURAL GAS-LOUISIANA (SOUTHERN NATURAL)-GAS DAILY	NATURAL GAS-LOUISIANA (SO	-	-
NATURAL GAS-LOUISIANA (TENNESSEE, 500 LEG)-GAS DAILY	NATURAL GAS-LOUISIANA (TE	-	-
NATURAL GAS-LOUISIANA (TENNESSEE, 800 LEG)-GAS DAILY	NATURAL GAS-LOUISIANA (TE	-	-
NATURAL GAS-LOUISIANA (TEXAS EASTERN, ELA)-GAS DAILY	NATURAL GAS-LOUISIANA (TE	-	-
NATURAL GAS-LOUISIANA (TEXAS EASTERN, WLA)-GAS DAILY	NATURAL GAS-LOUISIANA (TE	-	-
NATURAL GAS-LOUISIANA (TEXAS GAS ZONE SL)-GAS DAILY	NATURAL GAS-LOUISIANA (TE	-	-
NATURAL GAS-LOUISIANA (TRANSCO ZONE 2)-GAS DAILY	NATURAL GAS-LOUISIANA (TR	-	-
NATURAL GAS-LOUISIANA (TRANSCO ZONE 3)-GAS DAILY	NATURAL GAS-LOUISIANA (TR	-	-
NATURAL GAS-LOUISIANA (TRUNKLINE ELA)-GAS DAILY	NATURAL GAS-LOUISIANA (TR	-	-
NATURAL GAS-LOUISIANA (TRUNKLINE WLA) -GAS DAILY	NATURAL GAS-LOUISIANA (TR	-	-
NATURAL GAS-LOUISIANA-NATURAL GAS WEEK	NATURAL GAS-LOUISIANA-NAT	-	-
NATURAL GAS-MALIN-DAY AHEAD-ICE	NATURAL GAS-MALIN-DAY AHE	-	-
NATURAL GAS-MARITIMES & TENNESSEE GAS PIPELINE CO.-DRACUT INTERCONNECT-MONTH AHEAD-ICE	NATURAL GAS-MARITIMES & T	-	-
NATURAL GAS-MICHCON-DAY AHEAD-ICE	NATURAL GAS-MICHCON-DAY A	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-MICHIGAN CONSOLIDATED CITYGATE-MONTH AHEAD-ICE	NATURAL GAS-MICHIGAN CONS	-	-
NATURAL GAS-MIDCONTINENT (NGPL)-INSIDE FERC	NATURAL GAS-MIDCONTINENT	-	-
NATURAL GAS-MIDCONTINENT (NGPL)-NGI	NATURAL GAS-MIDCONTINENT	-	-
NATURAL GAS-MIDWEST (CHICAGO CITYGATE)-NGI	NATURAL GAS-MIDWEST (CHIC	-	-
NATURAL GAS-MISS-ALA (TEXAS EASTERN M-I, KOSI)-GAS DAILY	NATURAL GAS-MISS-ALA (TEX	-	-
NATURAL GAS-MISS-ALA (TRANSCO ZONE 4)-GAS DAILY	NATURAL GAS-MISS-ALA (TRA	-	-
NATURAL GAS-MONTHLY INDEX ALGONQUIN CITY-GATES-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ANR ML 7-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX APPALACHIA (COLUMBIA GAS)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX APPALACHIA (DOMINION)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX CANADIAN BORDER (NWPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX CHICAGO CITY-GATES-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX DAWN ONTARIO-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX DEMARCATION (NNG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX E. LOUISIANA (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX E. TEXAS (HOUSTON SHIP CHANNEL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX E. TEXAS (KATY)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX E. TEXAS (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX EAST (CENTERPOINT)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-MONTHLY INDEX LOUISIANA (ANR)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (COLUMBIA GULF)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (NGPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (SOUTHERN NATURAL)-INSIDE FERC	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (TENNESSEE 500 LEG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (TENNESSEE 800 LEG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX LOUISIANA (TRUNKLINE)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX MICH CON CITY-GATE-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX MIDCONTINENT (NGPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX MISS/ALA (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX MISSISSIPPI (MAINLINE)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX NIAGARA-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX OKLAHOMA (ANR)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX OKLAHOMA (ONG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX PERMIAN BASIN (EL PASO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX PERMIAN BASIN (TRANSWESTERN)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ROCKIES/NW (STANFIELD)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-MONTHLY INDEX ROCKIES/NW NOVA (AECO-C)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ROCKY MOUNTAINS (CIGC)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ROCKY MOUNTAINS (QUESTAR)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ROCKYMTNS (NWPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX S. LOUISIANA (HENRY HUB)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX S. LOUISIANA/EAST SIDE (GULF SOUTH)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX S. TEXAS (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX SAN JUAN BASIN (EL PASO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX SOUTH TEXAS (NGPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEX/OKL MAINLINE (PEPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEX/OKLA/KAN (NNG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEX/OKLA/KAN (SOUTHERN)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEXAS (TENNESSEE ZONE 0)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEXAS (TRUNKLINE)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX TEXOK (NGPL)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX VENTURA (NNG)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX W. LOUISIANA (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-MONTHLY INDEX W. TEXAS (WAHA)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX WYOMING (KERN RIVER)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 1 (FGTC)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 1 (TGT)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 1 (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 2 (FGTC)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 2 (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 3 (FGTC)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 3 (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 6 DELIVERED (TENNESSEE)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 6 NON-NY (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE 6 NY (TRANSCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE M-3 (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-MONTHLY INDEX ZONE SL (TGT)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX	-	-
NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-AMARILLO POOLING PIN-MONTH AHEAD-ICE	NATURAL GAS-NATURAL GAS P	-	-
NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-LOUISIANA POOLING PIN-MONTH AHEAD-ICE	NATURAL GAS-NATURAL GAS P	-	-
NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-MID-CONTINENT POOLING PIN-MONTH AHEAD-ICE	NATURAL GAS-NATURAL GAS P	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-TXOK EAST POOL (GULF COAST)-MONTH AHEAD-ICE	NATURAL GAS-NATURAL GAS P	-	-
NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA, SOUTH TEXAS POOL-MONTH AHEAD-ICE	NATURAL GAS-NATURAL GAS P	-	-
NATURAL GAS-NBP MONTHLY-HEREN	NATURAL GAS-NBP MONTHLY-H	-	-
NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-NBP-DAY AHEAD	-	-
NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-NBP-DAY AHEAD	-	-
NATURAL GAS-NBP-DAY AHEAD INDEX-HEREN	NATURAL GAS-NBP-DAY AHEAD	-	-
NATURAL GAS-NBP-DAY AHEAD-ARGUS EUROPEAN NAT GAS	NATURAL GAS-NBP-DAY AHEAD	-	-
NATURAL GAS-NBP-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-NBP-MONTH AHE	-	-
NATURAL GAS-NBP-PLATTS ENGR	NATURAL GAS-NBP-PLATTS EN	-	-
NATURAL GAS-NBPL (VENTURA TP)-INSIDE FERC	NATURAL GAS-NBPL (VENTURA	-	-
NATURAL GAS-NCG DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-NCG DAY AHEAD	-	-
NATURAL GAS-NCG DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-EEX	NATURAL GAS-NCG DAY AHEAD	-	-
NATURAL GAS-NCG DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-NCG DAY AHEAD	-	-
NATURAL GAS-NCG MONTHLY AVERAGE-EEX	NATURAL GAS-NCG MONTHLY A	-	-
NATURAL GAS-NCG-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-NCG-DAY AHEAD	-	-
NATURAL GAS-NCG-MONTH AHEAD INDEX-LEBA	NATURAL GAS-NCG-MONTH AHE	-	-
NATURAL GAS-NCG-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-NCG-MONTH AHE	-	-
NATURAL GAS-NCG-MONTHLY PRICE-HEREN	NATURAL GAS-NCG-MONTHLY P	-	-
NATURAL GAS-NEW MEXICO (EL PASO, BONDAD)-GAS DAILY	NATURAL GAS-NEW MEXICO (E	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-NEW MEXICO (EL PASO, SAN JUAN)-GAS DAILY	NATURAL GAS-NEW MEXICO (E	-	-
NATURAL GAS-NGPL (LOUISIANA)-INSIDE FERC	NATURAL GAS-NGPL (LOUISIA	-	-
NATURAL GAS-NGPL (NICOR, NIPSCO, PGLC CITYGATE), NBPL-NICOR-MONTH AHEAD-ICE	NATURAL GAS-NGPL (NICOR,	-	-
NATURAL GAS-NGPL (SOUTH TEXAS)-INSIDE FERC	NATURAL GAS-NGPL (SOUTH T	-	-
NATURAL GAS-NGPL (TEXOK)-INSIDE FERC	NATURAL GAS-NGPL (TEXOK)-	-	-
NATURAL GAS-NGPL-AMARILLO-DAY AHEAD-ICE	NATURAL GAS-NGPL-AMARILLO	-	-
NATURAL GAS-NGPL-LA POOL-DAY AHEAD-ICE	NATURAL GAS-NGPL-LA POOL-	-	-
NATURAL GAS-NGPL-MIDCONT-DAY AHEAD-ICE	NATURAL GAS-NGPL-MIDCONT-	-	-
NATURAL GAS-NGPL-STX-DAY AHEAD-ICE	NATURAL GAS-NGPL-STX-DAY	-	-
NATURAL GAS-NGX AB-NIT BIDWEEK (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT BI	-	-
NATURAL GAS-NGX AB-NIT BIDWEEK (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT BI	-	-
NATURAL GAS-NGX AB-NIT DAY AHEAD (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT DA	-	-
NATURAL GAS-NGX AB-NIT DAY AHEAD (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT DA	-	-
NATURAL GAS-NGX AB-NIT MONTH AHEAD INDEX 7A (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT MO	-	-
NATURAL GAS-NGX AB-NIT MONTH AHEAD INDEX 7A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT MO	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 2A (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 2A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 2A ARITHMETIC AVG FOR MONTH (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 2A ARITHMETIC AVG FOR MONTH (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-NGX AB-NIT SAME DAY 4A (C\$/GJ)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 4A (US\$/MMBTU)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 5A (C\$/GJ)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY 5A (US\$/MMBTU)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY INDEX 5A (C\$/GJ)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX AB-NIT SAME DAY INDEX 5A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA	-	-
NATURAL GAS-NGX EMPRESS (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX EMPRESS (-	-
NATURAL GAS-NGX EMPRESS (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX EMPRESS (-	-
NATURAL GAS-NGX SPECTRA ST 2 DAY AHEAD (C\$/GJ)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX SPECTRA S	-	-
NATURAL GAS-NGX SPECTRA ST 2 DAY AHEAD (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX SPECTRA S	-	-
NATURAL GAS-NGX UNION DAWN (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX UNION DAW	-	-
NATURAL GAS-NGX UNION DAWN (US\$/MMBTU)- CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX UNION DAW	-	-
NATURAL GAS-NIAGARA (\$US/MMBTU)-NGX	NATURAL GAS-NIAGARA (\$US/	-	-
NATURAL GAS-NNG (DEMARCATIION)-INSIDE FERC	NATURAL GAS-NNG (DEMARCAT	-	-
NATURAL GAS-NNG (VENTURA)-INSIDE FERC	NATURAL GAS-NNG (VENTURA)	-	-
NATURAL GAS-NORTHEAST (ALGONQUIN CITY-GATE)- INSIDE FERC	NATURAL GAS-NORTHEAST (AL	-	-
NATURAL GAS-NORTHEAST (IROQUOIS ZONE 2)-INSIDE FERC	NATURAL GAS-NORTHEAST (IR	-	-
NATURAL GAS-NORTHEAST (LEBANON HUB)-INSIDE FERC	NATURAL GAS-NORTHEAST (LE	-	-
NATURAL GAS-NORTHEAST (NIAGARA)-INSIDE FERC	NATURAL GAS-NORTHEAST (NI	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-NORTHEAST (TENNESSEE ZONE 6 DELIVERED)-INSIDE FERC	NATURAL GAS-NORTHEAST (TE	-	-
NATURAL GAS-NORTHEAST (TEXAS EASTERN ZONE M-3)-INSIDE FERC	NATURAL GAS-NORTHEAST (TE	-	-
NATURAL GAS-NORTHEAST (TRANSCO ZONE 6 N.Y.)-INSIDE FERC	NATURAL GAS-NORTHEAST (TR	-	-
NATURAL GAS-NORTHEAST (TRANSCO ZONE 6 NON-N.Y.)-INSIDE FERC	NATURAL GAS-NORTHEAST (TR	-	-
NATURAL GAS-NORTHERN NATURAL GAS & NORTHERN BORDER (TRANSFER POINT) AT VENTURA-MONTH AHEAD-ICE	NATURAL GAS-NORTHERN NATU	-	-
NATURAL GAS-NORTHERN NATURAL GAS-DEMARCATIION-MONTH AHEAD-ICE	NATURAL GAS-NORTHERN NATU	-	-
NATURAL GAS-NORTHWEST PIPELINE CORP.-ROCKY MOUNTAIN POOL-MONTH AHEAD-ICE	NATURAL GAS-NORTHWEST PIP	-	-
NATURAL GAS-NORTHWEST PIPELINE CORP.-WYOMING POOL-MONTH AHEAD-ICE	NATURAL GAS-NORTHWEST PIP	-	-
NATURAL GAS-NWP-ROCKY MTN-DAY AHEAD-ICE	NATURAL GAS-NWP-ROCKY MTN	-	-
NATURAL GAS-NWP-WYOMING-DAY AHEAD-ICE	NATURAL GAS-NWP-WYOMING-D	-	-
NATURAL GAS-NWPL (CANADIAN BORDER)-INSIDE FERC	NATURAL GAS-NWPL (CANADIA	-	-
NATURAL GAS-NWPL (ROCKY MOUNTAINS)-INSIDE FERC	NATURAL GAS-NWPL (ROCKY M	-	-
NATURAL GAS-NYMEX	NATURAL GAS-NYMEX	-	-
NATURAL GAS-OCM	NATURAL GAS-OCM	-	-
NATURAL GAS-OKLAHOMA (ANR)-GAS DAILY	NATURAL GAS-OKLAHOMA (ANR	-	-
NATURAL GAS-OKLAHOMA (CENTERPOINT EAST)-GAS DAILY	NATURAL GAS-OKLAHOMA (CEN	-	-
NATURAL GAS-OKLAHOMA (NGPL)-GAS DAILY	NATURAL GAS-OKLAHOMA (NGP	-	-
NATURAL GAS-OKLAHOMA (ONEOK, OKLA)-GAS DAILY	NATURAL GAS-OKLAHOMA (ONE	-	-
NATURAL GAS-OKLAHOMA (PANHANDLE)-GAS DAILY	NATURAL GAS-OKLAHOMA (PAN	-	-
NATURAL GAS-OKLAHOMA (SOUTHERN STAR, TX-OKLA-KAN)-GAS DAILY	NATURAL GAS-OKLAHOMA (SOU	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-ONEOK GAS TRANSPORTATION-MONTH AHEAD-ICE	NATURAL GAS-ONEOK GAS TRA	-	-
NATURAL GAS-ONEOK-DAY AHEAD-ICE	NATURAL GAS-ONEOK-DAY AHE	-	-
NATURAL GAS-ONG (OKLAHOMA)-INSIDE FERC	NATURAL GAS-ONG (OKLAHOMA	-	-
NATURAL GAS-OPAL PLANT TAILGATE-MONTH AHEAD-ICE	NATURAL GAS-OPAL PLANT TA	-	-
NATURAL GAS-OPAL-DAY AHEAD-ICE	NATURAL GAS-OPAL-DAY AHEA	-	-
NATURAL GAS-OTHERS (ALGONQUIN, RECEIPTS)-GAS DAILY	NATURAL GAS-OTHERS (ALGON	-	-
NATURAL GAS-OTHERS (ALLIANCE, INTO INTERSTATES)-GAS DAILY	NATURAL GAS-OTHERS (ALLIA	-	-
NATURAL GAS-OTHERS (ANR ML 7)-GAS DAILY	NATURAL GAS-OTHERS (ANR M	-	-
NATURAL GAS-OTHERS (DEMARICATION)-GAS DAILY	NATURAL GAS-OTHERS (DEMAR	-	-
NATURAL GAS-OTHERS (DRACUT)-GAS DAILY	NATURAL GAS-OTHERS (DRACU	-	-
NATURAL GAS-OTHERS (EP SOUTH MAINLINE)-GAS DAILY	NATURAL GAS-OTHERS (EP SO	-	-
NATURAL GAS-OTHERS (NBPL VENTURA TP)-GAS DAILY	NATURAL GAS-OTHERS (NBPL	-	-
NATURAL GAS-OTHERS (NGPL AMARILLO RECEIPT)-GAS DAILY	NATURAL GAS-OTHERS (NGPL	-	-
NATURAL GAS-OTHERS (PG&E MALIN)-GAS DAILY	NATURAL GAS-OTHERS (PG&E	-	-
NATURAL GAS-OTHERS (PG&E SOUTH)-GAS DAILY	NATURAL GAS-OTHERS (PG&E	-	-
NATURAL GAS-OTHERS (SOCAL GAS)-GAS DAILY	NATURAL GAS-OTHERS (SOCAL	-	-
NATURAL GAS-OTHERS (TEXAS EASTERN M-I, 24-INCH)-GAS DAILY	NATURAL GAS-OTHERS (TEXAS	-	-
NATURAL GAS-OTHERS (TRUNKLINE ZONE 1A)-GAS DAILY	NATURAL GAS-OTHERS (TRUNK	-	-
NATURAL GAS-OTHERS (VENTURA)-GAS DAILY	NATURAL GAS-OTHERS (VENTU	-	-
NATURAL GAS-PACIFIC GAS TRANSMISSION-MALIN POOL-MONTH AHEAD-ICE	NATURAL GAS-PACIFIC GAS T	-	-
NATURAL GAS-PACIFIC GAS TRANSMISSION-STANFIELD POOL-MONTH AHEAD-ICE	NATURAL GAS-PACIFIC GAS T	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-PANHANDLE EASTERN PIPE LINE CO.-POOL GAS-MONTH AHEAD-ICE	NATURAL GAS-PANHANDLE EAS	-	-
NATURAL GAS-PANHANDLE-DAY AHEAD-ICE	NATURAL GAS-PANHANDLE-DAY	-	-
NATURAL GAS-PEG NORTH DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-PEG NORTH DAY	-	-
NATURAL GAS-PEG NORTH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-PEG NORTH DAY	-	-
NATURAL GAS-PEG NORTH-MONTH AHEAD INDEX-LEBA	NATURAL GAS-PEG NORTH-MON	-	-
NATURAL GAS-PEG SOUTH DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-PEG SOUTH DAY	-	-
NATURAL GAS-PEG SOUTH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-PEG SOUTH DAY	-	-
NATURAL GAS-PEG SOUTH-MONTH AHEAD INDEX-LEBA	NATURAL GAS-PEG SOUTH-MON	-	-
NATURAL GAS-PEPL (TEXOK MAINLINE)-INSIDE FERC	NATURAL GAS-PEPL (TEXOK M	-	-
NATURAL GAS-PERMIAN BASIN (EL PASO)-GAS DAILY	NATURAL GAS-PERMIAN BASIN	-	-
NATURAL GAS-PERMIAN BASIN (TRANSWESTERN)-GAS DAILY	NATURAL GAS-PERMIAN BASIN	-	-
NATURAL GAS-PERMIAN BASIN (WAHA)-GAS DAILY	NATURAL GAS-PERMIAN BASIN	-	-
NATURAL GAS-PG&E-CITYGATE-DAY AHEAD-ICE	NATURAL GAS-PG&E-CITYGATE	-	-
NATURAL GAS-PG&E-CITYGATE-MONTH AHEAD-ICE	NATURAL GAS-PG&E-CITYGATE	-	-
NATURAL GAS-PG&E-TOPOCK-MONTH AHEAD-ICE	NATURAL GAS-PG&E-TOPOCK-M	-	-
NATURAL GAS-PSV DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-PSV DAY AHEAD	-	-
NATURAL GAS-PSV DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-PSV DAY AHEAD	-	-
NATURAL GAS-PSV-MONTH AHEAD INDEX-LEBA	NATURAL GAS-PSV-MONTH AHE	-	-
NATURAL GAS-QUESTAR (ROCKY MOUNTAINS)-INSIDE FERC	NATURAL GAS-QUESTAR (ROCK	-	-
NATURAL GAS-ROCKIES (CHEYENNE HUB)-GAS DAILY	NATURAL GAS-ROCKIES (CHEY	-	-
NATURAL GAS-ROCKIES (CIG ROCKY MOUNTAINS)-GAS DAILY	NATURAL GAS-ROCKIES (CIG	-	-

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NATURAL GAS-ROCKIES (KERN RIVER, OPAL PLANT)-GAS DAILY	NATURAL GAS-ROCKIES (KERN	-	-
NATURAL GAS-ROCKIES (NORTHWEST, S. OF GREEN RIVER)-GAS DAILY	NATURAL GAS-ROCKIES (NORT	-	-
NATURAL GAS-ROCKIES (NORTHWEST, WYO. POOL)-GAS DAILY	NATURAL GAS-ROCKIES (NORT	-	-
NATURAL GAS-ROCKIES (QUESTAR RM)-GAS DAILY	NATURAL GAS-ROCKIES (QUES	-	-
NATURAL GAS-ROCKIES (STANFIELD ORE.)-GAS DAILY	NATURAL GAS-ROCKIES (STAN	-	-
NATURAL GAS-ROCKIES/NW (AECO-C)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (A	-	-
NATURAL GAS-ROCKIES/NW (CHEYENNE HUB)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (C	-	-
NATURAL GAS-ROCKIES/NW (STANFIELD)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (S	-	-
NATURAL GAS-S. LOUISIANA (HENRY HUB)-INSIDE FERC	NATURAL GAS-S. LOUISIANA	-	-
NATURAL GAS-SOCAL BORDER-DAY AHEAD-ICE	NATURAL GAS-SOCAL BORDER-	-	-
NATURAL GAS-SONAT-TI-DAY AHEAD-ICE	NATURAL GAS-SONAT-TI-DAY	-	-
NATURAL GAS-SOUTH-CORPUS CHRISTI (AGUA DULCE HUB)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS	-	-
NATURAL GAS-SOUTH-CORPUS CHRISTI (NGPL STX)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS	-	-
NATURAL GAS-SOUTH-CORPUS CHRISTI (TENNESSEE ZONE 0)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS	-	-
NATURAL GAS-SOUTH-CORPUS CHRISTI (TEXAS EASTERN STX)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS	-	-
NATURAL GAS-SOUTH-CORPUS CHRISTI (TRANSCO ZONE 1)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS	-	-
NATURAL GAS-SOUTHERN CALIFORNIA BORDER (EHRENBERG, TOPOCK, NEEDLES, WHEELER, KRS, STOR/PROD, KRAMER)-MONTH AHEAD-ICE	NATURAL GAS-SOUTHERN CALI	-	-
NATURAL GAS-SOUTHERN NATURAL (LOUISIANA)-INSIDE FERC	NATURAL GAS-SOUTHERN NATU	-	-
NATURAL GAS-SOUTHERN NATURAL GAS CO.-TIER I POOL-MONTH AHEAD-ICE	NATURAL GAS-SOUTHERN NATU	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-SOUTHERN STAR (TEX/OKLA/KAN)-INSIDE FERC	NATURAL GAS-SOUTHERN STAR	-	-
NATURAL GAS-STANFIELD-DAY AHEAD-ICE	NATURAL GAS-STANFIELD-DAY	-	-
NATURAL GAS-STATION #2 (\$CAD/GJ)-NGX	NATURAL GAS-STATION #2 (\$	-	-
NATURAL GAS-STATION 2-DAY AHEAD-ICE	NATURAL GAS-STATION 2-DAY	-	-
NATURAL GAS-TENNESSEE GAS (LOUISIANA, 500 LEG)-INSIDE FERC	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS (LOUISIANA, 800 LEG)-INSIDE FERC	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS (TEXAS ZONE 0)-INSIDE FERC	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE 0-MONTH AHEAD-ICE	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE 6, 200 LINE (DELIVERED)-MONTH AHEAD-ICE	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE L, 500 LEG POOL-MONTH AHEAD-ICE	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE L, 800 LEG POOL-MONTH AHEAD-ICE	NATURAL GAS-TENNESSEE GAS	-	-
NATURAL GAS-TETCO (E. LOUISIANA ZONE)-INSIDE FERC	NATURAL GAS-TETCO (E. LOU	-	-
NATURAL GAS-TETCO (E. TEXAS ZONE)-INSIDE FERC	NATURAL GAS-TETCO (E. TEX	-	-
NATURAL GAS-TETCO (M-I ZONE)-INSIDE FERC	NATURAL GAS-TETCO (M-I ZO	-	-
NATURAL GAS-TETCO (S. TEXAS ZONE)-INSIDE FERC	NATURAL GAS-TETCO (S. TEX	-	-
NATURAL GAS-TETCO (W. LOUISIANA ZONE)-INSIDE FERC	NATURAL GAS-TETCO (W. LOU	-	-
NATURAL GAS-TETCO-ELA-DAY AHEAD-ICE	NATURAL GAS-TETCO-ELA-DAY	-	-
NATURAL GAS-TETCO-MI-DAY AHEAD-ICE	NATURAL GAS-TETCO-MI-DAY	-	-
NATURAL GAS-TETCO-M3-DAY AHEAD-ICE	NATURAL GAS-TETCO-M3-DAY	-	-
NATURAL GAS-TETCO-STX-DAY AHEAD-ICE	NATURAL GAS-TETCO-STX-DAY	-	-
NATURAL GAS-TETCO-WLA-DAY AHEAD-ICE	NATURAL GAS-TETCO-WLA-DAY	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-TEX/OKLA/KAN (NNG)-INSIDE FERC	NATURAL GAS-TEX/OKLA/KAN	-	-
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- EAST LA-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN	-	-
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- MI 30 & 24 INCH-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN	-	-
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- WEST LA-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN	-	-
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- SOUTH TEXAS ZONE-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN	-	-
NATURAL GAS-TEXAS EASTERN-M3 ZONE-MONTH AHEAD- ICE	NATURAL GAS-TEXAS EASTERN	-	-
NATURAL GAS-TEXAS GAS TRANSMISSION CORP.- ZONE I FT POOL-MONTH AHEAD-ICE	NATURAL GAS-TEXAS GAS TRA	-	-
NATURAL GAS-TEXAS GAS TRANSMISSION CORP.- ZONE SL FT POOL-MONTH AHEAD-ICE	NATURAL GAS-TEXAS GAS TRA	-	-
NATURAL GAS-TGP-500L-DAY AHEAD-ICE	NATURAL GAS-TGP-500L-DAY	-	-
NATURAL GAS-TGP-800L-DAY AHEAD-ICE	NATURAL GAS-TGP-800L-DAY	-	-
NATURAL GAS-TGP-Z0-DAY AHEAD-ICE	NATURAL GAS-TGP-Z0-DAY AH	-	-
NATURAL GAS-TGP-Z6 200L-DAY AHEAD-ICE	NATURAL GAS-TGP-Z6 200L-D	-	-
NATURAL GAS-TGT (ZONE I)-INSIDE FERC	NATURAL GAS-TGT (ZONE I)-	-	-
NATURAL GAS-TGT (ZONE SL)-INSIDE FERC	NATURAL GAS-TGT (ZONE SL)	-	-
NATURAL GAS-TGT-NGPL-TXOK-DAY AHEAD-ICE	NATURAL GAS-TGT-NGPL-TXOK	-	-
NATURAL GAS-TGT-SL (FT)-DAY AHEAD-ICE	NATURAL GAS-TGT-SL (FT)-D	-	-
NATURAL GAS-TGT-ZI(FT)-DAY AHEAD-ICE	NATURAL GAS-TGT-ZI(FT)-DA	-	-
NATURAL GAS-TRANSCO (ZONE 1)-INSIDE FERC	NATURAL GAS-TRANSCO (ZONE	-	-
NATURAL GAS-TRANSCO (ZONE 2)-INSIDE FERC	NATURAL GAS-TRANSCO (ZONE	-	-
NATURAL GAS-TRANSCO (ZONE 3)-INSIDE FERC	NATURAL GAS-TRANSCO (ZONE	-	-
NATURAL GAS-TRANSCO ZONE 4-GAS DAILY	NATURAL GAS-TRANSCO ZONE	-	-
NATURAL GAS-TRANSCO-30-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-30-DA	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-TRANSCO-45-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-45-DA	-	-
NATURAL GAS-TRANSCO-65-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-65-DA	-	-
NATURAL GAS-TRANSCO-85-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-85-DA	-	-
NATURAL GAS-TRANSCO-Z6 (NON-NY)-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-Z6 (N	-	-
NATURAL GAS-TRANSCO-Z6 (NY)-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-Z6 (N	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE CORP.-ZONE 5 DELIVERED (NON-WASH.GAS LIGHT)- MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- STATION 30 (ZONE 1)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- STATION 45 (ZONE 2)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- STATION 65 (ZONE 3)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- STATION 85 (ZONE 4)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- ZONE 6 (NON-NY)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.- ZONE 6 (NY)-MONTH AHEAD-ICE	NATURAL GAS-TRANSCONTINEN	-	-
NATURAL GAS-TRANSWESTERN (PERMIAN BASIN)-INSIDE FERC	NATURAL GAS-TRANSWESTERN	-	-
NATURAL GAS-TRUNKLINE (LOUISIANA)-INSIDE FERC	NATURAL GAS-TRUNKLINE (LO	-	-
NATURAL GAS-TRUNKLINE (ZONE 1A)-INSIDE FERC	NATURAL GAS-TRUNKLINE (ZO	-	-
NATURAL GAS-TRUNKLINE GAS COMPANY-EAST LOUISIANA POOL-MONTH AHEAD-ICE	NATURAL GAS-TRUNKLINE GAS	-	-
NATURAL GAS-TRUNKLINE GAS COMPANY-WEST LOUISIANA POOL-MONTH AHEAD-ICE	NATURAL GAS-TRUNKLINE GAS	-	-
NATURAL GAS-TRUNKLINE-ELA-DAY AHEAD-ICE	NATURAL GAS-TRUNKLINE-ELA	-	-
NATURAL GAS-TRUNKLINE-WLA-DAY AHEAD-ICE	NATURAL GAS-TRUNKLINE-WLA	-	-
NATURAL GAS-TTF DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-TTF DAY AHEAD	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-TTF DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-TTF DAY AHEAD	-	-
NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-TTF-DAY AHEAD	-	-
NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-TTF-DAY AHEAD	-	-
NATURAL GAS-TTF-MONTH AHEAD INDEX-LEBA	NATURAL GAS-TTF-MONTH AHE	-	-
NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-TTF-MONTH AHE	-	-
NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-TTF-MONTH AHE	-	-
NATURAL GAS-TTF-MONTH AHEAD-ENDEX	NATURAL GAS-TTF-MONTH AHE	-	-
NATURAL GAS-TTF-PLATTS ENGR	NATURAL GAS-TTF-PLATTS EN	-	-
NATURAL GAS-UK MONTHLY-ICE	NATURAL GAS-UK MONTHLY-IC	-	-
NATURAL GAS-UNION DAWN (\$US/MMBTU)-NGX	NATURAL GAS-UNION DAWN (\$	-	-
NATURAL GAS-UNION GAS-DAWN-MONTH AHEAD-ICE	NATURAL GAS-UNION GAS-DAW	-	-
NATURAL GAS-UPPER MIDWEST (ANR ML 7)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST	-	-
NATURAL GAS-UPPER MIDWEST (CHICAGO CITY-GATES)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST	-	-
NATURAL GAS-UPPER MIDWEST (CONSUMERS ENERGY CITY-GATES)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST	-	-
NATURAL GAS-UPPER MIDWEST (DAWN ONTARIO)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST	-	-
NATURAL GAS-UPPER MIDWEST (MICH CON CITY-GATE)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST	-	-
NATURAL GAS-VENTURA-DAY AHEAD-ICE	NATURAL GAS-VENTURA-DAY A	-	-
NATURAL GAS-W. TEXAS (WAHA)-INSIDE FERC	NATURAL GAS-W. TEXAS (WAH	-	-
NATURAL GAS-W. TEXAS (WAHA)-NGI	NATURAL GAS-W. TEXAS (WAH	-	-
NATURAL GAS-WAHA HUB-WEST TEXAS-MONTH AHEAD-ICE	NATURAL GAS-WAHA HUB-WEST	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NATURAL GAS-WAHA-DAY AHEAD-ICE	NATURAL GAS-WAHA-DAY AHEA	-	-
NATURAL GAS-WESTCOAST ENERGY & NORTHWEST PIPELINE CORP. (CDN BORDER)-MONTH AHEAD-ICE	NATURAL GAS-WESTCOAST ENE	-	-
NATURAL GAS-WESTCOAST ENERGY INC-STATION 2-MONTH AHEAD-ICE	NATURAL GAS-WESTCOAST ENE	-	-
NATURAL GAS-WYOMING INTERSTATE COMPANY-POOL-MONTH AHEAD-ICE	NATURAL GAS-WYOMING INTER	-	-
NATURAL GAS-ZEEBRUGGE DAY AHEAD AND WEEKEND -LEBA	NATURAL GAS-ZEEBRUGGE DAY	-	-
NATURAL GAS-ZEEBRUGGE DAY AHEAD WINDOW AND WEEKEND WINDOW -LEBA	NATURAL GAS-ZEEBRUGGE DAY	-	-
NATURAL GAS-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-ZEEBRUGGE HUB	-	-
NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE - ARGUS EUROPEAN NAT GAS	NATURAL GAS-ZEEBRUGGE-DAY	-	-
NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-ZEEBRUGGE-DAY	-	-
NATURAL GAS-ZEEBRUGGE-DAY AHEAD BASE INDEX-DOW JONES NAT GAS	NATURAL GAS-ZEEBRUGGE-DAY	-	-
NATURAL GAS-ZEEBRUGGE-MONTH AHEAD INDEX-LEBA	NATURAL GAS-ZEEBRUGGE-MON	-	-
NATURAL GAS-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-ZEEBRUGGE-MON	-	-
NATURAL GAS-ZEEBRUGGE-WEEKEND BASE INDEX-DOW JONES NAT GAS	NATURAL GAS-ZEEBRUGGE-WEE	-	-
NATURAL GAS-ZIG INDEX-DOW JONES NAT GAS	NATURAL GAS-ZIG INDEX-DOW	-	-
NATURAL GAS-ZONE 4 (TRANSCO)INSIDE FERC	NATURAL GAS-ZONE 4 (TRANS	-	-
NEWSPRINT 30LB EAST PPW	NEWSPRINT 30LB EAST PPW	-	-
NEWSPRINT 48.8 GSM US PAPER TRADER	NEWSPRINT 48.8 GSM US PAPE	-	-
NEWSPRINT 45G PPI GERMANY	NEWSPRINT 45G PPI GERMANY	-	-
NEWSPRINT 60G PPI GERMANY	NEWSPRINT 60G PPI GERMANY	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-BUSHTON ETHANE (IN E-P) KM-OPIS	NGL-BUSHTON ETHANE (IN E-	-	-
NGL-BUSHTON ETHANE (IN E-P) KM-OUT MONTH-OPIS	NGL-BUSHTON ETHANE (IN E-	-	-
NGL-BUSHTON ETHANE (IN E-P) KM-PROMPT MONTH-OPIS	NGL-BUSHTON ETHANE (IN E-	-	-
NGL-BUSHTON ISOBUTANE KM-OPIS	NGL-BUSHTON ISOBUTANE KM-	-	-
NGL-BUSHTON ISOBUTANE KM-OUT MONTH-OPIS	NGL-BUSHTON ISOBUTANE KM-	-	-
NGL-BUSHTON ISOBUTANE KM-PROMPT MONTH-OPIS	NGL-BUSHTON ISOBUTANE KM-	-	-
NGL-BUSHTON N. Butane KM-OPIS	NGL-BUSHTON N. Butane KM-	-	-
NGL-BUSHTON N. Butane KM-OUT MONTH-OPIS	NGL-BUSHTON N. Butane KM-	-	-
NGL-BUSHTON N. Butane KM-PROMPT MONTH-OPIS	NGL-BUSHTON N. Butane KM-	-	-
NGL-BUSHTON N. GASOLINE KM-OPIS	NGL-BUSHTON N. GASOLINE K	-	-
NGL-BUSHTON N. GASOLINE KM-OUT MONTH-OPIS	NGL-BUSHTON N. GASOLINE K	-	-
NGL-BUSHTON N. GASOLINE KM-PROMPT MONTH-OPIS	NGL-BUSHTON N. GASOLINE K	-	-
NGL-BUSHTON PROPANE KM-OPIS	NGL-BUSHTON PROPANE KM-OP	-	-
NGL-BUSHTON PROPANE KM-OUT MONTH-OPIS	NGL-BUSHTON PROPANE KM-OU	-	-
NGL-BUSHTON PROPANE KM-PROMPT MONTH-OPIS	NGL-BUSHTON PROPANE KM-PR	-	-
NGL-BUTANE (ASIA-PACIFIC REFRIGERATED CARGOES)- ARGUS INTERNATIONAL LPG	NGL-BUTANE (ASIA-PACIFIC	-	-
NGL-BUTANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE; CIF A	-	-
NGL-BUTANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: CIF A	-	-
NGL-BUTANE (EUROPE: CIF MEDITERRANEAN LARGE)- ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: CIF M	-	-
NGL-BUTANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FCA A	-	-
NGL-BUTANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FOB A	-	-
NGL-BUTANE (EUROPE: FOB NORTHWEST EUROPE SMALL)- ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FOB N	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OPIS	NGL-CANADIAN FIELD GRADE	-	-
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OUT MONTH-OPIS	NGL-CANADIAN FIELD GRADE	-	-
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN FIELD GRADE	-	-
NGL-CANADIAN ISOBUTANE (SARNIA)-OPIS	NGL-CANADIAN ISOBUTANE (S	-	-
NGL-CANADIAN ISOBUTANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN ISOBUTANE (S	-	-
NGL-CANADIAN ISOBUTANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN ISOBUTANE (S	-	-
NGL-CANADIAN N, GASOLINE (EDMONTON)-OUT MONTH-OPIS	NGL-CANADIAN N, GASOLINE	-	-
NGL-CANADIAN N, GASOLINE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN N, GASOLINE	-	-
NGL-CANADIAN N. BUTANE (SARNIA)-OPIS	NGL-CANADIAN N. BUTANE (S	-	-
NGL-CANADIAN N. BUTANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN N. BUTANE (S	-	-
NGL-CANADIAN N. BUTANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN N. BUTANE (S	-	-
NGL-CANADIAN N. GASOLINE (EDMONTON)-OPIS	NGL-CANADIAN N. GASOLINE	-	-
NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-OPIS	NGL-CANADIAN N. GASOLINE	-	-
NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-OUT MONTH-OPIS	NGL-CANADIAN N. GASOLINE	-	-
NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN N. GASOLINE	-	-
NGL-CANADIAN PROPANE (EDMONTON)-OPIS	NGL-CANADIAN PROPANE (EDM	-	-
NGL-CANADIAN PROPANE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN PROPANE (EDM	-	-
NGL-CANADIAN PROPANE (SARNIA)-OPIS	NGL-CANADIAN PROPANE (SAR	-	-
NGL-CANADIAN PROPANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN PROPANE (SAR	-	-
NGL-CANADIAN PROPANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN PROPANE (SAR	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-CONWAY ETHANE IN E-P (IN-LINE)-OUT MONTH- OPIS	NGL-CONWAY ETHANE IN E-P	-	-
NGL-CONWAY ETHANE IN E-P (IN-LINE)-PROMPT MONTH- OPIS	NGL-CONWAY ETHANE IN E-P	-	-
NGL-CONWAY ETHANE IN E-P (IN-WELL)-OPIS	NGL-CONWAY ETHANE IN E-P	-	-
NGL-CONWAY ETHANE IN E-P (IN-WELL)-OUT MONTH- OPIS	NGL-CONWAY ETHANE IN E-P	-	-
NGL-CONWAY ETHANE IN E-P (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY ETHANE IN E-P	-	-
NGL-CONWAY ETHANE IN E-P(IN-LINE)-OPIS	NGL-CONWAY ETHANE IN E-P(-	-
NGL-CONWAY ISOBUTANE (IN-LINE)-OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY ISOBUTANE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY ISOBUTANE (IN-LINE)-PROMPT MONTH- OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY ISOBUTANE (IN-WELL)-OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY ISOBUTANE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY ISOBUTANE (IN-WELL)-PROMPT MONTH- OPIS	NGL-CONWAY ISOBUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-LINE)-OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-LINE)-PROMPT MONTH- OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-WELL)-OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-WELL)-OUT MONTH OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. BUTANE (IN-WELL)-PROMPT MONTH OPIS	NGL-CONWAY N. BUTANE (IN-	-	-
NGL-CONWAY N. GASOLINE (IN-LINE)-OPIS	NGL-CONWAY N. GASOLINE (I	-	-
NGL-CONWAY N. GASOLINE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY N. GASOLINE (I	-	-
NGL-CONWAY N. GASOLINE (IN-LINE)-PROMT MONTH- OPIS	NGL-CONWAY N. GASOLINE (I	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-CONWAY N. GASOLINE (IN-WELL)-OPIS	NGL-CONWAY N. GASOLINE (I	-	-
NGL-CONWAY N. GASOLINE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY N. GASOLINE (I	-	-
NGL-CONWAY N. GASOLINE (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY N. GASOLINE (I	-	-
NGL-CONWAY PROPANE (IN-LINE)-OPIS	NGL-CONWAY PROPANE (IN-LI	-	-
NGL-CONWAY PROPANE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY PROPANE (IN-LI	-	-
NGL-CONWAY PROPANE (IN-LINE)-PROMPT MONTH-OPIS	NGL-CONWAY PROPANE (IN-LI	-	-
NGL-CONWAY PROPANE (IN-WELL)-OPIS	NGL-CONWAY PROPANE (IN-WE	-	-
NGL-CONWAY PROPANE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY PROPANE (IN-WE	-	-
NGL-CONWAY PROPANE (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY PROPANE (IN-WE	-	-
NGL-GEISMAR/SORRENTO ISOBUTANE-OPIS	NGL-GEISMAR/SORRENTO ISOB	-	-
NGL-GEISMAR/SORRENTO ISOBUTANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO ISOB	-	-
NGL-GEISMAR/SORRENTO ISOBUTANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO ISOB	-	-
NGL-GEISMAR/SORRENTO N. BUTANE- OPIS	NGL-GEISMAR/SORRENTO N. B	-	-
NGL-GEISMAR/SORRENTO N. BUTANE- PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. B	-	-
NGL-GEISMAR/SORRENTO N. BUTANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. B	-	-
NGL-GEISMAR/SORRENTO N. GASOLINE-OPIS	NGL-GEISMAR/SORRENTO N. G	-	-
NGL-GEISMAR/SORRENTO N. GASOLINE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. G	-	-
NGL-GEISMAR/SORRENTO N. GASOLINE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. G	-	-
NGL-GEISMAR/SORRENTO PROPANE-OPIS	NGL-GEISMAR/SORRENTO PROP	-	-
NGL-GEISMAR/SORRENTO PROPANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO PROP	-	-
NGL-GEISMAR/SORRENTO PROPANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO PROP	-	-
NGL-GEISMAR/SORRENTO PURITY ETHANE-OPIS	NGL-GEISMAR/SORRENTO PURI	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-GEISMAR/SORRENTO PURITY ETHANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO PURI	-	-
NGL-GEISMAR/SORRENTO PURITY ETHANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO PURI	-	-
NGL-HATTIESBURG PROPANE (IN-LINE)-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-HATTIESBURG PROPANE (IN-LINE)-OUT MONTH-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-HATTIESBURG PROPANE (IN-LINE)-PROMPT MONTH-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-HATTIESBURG PROPANE (STORAGE)-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-HATTIESBURG PROPANE (STORAGE)-OUT MONTH-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-HATTIESBURG PROPANE (STORAGE)-PROMPT MONTH-OPIS	NGL-HATTIESBURG PROPANE (-	-
NGL-MONT BELVIEU EP MIX-OPIS	NGL-MONT BELVIEU EP MIX-O	-	-
NGL-MONT BELVIEU EP MIX-OUT MONTH-OPIS	NGL-MONT BELVIEU EP MIX-O	-	-
NGL-MONT BELVIEU EP MIX-PROMPT MONTH-OPIS	NGL-MONT BELVIEU EP MIX-P	-	-
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (TET)-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU ISOBUTANE (TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (NON-TET)-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-MONT BELVIEU N. BUTANE (NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (TET)-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. BUTANE (TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. BUTAN	-	-
NGL-MONT BELVIEU N. GASOLINE (NON-TET)-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (TET)-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU N. GASOLINE (TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL	-	-
NGL-MONT BELVIEU OTHER NON-TET E-P MIX-OPIS	NGL-MONT BELVIEU OTHER NO	-	-
NGL-MONT BELVIEU OTHER NON-TET E-P MIX-OUT MONTH-OPIS	NGL-MONT BELVIEU OTHER NO	-	-
NGL-MONT BELVIEU OTHER NON-TET E-P MIX-PROMPT MONTH-OPIS	NGL-MONT BELVIEU OTHER NO	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-MONT BELVIEU PROPANE (NON-TET)-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (NON-TET)-OUT MONTH- OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (TET)-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PROPANE (TET)-PROMPT MONTH- OPIS	NGL-MONT BELVIEU PROPANE	-	-
NGL-MONT BELVIEU PURITY ETHANE-OPIS	NGL-MONT BELVIEU PURITY E	-	-
NGL-MONT BELVIEU PURITY ETHANE-OUT MONTH-OPIS	NGL-MONT BELVIEU PURITY E	-	-
NGL-MONT BELVIEU PURITY ETHANE-PROMPT MONTH- OPIS	NGL-MONT BELVIEU PURITY E	-	-
NGL-MONT BELVIEU RIVER N. GASOLINE-OPIS	NGL-MONT BELVIEU RIVER N.	-	-
NGL-MONT BELVIEU RIVER N. GASOLINE-OUT MONTH- OPIS	NGL-MONT BELVIEU RIVER N.	-	-
NGL-MONT BELVIEU RIVER N. GASOLINE-PROMPT MONTH- OPIS	NGL-MONT BELVIEU RIVER N.	-	-
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OPIS	NGL-NAPOLEAONVILLE ETHANE	-	-
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OUT MONTH- OPIS	NGL-NAPOLEAONVILLE ETHANE	-	-
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE ETHANE	-	-
NGL-NAPOLEAONVILLE ISOBUTANE-OPIS	NGL-NAPOLEAONVILLE ISOBUT	-	-
NGL-NAPOLEAONVILLE ISOBUTANE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE ISOBUT	-	-
NGL-NAPOLEAONVILLE ISOBUTANE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE ISOBUT	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-NAPOLEAONVILLE N. BUTANE- OPIS	NGL-NAPOLEAONVILLE N. BUT	-	-
NGL-NAPOLEAONVILLE N. BUTANE- OUT MONTH-OPIS	NGL-NAPOLEAONVILLE N. BUT	-	-
NGL-NAPOLEAONVILLE N. BUTANE- PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE N. BUT	-	-
NGL-NAPOLEAONVILLE N. GASOLINE-OPIS	NGL-NAPOLEAONVILLE N. GAS	-	-
NGL-NAPOLEAONVILLE N. GASOLINE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE N. GAS	-	-
NGL-NAPOLEAONVILLE N. GASOLINE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE N. GAS	-	-
NGL-NAPOLEAONVILLE PROPANE- OPIS	NGL-NAPOLEAONVILLE PROPAN	-	-
NGL-NAPOLEAONVILLE PROPANE-OUT MONTH OPIS	NGL-NAPOLEAONVILLE PROPAN	-	-
NGL-NAPOLEAONVILLE PROPANE-PROMPT MONTH OPIS	NGL-NAPOLEAONVILLE PROPAN	-	-
NGL-NAPOLEAONVILLE PURITY ETHANE-OPIS	NGL-NAPOLEAONVILLE PURITY	-	-
NGL-NAPOLEAONVILLE PURITY ETHANE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE PURITY	-	-
NGL-NAPOLEAONVILLE PURITY ETHANE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE PURITY	-	-
NGL-PROPANE (ANSI) -ARGUS INTERNATIONAL LPG	NGL-PROPANE (ANSI) -ARGUS	-	-
NGL-PROPANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE; CIF	-	-
NGL-PROPANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF	-	-
NGL-PROPANE (EUROPE: CIF MEDITERRANEAN LARGE)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF	-	-
NGL-PROPANE (EUROPE: CIF MEDITERRANEAN SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF	-	-
NGL-PROPANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FCA	-	-
NGL-PROPANE (EUROPE: FCA MEDITERRANEAN RAIL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FCA	-	-
NGL-PROPANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FOB	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NGL-PROPANE (EUROPE: FOB NORTHWEST EUROPE SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FOB	-	-
NGL-PROPANE (FAR EAST INDEX)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (FAR EAST IND	-	-
NGL-PROPANE (SAUDI ARAMCO)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (SAUDI ARAMCO	-	-
NGL-PROPANE-BUTANE MIX (EUROPE: FOB BLACK SEA)-ARGUS INTERNATIONAL LPG	NGL-PROPANE-BUTANE MIX (E	-	-
NGL-PROPANE-NYMEX	NGL-PROPANE-NYMEX	-	-
NICKEL-LME 15 MONTH	NICKEL-LME 15 MONTH	-	-
NICKEL-LME 27 MONTH	NICKEL-LME 27 MONTH	-	-
NICKEL-LME 3 MONTH	NICKEL-LME 3 MONTH	-	-
NICKEL-LME CASH	NICKEL-LME CASH	-	-
OATS-CBOT	OATS-CBOT	-	-
OIL-ARGUS SOUR CRUDE INDEX (ASCI)-ARGUS CRUDE	OIL-ARGUS SOUR CRUDE INDE	-	-
OIL-BRENT/BFOE (DATED)-ARGUS CRUDE	OIL-BRENT/BFOE (DATED)-AR	-	-
OIL-BRENT/BFOE (DTD)-PLATTS MARKETWIRE	OIL-BRENT/BFOE (DTD)-PLAT	-	-
OIL-BRENT/BFOE-ARGUS CRUDE	OIL-BRENT/BFOE-ARGUS CRUD	-	-
OIL-BRENT/BFOE-PLATTS MARKETWIRE	OIL-BRENT/BFOE-PLATTS MAR	-	-
OIL-BWAVE-ICE/-PLATTS MARKETWIRE	OIL-BWAVE-ICE/-PLATTS MAR	-	-
OIL-CRUDE OIL-TOCOM	OIL-CRUDE OIL-TOCOM	-	-
OIL-DUBAI-PLATTS MARKETWIRE	OIL-DUBAI-PLATTS MARKETWI	-	-
OIL-JCC-9 DIGIT PROVISIONAL	OIL-JCC-9 DIGIT PROVISION	-	-
OIL-JCC-DETAILED	OIL-JCC-DETAILED	-	-
OIL-JCC-FIXED	OIL-JCC-FIXED	-	-
OIL-JCC-PROVISIONAL	OIL-JCC-PROVISIONAL	-	-
OIL-LLS-ARGUS CRUDE	OIL-LLS-ARGUS CRUDE	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
OIL-LLS-PLATTS MARKETWIRE	OIL-LLS-PLATTS MARKETWIRE	-	-
OIL-MARS-ARGUS CRUDE	OIL-MARS-ARGUS CRUDE	-	-
OIL-MARS-PLATTS MARKETWIRE	OIL-MARS-PLATTS MARKETWIR	-	-
OIL-NW SHELF-APPI	OIL-NW SHELF-APPI	-	-
OIL-OMAN-PLATTS MARKETWIRE	OIL-OMAN-PLATTS MARKETWIR	-	-
OIL-TAPIS-APPI	OIL-TAPIS-APPI	-	-
OIL-TAPIS-PLATTS MARKETWIRE	OIL-TAPIS-PLATTS MARKETWI	-	-
OIL-URALS (CIF ROTTERDAM)-PLATTS MARKETWIRE	OIL-URALS (CIF ROTTERDAM)	-	-
OIL-URALS FOB PRIMORSK-ARGUS CRUDE	OIL-URALS FOB PRIMORSK-AR	-	-
OIL-URALS RCMB-PLATTS MARKETWIRE	OIL-URALS RCMB-PLATTS MAR	-	-
OIL-URALS ROTTERDAM (SPREAD VS FWD DTD BRENT/BFOE)-PLATTS MARKETWIRE	OIL-URALS ROTTERDAM (SPRE	-	-
OIL-WTI MIDLAND-PLATTS MARKETWIRE	OIL-WTI MIDLAND-PLATTS MA	-	-
OIL-WTI-ARGUS CRUDE	OIL-WTI-ARGUS CRUDE	-	-
OIL-WTI-ICE	OIL-WTI-ICE	-	-
OIL-WTI-NYMEX	OIL-WTI-NYMEX	-	-
OIL-WTI-PLATTS MARKETWIRE	OIL-WTI-PLATTS MARKETWIRE	-	-
OIL-WTS-ARGUS CRUDE	OIL-WTS-ARGUS CRUDE	-	-
OIL-WTS-PLATTS MARKETWIRE	OIL-WTS-PLATTS MARKETWIRE	-	-
OMAN MINISTRY OF GAS OFFICIAL PRICE	OMAN MINISTRY OF GAS OFFI	-	-
OTHER	OTHER	-	-
PALLADIUM-A.M. FIX (EUR)	PALLADIUM-A.M. FIX (EUR)	-	-
PALLADIUM-A.M. FIX (GBP)	PALLADIUM-A.M. FIX (GBP)	-	-
PALLADIUM-A.M. FIX	PALLADIUM-A.M. FIX	-	-
PALLADIUM-NYMEX	PALLADIUM-NYMEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
PALLADIUM-P.M. FIX (EUR)	PALLADIUM-P.M. FIX (EUR)	-	-
PALLADIUM-P.M. FIX (GBP)	PALLADIUM-P.M. FIX (GBP)	-	-
PALLADIUM-P.M. FIX	PALLADIUM-P.M. FIX	-	-
PALLADIUM-TOCOM	PALLADIUM-TOCOM	-	-
PALM OIL-BURSA MALAYSIA	PALM OIL-BURSA MALAYSIA	-	-
PALM OIL-MDEX	PALM OIL-MDEX	-	-
PLASTIC-LME-LL	PLASTIC-LME-LL	-	-
PLASTIC-LME-PP	PLASTIC-LME-PP	-	-
PLATINUM-A.M. FIX (EUR)	PLATINUM-A.M. FIX (EUR)	-	-
PLATINUM-A.M. FIX (GBP)	PLATINUM-A.M. FIX (GBP)	-	-
PLATINUM-A.M. FIX	PLATINUM-A.M. FIX	-	-
PLATINUM-NYMEX-SAFEX	PLATINUM-NYMEX-SAFEX	-	-
PLATINUM-NYMEX	PLATINUM-NYMEX	-	-
PLATINUM-P.M. FIX (EUR)	PLATINUM-P.M. FIX (EUR)	-	-
PLATINUM-P.M. FIX (GBP)	PLATINUM-P.M. FIX (GBP)	-	-
PLATINUM-P.M. FIX	PLATINUM-P.M. FIX	-	-
PLATINUM-TOCOM	PLATINUM-TOCOM	-	-
Polyethylene Terephthalate - ICIS	Polyethylene Terephthalat	-	-
Polypropylene Homopolymer Injection - Platts Polymerscan,	Polypropylene Homopolymer	-	-
Polypropylene, North America, Domestic Market (Contract) GP - Homopolymer, Delivered	Polypropylene, North Amer	-	-
PULP BLEACHED HARDWOOD KRAFT EUROPE PIX	PULP BLEACHED HARDWOOD KR	-	-
PULP BLEACHED HARDWOOD KRAFT PULP US RISI	PULP BLEACHED HARDWOOD KR	-	-
PULP BLEACHED HARDWOOD KRAFT US PIX	PULP BLEACHED HARDWOOD KR	-	-
PULP BLEACHED KRAFT FLUFF (UNTREATED) EUROPE RISI	PULP BLEACHED KRAFT FLUFF	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
PULP NORTHERN BLEACHED SOFTWOOD KRAFT EUROPE PIX	PULP NORTHERN BLEACHED SO	-	-
PULP NORTHERN BLEACHED SOFTWOOD KRAFT US PIX	PULP NORTHERN BLEACHED SO	-	-
PULP NORTHERN BLEACHED SOFTWOOD KRAFT US PPW	PULP NORTHERN BLEACHED SO	-	-
PULP NORTHERN BLEACHED SOFTWOOD KRAFT US RISI	PULP NORTHERN BLEACHED SO	-	-
PULP-ICE	PULP-ICE	-	-
RAPESEED - MATIF	RAPESEED - MATIF	-	-
RAPESEED-NYSE Liffe	RAPESEED-NYSE Liffe	-	-
RECOVERED PAPER 1.02 MIXED P&B (SORTED) PPI GERMANY	RECOVERED PAPER 1.02 MIXE	-	-
RECOVERED PAPER 1.04 SUPERMARKET CORRUGATED MIXED P&B PPI GERMANY	RECOVERED PAPER 1.04 SUPE	-	-
RECOVERED PAPER 1.05 OLD CORRUGATED CONTAINERS PPI FRANCE	RECOVERED PAPER 1.05 OLD	-	-
RECOVERED PAPER 1.11 SORTED GRAPHIC PAPER PPI GERMANY	RECOVERED PAPER 1.11 SORT	-	-
RECOVERED PAPER 2.01 NEWSPAPERS PPI GERMANY	RECOVERED PAPER 2.01 NEWS	-	-
RECOVERED PAPER DEINK NEWS (8) ATLANTA PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER DEINK NEWS (8) CHICAGO PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER DEINK NEWS (8) DALLAS-HOUSTON PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER DEINK NEWS (8) NEW YORK PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER DEINK NEWS (8) SAN FRANCISCO-LOS ANGELES PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER DEINK NEWS (8) U.S. AVERAGE PPW	RECOVERED PAPER DEINK NEW	-	-
RECOVERED PAPER NEWS #8 BUFFALO OBM	RECOVERED PAPER NEWS #8 B	-	-
RECOVERED PAPER NEWS #8 CHICAGO OBM	RECOVERED PAPER NEWS #8 C	-	-
RECOVERED PAPER NEWS #8 LOS ANGELES OBM	RECOVERED PAPER NEWS #8 L	-	-
RECOVERED PAPER NEWS #8 NEW ENGLAND OBM	RECOVERED PAPER NEWS #8 N	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
RECOVERED PAPER NEWS #8 NEW YORK OBM	RECOVERED PAPER NEWS #8 N	-	-
RECOVERED PAPER NEWS #8 PACIFIC NW OBM	RECOVERED PAPER NEWS #8 P	-	-
RECOVERED PAPER NEWS #8 SAN FRANCISCO OBM	RECOVERED PAPER NEWS #8 S	-	-
RECOVERED PAPER NEWS #8 SOUTHEAST OBM	RECOVERED PAPER NEWS #8 S	-	-
RECOVERED PAPER NEWS #8 SOUTHWEST OBM	RECOVERED PAPER NEWS #8 S	-	-
RECOVERED PAPER OCC #11 ATLANTA PPW	RECOVERED PAPER OCC #11 A	-	-
RECOVERED PAPER OCC #11 CHICAGO PPW	RECOVERED PAPER OCC #11 C	-	-
RECOVERED PAPER OCC #11 DALLAS-HOUSTON PPC	RECOVERED PAPER OCC #11 D	-	-
RECOVERED PAPER OCC #11 NEW YORK PPW	RECOVERED PAPER OCC #11 N	-	-
RECOVERED PAPER OCC #11 SAN FRANCISCO-LOS ANGELES	RECOVERED PAPER OCC #11 S	-	-
RECOVERED PAPER OCC #11 U.S. AVERAGE PPC	RECOVERED PAPER OCC #11 U	-	-
RECOVERED PAPER OCC#11 BUFFALO OBM	RECOVERED PAPER OCC#11 BU	-	-
RECOVERED PAPER OCC#11 CHICAGO OBM	RECOVERED PAPER OCC#11 CH	-	-
RECOVERED PAPER OCC#11 LOS ANGELES OBM	RECOVERED PAPER OCC#11 LO	-	-
RECOVERED PAPER OCC#11 NEW ENGLAND OBM	RECOVERED PAPER OCC#11 NE	-	-
RECOVERED PAPER OCC#11 NEW YORK OBM	RECOVERED PAPER OCC#11 NE	-	-
RECOVERED PAPER OCC#11 PACIFIC NW OBM	RECOVERED PAPER OCC#11 PA	-	-
RECOVERED PAPER OCC#11 SAN FRANCISCO OBM	RECOVERED PAPER OCC#11 SA	-	-
RECOVERED PAPER OCC#11 SOUTHEAST OBM	RECOVERED PAPER OCC#11 SO	-	-
RECOVERED PAPER OCC#11 SOUTHWEST OBM	RECOVERED PAPER OCC#11 SO	-	-
RECOVERED PAPER SOP#37 CHICAGO OBM	RECOVERED PAPER SOP#37 CH	-	-
RHODIUM-COMDAQ (EUR)	RHODIUM-COMDAQ (EUR)	-	-
RHODIUM-COMDAQ (GBP)	RHODIUM-COMDAQ (GBP)	-	-
RHODIUM-COMDAQ (JPY)	RHODIUM-COMDAQ (JPY)	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
RHODIUM-COMDAQ	RHODIUM-COMDAQ	-	-
RHODIUM-HERAEUS	RHODIUM-HERAEUS	-	-
RHODIUM-JOHNSON MATTHEY	RHODIUM-JOHNSON MATTHEY	-	-
RICE-CBOT	RICE-CBOT	-	-
RISI World Pulp Monthly Northern Bleached Softwood Kraft Pulp Pulp Northern Bleached Softwood Kraft US RISI	RISI World Pulp Monthly N	-	-
RUBBER-JADE	RUBBER-JADE	-	-
RUBBER-RSS3-SGX	RUBBER-RSS3-SGX	-	-
RUBBER-TOCOM	RUBBER-TOCOM	-	-
RUBBER-TSR20-SGX	RUBBER-TSR20-SGX	-	-
RUTHENIUM-COMDAQ (EUR)	RUTHENIUM-COMDAQ (EUR)	-	-
RUTHENIUM-COMDAQ (GBP)	RUTHENIUM-COMDAQ (GBP)	-	-
RUTHENIUM-COMDAQ (JPY)	RUTHENIUM-COMDAQ (JPY)	-	-
RUTHENIUM-COMDAQ	RUTHENIUM-COMDAQ	-	-
RUTHENIUM-HERAEUS	RUTHENIUM-HERAEUS	-	-
RUTHENIUM-JOHNSON MATTHEY	RUTHENIUM-JOHNSON MATTHEY	-	-
SAHARAN BLEND FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	SAHARAN BLEND FOB ARA CRA	-	-
SILVER-COMEX-SAFEX	SILVER-COMEX-SAFEX	-	-
SILVER-COMEX	SILVER-COMEX	-	-
SILVER-FIX (EUR)	SILVER-FIX (EUR)	-	-
SILVER-FIX (GBP)	SILVER-FIX (GBP)	-	-
SILVER-FIX	SILVER-FIX	-	-
SILVER-TOCOM	SILVER-TOCOM	-	-
SM6TC (Supramax Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - SUPRAMAX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	SM6TC (Supramax Dry Time	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
SORGHUM-SAFEX	SORGHUM-SAFEX	-	-
SOUTHEAST-DAY AHEAD	SOUTHEAST-DAY AHEAD	-	-
SOUTHEAST-REAL TIME	SOUTHEAST-REAL TIME	-	-
SOYBEAN MEAL-CBOT-SAFEX	SOYBEAN MEAL-CBOT-SAFEX	-	-
SOYBEAN MEAL-CBOT	SOYBEAN MEAL-CBOT	-	-
SOYBEAN OIL-CBOT-SAFEX	SOYBEAN OIL-CBOT-SAFEX	-	-
SOYBEAN OIL-CBOT	SOYBEAN OIL-CBOT	-	-
SOYBEANS-CBOT-SAFEX	SOYBEANS-CBOT-SAFEX	-	-
SOYBEANS-CBOT	SOYBEANS-CBOT	-	-
SOYBEANS-SAFEX	SOYBEANS-SAFEX	-	-
STEEL - LME 3 MONTH	STEEL - LME 3 MONTH	-	-
STEEL BILLET-LME CASH	STEEL BILLET-LME CASH	-	-
STEEL PLATTS COLD ROLLED EUR	STEEL PLATTS COLD ROLLED	-	-
STEEL PLATTS COLD ROLLED USD	STEEL PLATTS COLD ROLLED	-	-
STEEL PLATTS HOT ROLLED EUR	STEEL PLATTS HOT ROLLED E	-	-
STEEL PLATTS HOT ROLLED USD	STEEL PLATTS HOT ROLLED U	-	-
STEEL- -HRC-USA-MIDWEST-CRU (Monthly average)	STEEL- -HRC-USA-MIDWEST-C	-	-
STEEL- LME- BILLETS	STEEL- LME- BILLETS	-	-
STEEL-MONTHLY-BILLET-CIS EXPORT FOB BLACK SEA-CRU LONG	STEEL-MONTHLY-BILLET-CIS	-	-
STEEL-MONTHLY-CRC-GERMANY (EUR)-CRU	STEEL-MONTHLY-CRC-GERMANY	-	-
STEEL-MONTHLY-CRC-GERMANY (USD)-CRU	STEEL-MONTHLY-CRC-GERMANY	-	-
STEEL-MONTHLY-CRC-USA-MIDWEST-CRU	STEEL-MONTHLY-CRC-USA-MID	-	-
STEEL-MONTHLY-HRC-GERMANY (EUR)-CRU	STEEL-MONTHLY-HRC-GERMANY	-	-
STEEL-MONTHLY-HRC-GERMANY (USD)-CRU	STEEL-MONTHLY-HRC-GERMANY	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
STEEL-MONTHLY-SLAB-EUROPE-CIS-EXPORT-BLACK SEA PORT-CRU	STEEL-MONTHLY-SLAB-EUROPE	-	-
STEEL-MONTHLY-SLAB-LATIN AMERICA-BRAZIL-EXPORT- CRU	STEEL-MONTHLY-SLAB-LATIN	-	-
STEEL-PLATTS-EUROPEAN HOT ROLLED COIL (RUHR)	STEEL-PLATTS-EUROPEAN HOT	-	-
STEEL-PLATTS-FOB BLACK SEA	STEEL-PLATTS-FOB BLACK SE	-	-
STEEL-PLATTS-HMS 80/20 FERROUS SCRAP	STEEL-PLATTS-HMS 80/20 FE	-	-
STEEL-TSI NORTH	STEEL-TSI NORTH	-	-
STEEL-TSI SOUTH	STEEL-TSI SOUTH	-	-
STEEL-TSI TURKEY SCRAP	STEEL-TSI TURKEY SCRAP	-	-
SUGAR # 11 (WORLD)-ICE	SUGAR # 11 (WORLD)-ICE	-	-
SUGAR # 16 (US)-ICE	SUGAR # 16 (US)-ICE	-	-
SULPHUR-CFR CHINA-FMB	SULPHUR-CFR CHINA-FMB	-	-
SULPHUR-CFR INDIA-FMB	SULPHUR-CFR INDIA-FMB	-	-
SULPHUR-FOB BLACK SEA-FMB	SULPHUR-FOB BLACK SEA-FMB	-	-
SULPHUR-FOB MIDDLE EAST-FMB	SULPHUR-FOB MIDDLE EAST-F	-	-
SULPHUR-FOB VANCOUVER-FMB	SULPHUR-FOB VANCOUVER-FMB	-	-
SUNFLOWER SEEDS-SAFEX	SUNFLOWER SEEDS-SAFEX	-	-
TIN-LME 15 MONTH	TIN-LME 15 MONTH	-	-
TIN-LME 3 MONTH	TIN-LME 3 MONTH	-	-
TIN-LME CASH	TIN-LME CASH	-	-
UAN - NOLA - FMB	UAN - NOLA - FMB	-	-
UAN-FERTILIZER INDEX	UAN-FERTILIZER INDEX	-	-
ULTRA LOW SULPHUR DIESEL - U.S. GULF COAST PIPELINE - PLATTS OILGRAM	ULTRA LOW SULPHUR DIESEL	-	-
ULTRA LOW SULPHUR DIESEL-10 PPM UK-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	ULTRA LOW SULPHUR DIESEL-	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
ULTRA LOW SULPHUR DIESEL-10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	ULTRA LOW SULPHUR DIESEL-	-	-
ULTRA LOW SULPHUR DIESEL-10 PPM-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	ULTRA LOW SULPHUR DIESEL-	-	-
ULTRA LOW SULPHUR DIESEL-10 PPM-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	ULTRA LOW SULPHUR DIESEL-	-	-
ULTRA LOW SULPHUR DIESELGERMAN-10PPM-FOB NWE - ARGUS EUROPEAN PRODUCTS	ULTRA LOW SULPHUR DIESELG	-	-
ULTRA-LOW SULPHUR DIESEL 10PPM- FOB MED (ITALY) - PLATTS EUROPEAN MARKETSCAN	ULTRA-LOW SULPHUR DIESEL	-	-
URANIUM U3O8 TT	URANIUM U3O8 TT	-	-
URANIUM Ux U3O8	URANIUM Ux U3O8	-	-
UREA - FOB BALTIC-FMB	UREA - FOB BALTIC-FMB	-	-
UREA - FOB INDONESIA - FMB	UREA - FOB INDONESIA - FM	-	-
UREA - FOB US GULF BARGE FMB	UREA - FOB US GULF BARGE	-	-
UREA - New Orleans - Fertilizer Index	UREA - New Orleans - Fert	-	-
UREA - Yuzhnyy-Fertilizer Index	UREA - Yuzhnyy-Fertilizer	-	-
UREA- Egypt - Fertilizer index	UREA- Egypt - Fertilizer	-	-
UREA- FOB YUZHNY - FMB	UREA- FOB YUZHNY - FMB	-	-
UREA-FERTILIZER INDEX	UREA-FERTILIZER INDEX	-	-
WHEAT FEED-NYSE Liffe	WHEAT FEED-NYSE Liffe	-	-
WHEAT HRW-KCBOT	WHEAT HRW-KCBOT	-	-
WHEAT MILLING - ASX	WHEAT MILLING - ASX	-	-
WHEAT MILLING-NYSE Liffe	WHEAT MILLING-NYSE Liffe	-	-
WHEAT RED SPRING-MGE	WHEAT RED SPRING-MGE	-	-
WHEAT-CBOT	WHEAT-CBOT	-	-
WHEAT-SAFEX	WHEAT-SAFEX	-	-
WHITE MAIZE GRADE 2-SAFEX	WHITE MAIZE GRADE 2-SAFEX	-	-

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
WHITE MAIZE-SAFEX	WHITE MAIZE-SAFEX	-	-
WHITE SUGAR-NYSE Liffe	WHITE SUGAR-NYSE Liffe	-	-
YELLOW MAIZE GRADE 2-SAFEX	YELLOW MAIZE GRADE 2-SAFE	-	-
YELLOW MAIZE-SAFEX	YELLOW MAIZE-SAFEX	-	-
ZINC-LME 15 MONTH	ZINC-LME 15 MONTH	-	-
ZINC-LME 27 MONTH	ZINC-LME 27 MONTH	-	-
ZINC-LME 3 MONTH	ZINC-LME 3 MONTH	-	-
ZINC-LME CASH	ZINC-LME CASH	-	-
ZUETINA FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	ZUETINA FOB ARA CRACK NET	-	-
20J63Z4N3	20J63Z4N3	SOL	SOL
24VV95T9F	24VV95T9F	XMR	XMR
26W7JCWZJ	26W7JCWZJ	LDO	ETH
29DD3R2SH	29DD3R2SH	USDt	NEAR
2L8HS2MNP	2L8HS2MNP	BSV	BSV
2QWSBDMNC	2QWSBDMNC	USDT	ETH
3ZW8R4HSD	3ZW8R4HSD	CFX	CFX
41W3DC2R4	41W3DC2R4	BUSD	TRX
45J6XJX7H	45J6XJX7H	USDC	AVAX
46VQ8B7LM	46VQ8B7LM	IMX	ETH
4GNLB78VC	4GNLB78VC	TUSD	ETH
4H95J0R2X	4H95J0R2X	BTC	BTC
5R3XFPZSM	5R3XFPZSM	USDC	SOL
6QBMW6DQZ	6QBMW6DQZ	USDT	SOL
6WNRFWT13	6WNRFWT13	RNDR	ETH

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
75T0GP5WJ	75T0GP5WJ	USDT	BTC
7744P2WPH	7744P2WPH	GRT	ETH
7KL6LCVWQ	7KL6LCVWQ	ICP	ICP
7VTRKSC7S	7VTRKSC7S	XTZ	XTZ
820B7G1NL	820B7G1NL	DOGE	DOGE
85MP572L7	85MP572L7	BNB	BNB
8SBB81M2M	8SBB81M2M	LINK	ETH
93K9SQP62	93K9SQP62	ARB	ARB
993D8X1FB	993D8X1FB	TRX	TRX
B16J8HBKK	B16J8HBKK	SAND	ETH
B8DH60MPJ	B8DH60MPJ	RUNE	RUNE
BDFVNSJD2	BDFVNSJD2	BUSD	MATIC
BHQ70PZ11	BHQ70PZ11	USDt	BCH
C4SRNZD8K	C4SRNZD8K	XLM	XLM
C9N6ZVN7S	C9N6ZVN7S	USDT	TRX
CCQZQXFDC	CCQZQXFDC	XDC	XDC
CK9PW1MFH	CK9PW1MFH	USDC	ETH
CNKWNW4ZD	CNKWNW4ZD	OKB	ETH
D00BX2H2I	D00BX2H2I	CRO	ETH
D94114L7T	D94114L7T	SNX	ETH
DC83NXWML	DC83NXWML	NEAR	NEAR
DDWNJQZZH	DDWNJQZZH	BUSD	BNB
DHQPD433B	DHQPD433B	HBAR	HBAR
DLFDPGMTP	DLFDPGMTP	TUSD	AVAX
DWBBD2FI	DWBBD2FI	USDC	XLM

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
DWR00Z22R	DWR00Z22R	OP	OP
F6W5TF66L	F6W5TF66L	MANA	ETH
FDBG7XVCM	FDBG7XVCM	BUSD	AVAX
GWQWXV7J	GWQWXV7J	ETC	ETC
HFX40B3W9	HFX40B3W9	FLOW	FLOW
HWGLIC2CK	HWGLIC2CK	ADA	ADA
J04FIK9H3	J04FIK9H3	BGB	ETH
J5IDX876N	J5IDX876N	ATOM	ATOM
J5J62BBD7	J5J62BBD7	KAVA	KAVA
J9K583ZGG	J9K583ZGG	BCH	BCH
JH9TPZQ38	JH9TPZQ38	THETA	THETA
JVVH6K29	JVVH6K29	TUSD	BNB
K1KRWITFQ	K1KRWITFQ	MNT	ETH
K8B662X5Z	K8B662X5Z	FIL	FIL
KPXS8WST3	KPXS8WST3	LEO	ETH
L6GTZC9G4	L6GTZC9G4	XRP	XRP
LGWSMX228	LGWSMX228	INJ	ETH
M3Z63ITN4	M3Z63ITN4	AVAX	AVAX
M4FLVF8IQ	M4FLVF8IQ	EOS	EOS
M8G59SIZR	M8G59SIZR	USDC	ALGO
M8Z9JSG9Q	M8Z9JSG9Q	ALGO	ALGO
MJ4JJGJ97	MJ4JJGJ97	BUSD	ETH
NI9HT013T	NI9HT013T	TUSD	TRX
N25N2VFT7	N25N2VFT7	QNT	ETH
N7KDZ7X0F	N7KDZ7X0F	NEO	NEO

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
NJ7X4BCTD	NJ7X4BCTD	USDt	AVAX
NN4I8T24K	NN4I8T24K	VET	VET
PIFTS4328	PIFTS4328	UNI	ETH
P5B46MFPP	P5B46MFPP	DOT	DOT
P7H2X1B9H	P7H2X1B9H	USDC	FLOW
PDX13MN94	PDX13MN94	USDt	ALGO
PJIBC8W44	PJIBC8W44	pUSDt	MATIC
QBZLT5MTI	QBZLT5MTI	TON	TON
QD7K0JHQ8	QD7K0JHQ8	MKR	ETH
QP2QBFRQ2	QP2QBFRQ2	FDUSD	ETH
RH8F54RM6	RH8F54RM6	EGLD	EGLD
RQWW6J6K0	RQWW6J6K0	MATIC	MATIC
SSFZXTDD	SSFZXTDD	APT	APT
T6TQ8GN7L	T6TQ8GN7L	USDC	TRX
TM1M7GJG0	TM1M7GJG0	XEC	XEC
TZFM5MHWR	TZFM5MHWR	USDt	XTZ
VB2Q3G56B	VB2Q3G56B	SHIB	ETH
W6T647XQ9	W6T647XQ9	AAVE	ETH
W7BGSQ9ID	W7BGSQ9ID	STX	STX
WRDZ657V5	WRDZ657V5	USDD	TRX
WS6BZ8225	WS6BZ8225	FTM	FTM
WTX0G7K46	WTX0G7K46	LTC	LTC
X8N7P3B1M	X8N7P3B1M	DAI	ETH
X9J9K872S	X9J9K872S	ETH	ETH
XTS66R22W	XTS66R22W	USDC	HBAR

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)	Digital Asset Short Code*	Digital Asset Ledger Short Code*
XXC2TZQRQ	XXC2TZQRQ	MINA	MINA
Z2FJWKQ0R	Z2FJWKQ0R	AXS	ETH
Z7ZX774BJ	Z7ZX774BJ	USDT	EOS
ZN227BVRW	ZN227BVRW	WBTC	ETH

*See *Supplementary Information - Additional Comments*.

3. Supplementary Information

3.1 Best Practice Guidelines

No Best Practice Guideline is provided for this document.

3.2 Additional Comments

- Digital Asset Short Code and the Ledger Short Code are made available as indicative visual aid for GUI users only, i.e., 2QWSBDMNC (**USDT / ETH**) whereas API users will continue to use the unadjusted enumeration.

4. Appendix

DTI Background

A Digital Token Identifier (DTI) is a global identification system for digital tokens and is defined by the International Organisation for Standardization's ISO 24165, published in September 2021.

[Digital Token Identifier Foundation \(DTI Foundation\)](#) provides the golden source reference data for the unique identification of digital tokens.

The DTI code consists of nine alphanumeric characters with the following structure:

- The first eight characters are the base number.
 - The base number is eight characters in length but excludes vowels (A, E, I, O, U) and the letter Y (zero will not be a first character).
 - The base number is randomly generated and semantically meaningless (in cases where a randomly generated identifier inadvertently appears to be semantically meaningful, DTI Foundation would discard it).
- The final character is the check character.

Selection Criteria

Digital Asset entries are to be added to the Commodity Ref Price enumeration list based on the following criteria:

- **Referential Token**
The token is not a Security Token: which represents or exhibits the characteristics of a security (equity, bond, ETD, etc.).
- **Ledger-based Token**
The token as recorded on a blockchain/ledger (not a Fully Fungible Group (FFG) or similar).
- **Market Capitalization**
With a market capitalization of > \$500m (measured on price * available/tradable quantity on Coin Market Cap).
- **Liquid Ledger**
The token is recorded on a ledger where the ledger's native token (eg: ETH, SOL, etc.) is also in the selected group.
- *If the market cap is available at the FFG level (eg: Tether), then the tokens within that FFG will be selected only if the FFG capitalization is above \$500m AND the native token of the ledger is above \$500m.*
- *Please note that a review of the token list will take place on a quarterly basis but that some adjustments to the market capitalization limit may be required in order to ensure a reasonable level of change.*