



Derivatives Service Bureau
DSB PROD Product Definitions
Annex 7 – Standard Market Indices
May 2018

Preface

Change History

Date	Change	Version	Author	Revision Details
15/11/2017	Creation	0.1	Tony Birrell	Initial Version
23/04/2018	Change	0.2	Nathan Dagg	Update SONIA – Rates Inclusion of Underlying Instrument Index for Rates – CapFloor Update to Equities Removal of Commodities Indices
18/05/2018	Change	0.3	Nathan Dagg	Update USD-SOFR-COMPOUND Rates / Rates CapFloor

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1 Standard Market Indices

Asset Class	RTS 23 Field	Owner	Source
Rates	Reference Rate ¹	FpML	http://www.fpml.org/spec/coding-scheme/fpml-schemes.html#s5.95
Rates - CPI	Reference Rate ¹	FpML	http://www.fpml.org/spec/coding-scheme/fpml-schemes.html#s5.105
Rates - CapFloor	Underlying Instrument Index	FpML	http://www.fpml.org/spec/coding-scheme/fpml-schemes.html#s5.95
Commodities	Underlying Instrument Index		Other
Commodities	Reference Rate ²	FpML	ISDA Taxonomy 2.0
Credit	Underlying Instrument Index	Markit	Markit Index Legal Long name
Equities	Underlying Instrument Index	ESMA	https://www.esma.europa.eu/sites/default/files/equity_derivatives_i.xlsx

¹Can also be sourced for 'Other Leg Reference Rate'.

²Can also be sourced for 'Other Reference Rate'

2 Standard Market Index enumerations

2.1 Rates

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
AED-EBOR-Reuters	EBOR-Reuters
AUD-AONIA-OIS-COMPOUND	AONIA-OIS-COMPOUND
AUD-AONIA-OIS-COMPOUND-SwapMarker	AONIA-OIS-COMPOUND-SwapMa
AUD-BBR-AUBBSW	BBR-AUBBSW
AUD-BBR-BBSW	BBSW
AUD-BBR-BBSW-Bloomberg	BBSW
AUD-BBR-BBSY (BID)	BBR-BBSY (BID)
AUD-BBR-ISDC	BBR-ISDC
AUD-LIBOR-BBA	LIBO
AUD-LIBOR-BBA-Bloomberg	LIBO
AUD-LIBOR-Reference Banks	LIBO
AUD-Quarterly Swap Rate-ICAP	SWAP
AUD-Quarterly Swap Rate-ICAP-Reference Banks	SWAP
AUD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
AUD-Semi-Annual Swap Rate-BGCANTOR-Reference Banks	SWAP
AUD-Semi-annual Swap Rate-ICAP	SWAP
AUD-Semi-Annual Swap Rate-ICAP-Reference Banks	SWAP
AUD-Swap Rate-Reuters	SWAP
BRL-CDI	CDI
CAD-BA-CDOR	CDOR
CAD-BA-CDOR-Bloomberg	CDOR
CAD-BA-ISDD	BA-ISDD
CAD-BA-Reference Banks	BA-Reference Banks
CAD-BA-Reuters	BA-Reuters
CAD-BA-Telerate	BA-Telerate
CAD-CORRA-OIS-COMPOUND	CORRA-OIS-COMPOUND
CAD-ISDA-Swap Rate	SWAP
CAD-LIBOR-BBA	LIBO
CAD-LIBOR-BBA-Bloomberg	LIBO
CAD-LIBOR-BBA-SwapMarker	LIBO
CAD-LIBOR-Reference Banks	LIBO
CAD-REPO-CORRA	REPO-CORRA
CAD-TBILL-ISDD	TBILL-ISDD
CAD-TBILL-Reference Banks	TBILL-Reference Banks
CAD-TBILL-Reuters	TBILL-Reuters
CAD-TBILL-Telerate	TBILL-Telerate
CHF USD-Basis Swaps-11:00-ICAP	SWAP
CHF-3M LIBOR SWAP-CME vs LCH-ICAP	SWAP
CHF-3M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
CHF-3M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
CHF-3M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
CHF-6M LIBOR SWAP-CME vs LCH-ICAP	SWAP
CHF-6M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
CHF-6M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
CHF-6M LIBORSWAP-CME vs LCH-ICAP-Bloomberg	SWAP
CHF-Annual Swap Rate	SWAP
CHF-Annual Swap Rate-11:00-ICAP	SWAP
CHF-Annual Swap Rate-Reference Banks	SWAP

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
CHF-Basis Swap-3m vs 6m-LIBOR-11:00-ICAP	SWAP
CHF-ISDAFIX-Swap Rate	ISDA
CHF-LIBOR-BBA	LIBO
CHF-LIBOR-BBA-Bloomberg	LIBO
CHF-LIBOR-ISDA	LIBO
CHF-LIBOR-Reference Banks	LIBO
CHF-OIS-11:00-ICAP	OIS-11:00-ICAP
CHF-SARON-OIS-COMPOUND	SARON-OIS-COMPOUND
CHF-TOIS-OIS-COMPOUND	TOIS-OIS-COMPOUND
CL-CLICP-Bloomberg	CL-CLICP-Bloomberg
CNH-HIBOR-Reference Banks	HIBOR-Reference Banks
CNH-HIBOR-TMA	HIBOR-TMA
CNY 7-Repo Compounding Date	7-Repo Compounding Date
CNY-CNREPOFIX=CFXS-Reuters	CNREPOFIX=CFXS-Reuters
CNY-PBOCB-Reuters	PBOCB-Reuters
CNY-Quarterly 7 day Repo Non Deliverable Swap Rate-TRADITION	SWAP
CNY-Quarterly 7 day Repo Non Deliverable Swap Rate-TRADITION-Reference Banks	SWAP
CNY-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
CNY-Semi-Annual Swap Rate-Reference Banks	SWAP
CNY-Shibor-OIS-Compounding	Shibor-OIS-Compounding
CNY-SHIBOR-Reuters	SHIBOR-Reuters
COP-IBR-OIS-COMPOUND	IBR-OIS-COMPOUND
CZK-Annual Swap Rate-11:00-BGCANTOR	SWAP
CZK-Annual Swap Rate-Reference Banks	SWAP
CZK-PRIBOR-PRBO	PRBO
CZK-PRIBOR-Reference Banks	PRBO
DKK-CIBOR-DKNA13	CIBO
DKK-CIBOR-DKNA13-Bloomberg	CIBO
DKK-CIBOR-Reference Banks	CIBO
DKK-CIBOR2-Bloomberg	CIBO
DKK-CIBOR2-DKNA13	CIBO
DKK-CITA-DKNA14-COMPOUND	CITA-DKNA14-COMPOUND
DKK-DKKOIS-OIS-COMPOUND	DKKOIS-OIS-COMPOUND
EUR Basis Swap-EONIA vs 3m EUR+IBOR Swap Rates-A/360-10:00-ICAP	SWAP
EUR EURIBOR-Annual Bond Swap vs 1m-11:00-ICAP	SWAP
EUR EURIBOR-Basis Swap-1m vs 3m-Euribor-11:00-ICAP	SWAP
EUR EURIBOR-Basis Swap-3m vs 6m-11:00-ICAP	SWAP
EUR USD-Basis Swaps-11:00-ICAP	SWAP
EUR-3M EURIBOR SWAP-CME vs LCH-ICAP	SWAP
EUR-3M EURIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
EUR-3M EURIBOR SWAP-EUREX vs LCH-ICAP	SWAP
EUR-3M EURIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
EUR-6M EURIBOR SWAP-CME vs LCH-ICAP	SWAP
EUR-6M EURIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
EUR-6M EURIBOR SWAP-EUREX vs LCH-ICAP	SWAP
EUR-6M EURIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
EUR-Annual Swap Rate-10:00	SWAP
EUR-Annual Swap Rate-10:00-BGCANTOR	SWAP
EUR-Annual Swap Rate-10:00-Bloomberg	SWAP
EUR-Annual Swap Rate-10:00-ICAP	SWAP
EUR-Annual Swap Rate-10:00-SwapMarker	SWAP
EUR-Annual Swap Rate-10:00-TRADITION	SWAP
EUR-Annual Swap Rate-11:00	SWAP

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
EUR-Annual Swap Rate-11:00-Bloomberg	SWAP
EUR-Annual Swap Rate-11:00-ICAP	SWAP
EUR-Annual Swap Rate-11:00-SwapMarker	SWAP
EUR-Annual Swap Rate-3 Month	SWAP
EUR-Annual Swap Rate-3 Month-SwapMarker	SWAP
EUR-Annual Swap Rate-4:15-TRADITION	SWAP
EUR-Annual Swap Rate-Reference Banks	SWAP
EUR-EONIA-AVERAGE	EONA
EUR-EONIA-OIS-10:00-BGCANTOR	EONA
EUR-EONIA-OIS-10:00-ICAP	EONA
EUR-EONIA-OIS-10:00-TRADITION	EONA
EUR-EONIA-OIS-11:00-ICAP	EONA
EUR-EONIA-OIS-4:15-TRADITION	EONA
EUR-EONIA-OIS-COMPOUND	EONA
EUR-EONIA-OIS-COMPOUND-Bloomberg	EONA
EUR-EONIA-Swap-Index	EONS
EUR-EURIBOR-Act/365	EURI
EUR-EURIBOR-Act/365-Bloomberg	EURI
EUR-EURIBOR-Reference Banks	EURI
EUR-EURIBOR-Reuters	EURI
EUR-EURIBOR-Telerate	EURI
EUR-EURONIA-OIS-COMPOUND	EURI
EUR-ISDA-EURIBOR Swap Rate-11:00	EURI
EUR-ISDA-EURIBOR Swap Rate-12:00	EURI
EUR-ISDA-LIBOR Swap Rate-10:00	LIBO
EUR-ISDA-LIBOR Swap Rate-11:00	LIBO
EUR-LIBOR-BBA	LIBO
EUR-LIBOR-BBA-Bloomberg	LIBO
EUR-LIBOR-Reference Banks	LIBO
EUR-TAM-CDC	TAM-CDC
EUR-TEC10-CNO	TEC10-CNO
EUR-TEC10-CNO-SwapMarker	TEC10-CNO-SwapMarker
EUR-TEC10-Reference Banks	TEC10-Reference Banks
EUR-TEC5-CNO	TEC5-CNO
EUR-TEC5-CNO-SwapMarker	TEC5-CNO-SwapMarker
EUR-TEC5-Reference Banks	TEC5-Reference Banks
EUR-TMM-CDC-COMPOUND	TMM-CDC-COMPOUND
GBP USD-Basis Swaps-11:00-ICAP	SWAP
GBP-6M LIBOR SWAP-CME vs LCH-ICAP	SWAP
GBP-6M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
GBP-6M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
GBP-6M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
GBP-ISDA-Swap Rate	SWAP
GBP-LIBOR-BBA	LIBO
GBP-LIBOR-BBA-Bloomberg	LIBO
GBP-LIBOR-ISDA	LIBO
GBP-LIBOR-Reference Banks	LIBO
GBP-Semi Annual Swap Rate-11:00-TRADITION	SWAP
GBP-Semi Annual Swap Rate-4:15-TRADITION	SWAP
GBP-Semi-Annual Swap Rate	SWAP
GBP-Semi-Annual Swap Rate-11:00-ICAP	SWAP
GBP-Semi-Annual Swap Rate-Reference Banks	SWAP
GBP-Semi-Annual Swap Rate-SwapMarker26	SWAP

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
GBP-SONIA-OIS-11:00-ICAP	SONIA-OIS-11:00-ICAP
GBP-SONIA-OIS-11:00-TRADITION	SONIA-OIS-11:00-TRADITION
GBP-SONIA-OIS-4:15-TRADITION	SONIA-OIS-4:15-TRADITION
GBP-WMBA-SONIA-COMPOUND	WMBA-SONIA-COMPOUND
GBP-WMBA-SONIA-COMPOUND	WMBA-SONIA-COMPOUND
GBP-SONIA-COMPOUND	SONIA-COMPOUND
GRD-ATHIBOR-ATHIBOR	ATHIBOR-ATHIBOR
GRD-ATHIBOR-Reference Banks	ATHIBOR-Reference Banks
GRD-ATHIBOR-Telerate	ATHIBOR-Telerate
GRD-ATHIMID-Reference Banks	ATHIMID-Reference Banks
GRD-ATHIMID-Reuters	ATHIMID-Reuters
HKD-HIBOR-HIBOR-Bloomberg	HIBOR-HIBOR-Bloomberg
HKD-HIBOR-HIBOR=	HIBOR-HIBOR
HKD-HIBOR-HKAB	HIBOR-HKAB
HKD-HIBOR-HKAB-Bloomberg	HIBOR-HKAB-Bloomberg
HKD-HIBOR-ISDC	HIBOR-ISDC
HKD-HIBOR-Reference Banks	HIBOR-Reference Banks
HKD-HONIX-OIS-COMPOUND	HONIX-OIS-COMPOUND
HKD-ISDA-Swap Rate-11:00	SWAP
HKD-ISDA-Swap Rate-4:00	SWAP
HKD-Quarterly-Annual Swap Rate-11:00-BGCANTOR	SWAP
HKD-Quarterly-Annual Swap Rate-11:00-TRADITION	SWAP
HKD-Quarterly-Annual Swap Rate-4:00-BGCANTOR	SWAP
HKD-Quarterly-Annual Swap Rate-Reference Banks	SWAP
HKD-Quarterly-Quarterly Swap Rate-11:00-ICAP	SWAP
HKD-Quarterly-Quarterly Swap Rate-4:00-ICAP	SWAP
HKD-Quarterly-Quarterly Swap Rate-Reference Banks	SWAP
HUF-BUBOR-Reference Banks	BUBO
HUF-BUBOR-Reuters	BUBO
IDR-IDMA-Bloomberg	IDMA-Bloomberg
IDR-IDRFIX	IDRFIX
IDR-JIBOR-Reuters	JIBOR-Reuters
IDR-SBI-Reuters	SBI-Reuters
IDR-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
IDR-Semi-Annual Swap Rate-Reference Banks	SWAP
IDR-SOR-Reference Banks	SOR-Reference Banks
IDR-SOR-Reuters	SOR-Reuters
IDR-SOR-Telerate	SOR-Telerate
ILS-TELBOR-Reference Banks	TLBO
ILS-TELBOR01-Reuters	TLBO
INR-BMK	BMK
INR-CMT	CMT
INR-FBIL-MIBOR-OIS-COMPOUND	FBIL-MIBOR-OIS-COMPOUND
INR-INBMK-REUTERS	INBMK-REUTERS
INR-MIBOR-OIS-COMPOUND	MIBOR-OIS-COMPOUND
INR-MIFOR	MIFOR
INR-MIOIS	MIOIS
INR-MITOR-OIS-COMPOUND	MITOR-OIS-COMPOUND
INR-Reference Banks	Reference Banks
INR-Semi Annual Swap Rate-Non-deliverable-16:00-Tullett Prebon	SWAP
INR-Semi-Annual Swap Rate-11:30-BGCANTOR	SWAP
INR-Semi-Annual Swap Rate-Reference Banks	SWAP
ISK-REIBOR-Reference Banks	REIBOR-Reference Banks

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
ISK-REIBOR-Reuters	REIBOR-Reuters
JPY USD-Basis Swaps-11:00-ICAP	SWAP
JPY-Annual Swap Rate-11:00-TRADITION	SWAP
JPY-Annual Swap Rate-3:00-TRADITION	SWAP
JPY-BBSF-Bloomberg-10:00	BBSF-Bloomberg-10:00
JPY-BBSF-Bloomberg-15:00	BBSF-Bloomberg-15:00
JPY-ISDA-Swap Rate-10:00	SWAP
JPY-ISDA-Swap Rate-15:00	SWAP
JPY-LIBOR-BBA	LIBO
JPY-LIBOR-BBA-Bloomberg	LIBO
JPY-LIBOR-FRASETT	LIBO
JPY-LIBOR-ISDA	LIBO
JPY-LIBOR-Reference Banks	LIBO
JPY-LTPR-MHCB	LTPR-MHCB
JPY-LTPR-TBC	LTPR-TBC
JPY-MUTANCALL-TONAR	MUTANCALL-TONAR
JPY-OIS-11:00-ICAP	OIS-11:00-ICAP
JPY-OIS-11:00-TRADITION	OIS-11:00-TRADITION
JPY-OIS-3:00-TRADITION	OIS-3:00-TRADITION
JPY-Quoting Banks-LIBOR	Quoting Banks-LIBOR
JPY-STPR-Quoting Banks	STPR-Quoting Banks
JPY-TIBOR-17096	TIBO
JPY-TIBOR-17097	TIBO
JPY-TIBOR-DTIBOR01	TIBO
JPY-TIBOR-TIBM	TIBO
JPY-TIBOR-TIBM (10 Banks)	TIBO
JPY-TIBOR-TIBM (5 Banks)	TIBO
JPY-TIBOR-TIBM (All Banks)	TIBO
JPY-TIBOR-TIBM (All Banks)-Bloomberg	TIBO
JPY-TIBOR-TIBM-Reference Banks	TIBO
JPY-TIBOR-ZTIBOR	TIBO
JPY-TONA-OIS-COMPOUND	TONA-OIS-COMPOUND
JPY-TSR-Reference Banks	TSR-Reference Banks
JPY-TSR-Reuters-10:00	TSR-Reuters-10:00
JPY-TSR-Reuters-15:00	TSR-Reuters-15:00
JPY-TSR-Telerate-10:00	TSR-Telerate-10:00
JPY-TSR-Telerate-15:00	TSR-Telerate-15:00
KRW-Bond-3222	Bond-3222
KRW-CD-3220	CD-3220
KRW-CD-KSDA-Bloomberg	CD-KSDA-Bloomberg
KRW-Quarterly Annual Swap Rate-3:30-ICAP	SWAP
MXN-TIIE-Banxico	TIIE-Banxico
MXN-TIIE-Banxico-Bloomberg	TIIE-Banxico-Bloomberg
MXN-TIIE-Banxico-Reference Banks	TIIE-Banxico-Reference Ba
MYR-KLIBOR-BNM	KLIBOR-BNM
MYR-KLIBOR-Reference Banks	KLIBOR-Reference Banks
MYR-Quarterly Swap Rate-11:00-TRADITION	SWAP
MYR-Quarterly Swap Rate-TRADITION-Reference Banks	SWAP
NOK-NIBOR-NIBR	NIBO
NOK-NIBOR-NIBR-Reference Banks	NIBO
NOK-NIBOR-OIBOR	NIBO
NOK-NIBOR-Reference Banks	NIBO
NZD-BBR-BID	BBR-BID

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
NZD-BBR-FRA	BBR-FRA
NZD-BBR-ISDC	BBR-ISDC
NZD-BBR-Reference Banks	BBR-Reference Banks
NZD-BBR-Telerate	BBR-Telerate
NZD-NZIONA-OIS-COMPOUND	NZIONA-OIS-COMPOUND
NZD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
NZD-Semi-Annual Swap Rate-BGCANTOR-Reference Banks	SWAP
NZD-Swap Rate-ICAP	SWAP
NZD-Swap Rate-ICAP-Reference Banks	SWAP
PHP-PHIREF-BAP	PHIREF-BAP
PHP-PHIREF-Bloomberg	PHIREF-Bloomberg
PHP-PHIREF-Reference Banks	PHIREF-Reference Banks
PHP-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
PHP-Semi-Annual Swap Rate-Reference Banks	SWAP
PLN-POLONIA-OIS-COMPOUND	POLONIA-OIS-COMPOUND
PLN-WIBOR-Reference Banks	WIBO
PLN-WIBOR-WIBO	WIBO
PLZ-WIBOR-Reference Banks	WIBO
PLZ-WIBOR-WIBO	WIBO
REPOFUNDS RATE-FRANCE-OIS-COMPOUND	FUNDS RATE-FRANCE-OIS-COM
REPOFUNDS RATE-GERMANY-OIS-COMPOUND	FUNDS RATE-GERMANY-OIS-CO
REPOFUNDS RATE-ITALY-OIS-COMPOUND	FUNDS RATE-ITALY-OIS-COMP
RON-Annual Swap Rate-11:00-BGCANTOR	SWAP
RON-Annual Swap Rate-Reference Banks	SWAP
RON-RBOR-Reuters	RBOR-Reuters
RUB-Annual Swap Rate-11:00-BGCANTOR	SWAP
RUB-Annual Swap Rate-12:45-TRADITION	SWAP
RUB-Annual Swap Rate-4:15-TRADITION	SWAP
RUB-Annual Swap Rate-Reference Banks	SWAP
RUB-Annual Swap Rate-TRADITION-Reference Banks	SWAP
RUB-MOSPRIME-NFEA	MOSP
RUB-MOSPRIME-Reference Banks	MOSP
RUB-RUONIA-OIS-COMPOUND	RUONIA-OIS-COMPOUND
SAR-SRIOR-Reference Banks	SRIOR-Reference Banks
SAR-SRIOR-SUAA	SRIOR-SUAA
SEK-Annual Swap Rate	SWAP
SEK-Annual Swap Rate-SESWFI	SWAP
SEK-SIOR-OIS-COMPOUND	SIOR-OIS-COMPOUND
SEK-STIBOR-Bloomberg	STBO
SEK-STIBOR-Reference Banks	STBO
SEK-STIBOR-SIDE	STBO
SGD-Semi-Annual Currency Basis Swap Rate-11:00-Tullett Prebon	SWAP
SGD-Semi-Annual Currency Basis Swap Rate-16:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-11.00-TRADITION	SWAP
SGD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
SGD-Semi-Annual Swap Rate-11:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-16:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-ICAP	SWAP
SGD-Semi-Annual Swap Rate-ICAP-Reference Banks	SWAP
SGD-Semi-Annual Swap Rate-Reference Banks	SWAP
SGD-Semi-Annual Swap Rate-TRADITION-Reference Banks	SWAP
SGD-SIBOR-Reference Banks	SIBOR-Reference Banks
SGD-SIBOR-Reuters	SIBOR-Reuters

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
SGD-SIBOR-Telerate	SIBOR-Telerate
SGD-SONAR-OIS-COMPOUND	SONAR-OIS-COMPOUND
SGD-SONAR-OIS-VWAP-COMPOUND	SONAR-OIS-VWAP-COMPOUND
SGD-SOR-Reference Banks	SOR-Reference Banks
SGD-SOR-Reuters	SOR-Reuters
SGD-SOR-Telerate	SOR-Telerate
SGD-SOR-VWAP	SOR-VWAP
SGD-SOR-VWAP-Reference Banks	SOR-VWAP-Reference Banks
SKK-BRIBOR-Bloomberg	BRIBOR-Bloomberg
SKK-BRIBOR-BRBO	BRIBOR-BRBO
SKK-BRIBOR-NBSK07	BRIBOR-NBSK07
SKK-BRIBOR-Reference Banks	BRIBOR-Reference Banks
THB-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
THB-Semi-Annual Swap Rate-Reference Banks	SWAP
THB-SOR-Reference Banks	SOR-Reference Banks
THB-SOR-Reuters	SOR-Reuters
THB-SOR-Telerate	SOR-Telerate
THB-THBFIX-Reference Banks	THBFIX-Reference Banks
THB-THBFIX-Reuters	THBFIX-Reuters
TRY Annual Swap Rate-11:00-TRADITION	SWAP
TRY-Annual Swap Rate-11:15-BGCANTOR	SWAP
TRY-Annual Swap Rate-Reference Banks	SWAP
TRY-Semi-Annual Swap Rate-TRADITION-Reference Banks	SWAP
TRY-TRYIBOR-Reference Banks	TRYIBOR-Reference Banks
TRY-TRYIBOR-Reuters	TRYIBOR-Reuters
TWD-Quarterly-Annual Swap Rate-11:00-BGCANTOR	SWAP
TWD-Quarterly-Annual Swap Rate-Reference Banks	SWAP
TWD-Reference Dealers	Reference Dealers
TWD-Reuters-6165	Reuters-6165
TWD-TAIBIR01	TAIBIR01
TWD-TAIBIR02	TAIBIR02
TWD-TAIBOR-Bloomberg	TAIBOR-Bloomberg
TWD-TAIBOR-Reuters	TAIBOR-Reuters
TWD-Telerate-6165	Telerate-6165
TWD-TWCPBA	TWCPBA
USD-3M LIBOR SWAP-CME vs LCH-ICAP	LIBO
USD-3M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	LIBO
USD-6M LIBOR SWAP-CME vs LCH-ICAP	LIBO
USD-6M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	LIBO
USD-Annual Swap Rate-11:00-BGCANTOR	SWAP
USD-Annual Swap Rate-11:00-TRADITION	SWAP
USD-Annual Swap Rate-4:00-TRADITION	SWAP
USD-BA-H.15	BA-H.15
USD-BA-Reference Dealers	BA-Reference Dealers
USD-BMA Municipal Swap Index	MAAA
USD-CD-H.15	CD-H.15
USD-CD-Reference Dealers	CD-Reference Dealers
USD-CMS-Reference Banks	CMS-Reference Banks
USD-CMS-Reference Banks-ICAP SwapPX	CMS-Reference Banks-ICAP
USD-CMS-Reuters	CMS-Reuters
USD-CMS-Telerate	CMS-Telerate
USD-CMT-T7051	CMT-T7051
USD-CMT-T7052	CMT-T7052

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
USD-COF11-FHLBSF	COF11-FHLBSF
USD-COF11-Reuters	COF11-Reuters
USD-COF11-Telerate	COF11-Telerate
USD-CP-H.15	CP-H.15
USD-CP-Reference Dealers	CP-Reference Dealers
USD-Federal Funds-H.15	Federal Funds-H.15
USD-Federal Funds-H.15-Bloomberg	Federal Funds-H.15-Bloomb
USD-Federal Funds-H.15-OIS-COMPOUND	Federal Funds-H.15-OIS-CO
USD-Federal Funds-Reference Dealers	Federal Funds-Reference D
USD-FFCB-DISCO	FFCB-DISCO
USD-ISDA-Swap Rate	SWAP
USD-ISDA-Swap Rate-3:00	SWAP
USD-ISDAFIX3-Swap Rate	SWAP
USD-ISDAFIX3-Swap Rate-3:00	SWAP
USD-LIBOR-BBA	LIBO
USD-LIBOR-BBA-Bloomberg	LIBO
USD-LIBOR-ISDA	LIBO
USD-LIBOR-LIBO	LIBO
USD-LIBOR-Reference Banks	LIBO
USD-Municipal Swap Libor Ratio-11:00-ICAP	SWAP
USD-Municipal Swap Rate-11:00-ICAP	SWAP
USD-OIS-11:00-BGCANTOR	OIS-11:00-BGCANTOR
USD-OIS-11:00-LON-ICAP	OIS-11:00-LON-ICAP
USD-OIS-11:00-NY-ICAP	OIS-11:00-NY-ICAP
USD-OIS-11:00-TRADITION	OIS-11:00-TRADITION
USD-OIS-3:00-BGCANTOR	OIS-3:00-BGCANTOR
USD-OIS-3:00-NY-ICAP	OIS-3:00-NY-ICAP
USD-OIS-4:00-TRADITION	OIS-4:00-TRADITION
USD-Overnight Bank Funding Rate	Overnight Bank Funding Ra
USD-Prime-H.15	Prime-H.15
USD-Prime-Reference Banks	Prime-Reference Banks
USD-S&P Index-High Grade	S&P Index-High Grade
USD-SIBOR-Reference Banks	SIBOR-Reference Banks
USD-SIBOR-SIBO	SIBOR-SIBO
USD-SIFMA Municipal Swap Index	MAAA
USD-SOFR-COMPOUND	SOFR-COMPOUND
USD-TBILL-H.15	TBILL-H.15
USD-TBILL-H.15-Bloomberg	TBILL-H.15-Bloomberg
USD-TBILL-Secondary Market	TBILL-Secondary Market
USD-TIBOR-ISDC	TIBO
USD-TIBOR-Reference Banks	TIBO
USD-Treasury Rate-ICAP BrokerTec	TREA
USD-Treasury Rate-SwapMarker100	TREA
USD-Treasury Rate-SwapMarker99	TREA
USD-Treasury Rate-T19901	TREA
USD-Treasury Rate-T500	TREA
USD-Treasury-19901-3:00-ICAP	TREA
VND-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
VND-Semi-Annual Swap Rate-Reference Banks	SWAP
ZAR-DEPOSIT-Reference Banks	DEPOSIT-Reference Banks
ZAR-DEPOSIT-SAFEX	DEPOSIT-SAFEX
ZAR-JIBAR-Reference Banks	JIBA
ZAR-JIBAR-SAFEX	JIBA

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
ZAR-PRIME-AVERAGE	PRIME-AVERAGE
ZAR-PRIME-AVERAGE-Reference Banks	PRIME-AVERAGE-Reference B
ZAR-Quarterly Swap Rate-1:00-TRADITION	SWAP
ZAR-Quarterly Swap Rate-5:30-TRADITION	SWAP
ZAR-Quarterly Swap Rate-TRADITION-Reference Banks	SWAP

2.2 Rates CPI

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
AUD-CPI	CPI
AUS-CPI	AUS-CPI
AUS-HICP	AUS-HICP
BLG-CPI-GI	BLG-CPI-GI
BLG-CPI-HI	BLG-CPI-HI
BLG-HICP	BLG-HICP
BRL-IGPM	IGPM
BRL-IPCA	IPCA
CAD-CPI	CPI
CLP-CPI	CPI
CNY-CPI	CPI
CZK-CPI	CPI
DEK-CPI	DEK-CPI
DEK-HICP	DEK-HICP
DEM-CPI	DEM-CPI
DEM-CPI-NRW	DEM-CPI-NRW
DEM-HICP	DEM-HICP
ESP-CPI	ESP-CPI
ESP-HICP	ESP-HICP
ESP-R-CPI	ESP-R-CPI
ESP-R-HICP	ESP-R-HICP
EUR-AI-CPI	AI-CPI
EUR-AI-R-CPI	AI-R-CPI
EUR-EXT-CPI	EXT-CPI
EUR-EXT-R-CPI	EXT-R-CP
FIN-CPI	FIN-CPI
FIN-HICP	FIN-HICP
FRC-EXT-CPI	FRC-EXT-CPI
FRC-HICP	FRC-HICP
GRD-CPI	GRD-CPI
GRD-HICP	GRD-HICP
HKD-CPI	CPI
HUF-CPI	CPI
IDR-CPI	CPI
ILS-CPI	CPI
IRL-CPI	IRL-CPI
IRL-HICP	IRL-HICP
ISK-CPI	CPI
ISK-HICP	HICP
ITL-BC-EXT-CPI	ITL-BC-EXT-CPI
ITL-BC-INT-CPI	ITL-BC-INT-CPI
ITL-HICP	ITL-HICP
ITL-WC-EXT-CPI	ITL-WC-EXT-CPI
ITL-WC-INT-CPI	ITL-WC-INT-CPI
JPY-CPI-EXF	CPI-EXF
KRW-CPI	CPI
LUX-CPI	LUX-CPI
LUX-HICP	LUX-HICP
MXN-CPI	CPI
MXN-UDI	UDI
MYR-CPI	CPI

Reference Rate	ISO Reference Rate (Alphanumeric 25 characters)
NLG-CPI	NLG-CPI
NLG-HICP	NLG-HICP
NOK-CPI	CPI
NZD-CPI	CPI
PER-CPI	PER-CPI
PLN-CPI	CPI
POR-CPI	POR-CPI
POR-HICP	POR-HICP
RUB-CPI	CPI
SEK-CPI	CPI
SGD-CPI	CPI
SWF-CPI	SWF-CPI
TRY-CPI	CPI
TWD-CPI	CPI
UK-HICP	UK-HICP
UK-RPI	UK-RPI
UK-RPIX	UK-RPIX
USA-CPI-U	USA-CPI-U
ZAR-CPI	CPI
ZAR-CPIX	CPIX

2.3 Rates – CapFloor

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
AED-EBOR-Reuters	EBOR-Reuters
AUD-AONIA-OIS-COMPOUND	AONIA-OIS-COMPOUND
AUD-AONIA-OIS-COMPOUND-SwapMarker	AONIA-OIS-COMPOUND-SwapMa
AUD-BBR-AUBBSW	BBR-AUBBSW
AUD-BBR-BBSW	BBSW
AUD-BBR-BBSW-Bloomberg	BBSW
AUD-BBR-BBSY (BID)	BBR-BBSY (BID)
AUD-BBR-ISDC	BBR-ISDC
AUD-LIBOR-BBA	LIBO
AUD-LIBOR-BBA-Bloomberg	LIBO
AUD-LIBOR-Reference Banks	LIBO
AUD-Quarterly Swap Rate-ICAP	SWAP
AUD-Quarterly Swap Rate-ICAP-Reference Banks	SWAP
AUD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
AUD-Semi-Annual Swap Rate-BGCANTOR-Reference Banks	SWAP
AUD-Semi-annual Swap Rate-ICAP	SWAP
AUD-Semi-Annual Swap Rate-ICAP-Reference Banks	SWAP
AUD-Swap Rate-Reuters	SWAP
BRL-CDI	CDI
CAD-BA-CDOR	CDOR
CAD-BA-CDOR-Bloomberg	CDOR
CAD-BA-ISDD	BA-ISDD
CAD-BA-Reference Banks	BA-Reference Banks
CAD-BA-Reuters	BA-Reuters
CAD-BA-Telerate	BA-Telerate
CAD-CORRA-OIS-COMPOUND	CORRA-OIS-COMPOUND
CAD-ISDA-Swap Rate	SWAP
CAD-LIBOR-BBA	LIBO
CAD-LIBOR-BBA-Bloomberg	LIBO
CAD-LIBOR-BBA-SwapMarker	LIBO
CAD-LIBOR-Reference Banks	LIBO
CAD-REPO-CORRA	REPO-CORRA
CAD-TBILL-ISDD	TBILL-ISDD
CAD-TBILL-Reference Banks	TBILL-Reference Banks
CAD-TBILL-Reuters	TBILL-Reuters
CAD-TBILL-Telerate	TBILL-Telerate
CHF USD-Basis Swaps-11:00-ICAP	SWAP
CHF-3M LIBOR SWAP-CME vs LCH-ICAP	SWAP
CHF-3M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
CHF-3M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
CHF-3M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
CHF-6M LIBOR SWAP-CME vs LCH-ICAP	SWAP
CHF-6M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
CHF-6M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
CHF-6M LIBORSWAP-CME vs LCH-ICAP-Bloomberg	SWAP
CHF-Annual Swap Rate	SWAP
CHF-Annual Swap Rate-11:00-ICAP	SWAP
CHF-Annual Swap Rate-Reference Banks	SWAP
CHF-Basis Swap-3m vs 6m-LIBOR-11:00-ICAP	SWAP
CHF-ISDAFIX-Swap Rate	ISDA
CHF-LIBOR-BBA	LIBO

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
CHF-LIBOR-BBA-Bloomberg	LIBO
CHF-LIBOR-ISDA	LIBO
CHF-LIBOR-Reference Banks	LIBO
CHF-OIS-11:00-ICAP	OIS-11:00-ICAP
CHF-SARON-OIS-COMPOUND	SARON-OIS-COMPOUND
CHF-TOIS-OIS-COMPOUND	TOIS-OIS-COMPOUND
CL-CLICP-Bloomberg	CL-CLICP-Bloomberg
CNH-HIBOR-Reference Banks	HIBOR-Reference Banks
CNH-HIBOR-TMA	HIBOR-TMA
CNY 7-Repo Compounding Date	7-Repo Compounding Date
CNY-CNREPOFIX=CFXS-Reuters	CNREPOFIX=CFXS-Reuters
CNY-PBOCB-Reuters	PBOCB-Reuters
CNY-Quarterly 7 day Repo Non Deliverable Swap Rate-TRADITION	SWAP
CNY-Quarterly 7 day Repo Non Deliverable Swap Rate-TRADITION-Reference Banks	SWAP
CNY-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
CNY-Semi-Annual Swap Rate-Reference Banks	SWAP
CNY-Shibor-OIS-Compounding	Shibor-OIS-Compounding
CNY-SHIBOR-Reuters	SHIBOR-Reuters
COP-IBR-OIS-COMPOUND	IBR-OIS-COMPOUND
CZK-Annual Swap Rate-11:00-BGCANTOR	SWAP
CZK-Annual Swap Rate-Reference Banks	SWAP
CZK-PRIBOR-PRBO	PRBO
CZK-PRIBOR-Reference Banks	PRBO
DKK-CIBOR-DKNA13	CIBO
DKK-CIBOR-DKNA13-Bloomberg	CIBO
DKK-CIBOR-Reference Banks	CIBO
DKK-CIBOR2-Bloomberg	CIBO
DKK-CIBOR2-DKNA13	CIBO
DKK-CITA-DKNA14-COMPOUND	CITA-DKNA14-COMPOUND
DKK-DKKOIS-OIS-COMPOUND	DKKOIS-OIS-COMPOUND
EUR Basis Swap-EONIA vs 3m EUR+IBOR Swap Rates-A/360-10:00-ICAP	SWAP
EUR EURIBOR-Annual Bond Swap vs 1m-11:00-ICAP	SWAP
EUR EURIBOR-Basis Swap-1m vs 3m-Euribor-11:00-ICAP	SWAP
EUR EURIBOR-Basis Swap-3m vs 6m-11:00-ICAP	SWAP
EUR USD-Basis Swaps-11:00-ICAP	SWAP
EUR-3M EURIBOR SWAP-CME vs LCH-ICAP	SWAP
EUR-3M EURIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
EUR-3M EURIBOR SWAP-EUREX vs LCH-ICAP	SWAP
EUR-3M EURIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
EUR-6M EURIBOR SWAP-CME vs LCH-ICAP	SWAP
EUR-6M EURIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
EUR-6M EURIBOR SWAP-EUREX vs LCH-ICAP	SWAP
EUR-6M EURIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
EUR-Annual Swap Rate-10:00	SWAP
EUR-Annual Swap Rate-10:00-BGCANTOR	SWAP
EUR-Annual Swap Rate-10:00-Bloomberg	SWAP
EUR-Annual Swap Rate-10:00-ICAP	SWAP
EUR-Annual Swap Rate-10:00-SwapMarker	SWAP
EUR-Annual Swap Rate-10:00-TRADITION	SWAP
EUR-Annual Swap Rate-11:00	SWAP
EUR-Annual Swap Rate-11:00-Bloomberg	SWAP
EUR-Annual Swap Rate-11:00-ICAP	SWAP
EUR-Annual Swap Rate-11:00-SwapMarker	SWAP

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
EUR-Annual Swap Rate-3 Month	SWAP
EUR-Annual Swap Rate-3 Month-SwapMarker	SWAP
EUR-Annual Swap Rate-4:15-TRADITION	SWAP
EUR-Annual Swap Rate-Reference Banks	SWAP
EUR-EONIA-AVERAGE	EONA
EUR-EONIA-OIS-10:00-BGCANTOR	EONA
EUR-EONIA-OIS-10:00-ICAP	EONA
EUR-EONIA-OIS-10:00-TRADITION	EONA
EUR-EONIA-OIS-11:00-ICAP	EONA
EUR-EONIA-OIS-4:15-TRADITION	EONA
EUR-EONIA-OIS-COMPOUND	EONA
EUR-EONIA-OIS-COMPOUND-Bloomberg	EONA
EUR-EONIA-Swap-Index	EONS
EUR-EURIBOR-Act/365	EURI
EUR-EURIBOR-Act/365-Bloomberg	EURI
EUR-EURIBOR-Reference Banks	EURI
EUR-EURIBOR-Reuters	EURI
EUR-EURIBOR-Telerate	EURI
EUR-EURONIA-OIS-COMPOUND	EURI
EUR-ISDA-EURIBOR Swap Rate-11:00	EURI
EUR-ISDA-EURIBOR Swap Rate-12:00	EURI
EUR-ISDA-LIBOR Swap Rate-10:00	LIBO
EUR-ISDA-LIBOR Swap Rate-11:00	LIBO
EUR-LIBOR-BBA	LIBO
EUR-LIBOR-BBA-Bloomberg	LIBO
EUR-LIBOR-Reference Banks	LIBO
EUR-TAM-CDC	TAM-CDC
EUR-TEC10-CNO	TEC10-CNO
EUR-TEC10-CNO-SwapMarker	TEC10-CNO-SwapMarker
EUR-TEC10-Reference Banks	TEC10-Reference Banks
EUR-TEC5-CNO	TEC5-CNO
EUR-TEC5-CNO-SwapMarker	TEC5-CNO-SwapMarker
EUR-TEC5-Reference Banks	TEC5-Reference Banks
EUR-TMM-CDC-COMPOUND	TMM-CDC-COMPOUND
GBP USD-Basis Swaps-11:00-ICAP	SWAP
GBP-6M LIBOR SWAP-CME vs LCH-ICAP	SWAP
GBP-6M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	SWAP
GBP-6M LIBOR SWAP-EUREX vs LCH-ICAP	SWAP
GBP-6M LIBOR SWAP-EUREX vs LCH-ICAP-Bloomberg	SWAP
GBP-ISDA-Swap Rate	SWAP
GBP-LIBOR-BBA	LIBO
GBP-LIBOR-BBA-Bloomberg	LIBO
GBP-LIBOR-ISDA	LIBO
GBP-LIBOR-Reference Banks	LIBO
GBP-Semi Annual Swap Rate-11:00-TRADITION	SWAP
GBP-Semi Annual Swap Rate-4:15-TRADITION	SWAP
GBP-Semi-Annual Swap Rate	SWAP
GBP-Semi-Annual Swap Rate-11:00-ICAP	SWAP
GBP-Semi-Annual Swap Rate-Reference Banks	SWAP
GBP-Semi-Annual Swap Rate-SwapMarker26	SWAP
GBP-SONIA-OIS-11:00-ICAP	SONIA-OIS-11:00-ICAP
GBP-SONIA-OIS-11:00-TRADITION	SONIA-OIS-11:00-TRADITION
GBP-SONIA-OIS-4:15-TRADITION	SONIA-OIS-4:15-TRADITION

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
GBP-WMBA-RONIA-COMPOUND	WMBA-RONIA-COMPOUND
GBP-WMBA-SONIA-COMPOUND	WMBA-SONIA-COMPOUND
GBP-SONIA-COMPOUND	SONIA-COMPOUND
GRD-ATHIBOR-ATHIBOR	ATHIBOR-ATHIBOR
GRD-ATHIBOR-Reference Banks	ATHIBOR-Reference Banks
GRD-ATHIBOR-Telerate	ATHIBOR-Telerate
GRD-ATHIMID-Reference Banks	ATHIMID-Reference Banks
GRD-ATHIMID-Reuters	ATHIMID-Reuters
HKD-HIBOR-HIBOR-Bloomberg	HIBOR-HIBOR-Bloomberg
HKD-HIBOR-HIBOR=	HIBOR-HIBOR
HKD-HIBOR-HKAB	HIBOR-HKAB
HKD-HIBOR-HKAB-Bloomberg	HIBOR-HKAB-Bloomberg
HKD-HIBOR-ISDC	HIBOR-ISDC
HKD-HIBOR-Reference Banks	HIBOR-Reference Banks
HKD-HONIX-OIS-COMPOUND	HONIX-OIS-COMPOUND
HKD-ISDA-Swap Rate-11:00	SWAP
HKD-ISDA-Swap Rate-4:00	SWAP
HKD-Quarterly-Annual Swap Rate-11:00-BGCANTOR	SWAP
HKD-Quarterly-Annual Swap Rate-11:00-TRADITION	SWAP
HKD-Quarterly-Annual Swap Rate-4:00-BGCANTOR	SWAP
HKD-Quarterly-Annual Swap Rate-Reference Banks	SWAP
HKD-Quarterly-Quarterly Swap Rate-11:00-ICAP	SWAP
HKD-Quarterly-Quarterly Swap Rate-4:00-ICAP	SWAP
HKD-Quarterly-Quarterly Swap Rate-Reference Banks	SWAP
HUF-BUBOR-Reference Banks	BUBO
HUF-BUBOR-Reuters	BUBO
IDR-IDMA-Bloomberg	IDMA-Bloomberg
IDR-IDRFIX	IDRFIX
IDR-JIBOR-Reuters	JIBOR-Reuters
IDR-SBI-Reuters	SBI-Reuters
IDR-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
IDR-Semi-Annual Swap Rate-Reference Banks	SWAP
IDR-SOR-Reference Banks	SOR-Reference Banks
IDR-SOR-Reuters	SOR-Reuters
IDR-SOR-Telerate	SOR-Telerate
ILS-TELBOR-Reference Banks	TLBO
ILS-TELBOR01-Reuters	TLBO
INR-BMK	BMK
INR-CMT	CMT
INR-FBIL-MIBOR-OIS-COMPOUND	FBIL-MIBOR-OIS-COMPOUND
INR-INBMK-REUTERS	INBMK-REUTERS
INR-MIBOR-OIS-COMPOUND	MIBOR-OIS-COMPOUND
INR-MIFOR	MIFOR
INR-MIOIS	MIOIS
INR-MITOR-OIS-COMPOUND	MITOR-OIS-COMPOUND
INR-Reference Banks	Reference Banks
INR-Semi Annual Swap Rate-Non-deliverable-16:00-Tullett Prebon	SWAP
INR-Semi-Annual Swap Rate-11:30-BGCANTOR	SWAP
INR-Semi-Annual Swap Rate-Reference Banks	SWAP
ISK-REIBOR-Reference Banks	REIBOR-Reference Banks
ISK-REIBOR-Reuters	REIBOR-Reuters
JPY USD-Basis Swaps-11:00-ICAP	SWAP
JPY-Annual Swap Rate-11:00-TRADITION	SWAP

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
JPY-Annual Swap Rate-3:00-TRADITION	SWAP
JPY-BBSF-Bloomberg-10:00	BBSF-Bloomberg-10:00
JPY-BBSF-Bloomberg-15:00	BBSF-Bloomberg-15:00
JPY-ISDA-Swap Rate-10:00	SWAP
JPY-ISDA-Swap Rate-15:00	SWAP
JPY-LIBOR-BBA	LIBO
JPY-LIBOR-BBA-Bloomberg	LIBO
JPY-LIBOR-FRASETT	LIBO
JPY-LIBOR-ISDA	LIBO
JPY-LIBOR-Reference Banks	LIBO
JPY-LTPR-MHCB	LTPR-MHCB
JPY-LTPR-TBC	LTPR-TBC
JPY-MUTANCALL-TONAR	MUTANCALL-TONAR
JPY-OIS-11:00-ICAP	OIS-11:00-ICAP
JPY-OIS-11:00-TRADITION	OIS-11:00-TRADITION
JPY-OIS-3:00-TRADITION	OIS-3:00-TRADITION
JPY-Quoting Banks-LIBOR	Quoting Banks-LIBOR
JPY-STPR-Quoting Banks	STPR-Quoting Banks
JPY-TIBOR-17096	TIBO
JPY-TIBOR-17097	TIBO
JPY-TIBOR-DTIBOR01	TIBO
JPY-TIBOR-TIBM	TIBO
JPY-TIBOR-TIBM (10 Banks)	TIBO
JPY-TIBOR-TIBM (5 Banks)	TIBO
JPY-TIBOR-TIBM (All Banks)	TIBO
JPY-TIBOR-TIBM (All Banks)-Bloomberg	TIBO
JPY-TIBOR-TIBM-Reference Banks	TIBO
JPY-TIBOR-ZTIBOR	TIBO
JPY-TONA-OIS-COMPOUND	TONA-OIS-COMPOUND
JPY-TSR-Reference Banks	TSR-Reference Banks
JPY-TSR-Reuters-10:00	TSR-Reuters-10:00
JPY-TSR-Reuters-15:00	TSR-Reuters-15:00
JPY-TSR-Telerate-10:00	TSR-Telerate-10:00
JPY-TSR-Telerate-15:00	TSR-Telerate-15:00
KRW-Bond-3222	Bond-3222
KRW-CD-3220	CD-3220
KRW-CD-KSDA-Bloomberg	CD-KSDA-Bloomberg
KRW-Quarterly Annual Swap Rate-3:30-ICAP	SWAP
MXN-TIIE-Banxico	TIIE-Banxico
MXN-TIIE-Banxico-Bloomberg	TIIE-Banxico-Bloomberg
MXN-TIIE-Banxico-Reference Banks	TIIE-Banxico-Reference Ba
MYR-KLIBOR-BNM	KLIBOR-BNM
MYR-KLIBOR-Reference Banks	KLIBOR-Reference Banks
MYR-Quarterly Swap Rate-11:00-TRADITION	SWAP
MYR-Quarterly Swap Rate-TRADITION-Reference Banks	SWAP
NOK-NIBOR-NIBR	NIBO
NOK-NIBOR-NIBR-Reference Banks	NIBO
NOK-NIBOR-OIBOR	NIBO
NOK-NIBOR-Reference Banks	NIBO
NZD-BBR-BID	BBR-BID
NZD-BBR-FRA	BBR-FRA
NZD-BBR-ISDC	BBR-ISDC
NZD-BBR-Reference Banks	BBR-Reference Banks

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NZD-BBR-Telerate	BBR-Telerate
NZD-NZIONA-OIS-COMPOUND	NZIONA-OIS-COMPOUND
NZD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
NZD-Semi-Annual Swap Rate-BGCANTOR-Reference Banks	SWAP
NZD-Swap Rate-ICAP	SWAP
NZD-Swap Rate-ICAP-Reference Banks	SWAP
PHP-PHIREF-BAP	PHIREF-BAP
PHP-PHIREF-Bloomberg	PHIREF-Bloomberg
PHP-PHIREF-Reference Banks	PHIREF-Reference Banks
PHP-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
PHP-Semi-Annual Swap Rate-Reference Banks	SWAP
PLN-POLONIA-OIS-COMPOUND	POLONIA-OIS-COMPOUND
PLN-WIBOR-Reference Banks	WIBO
PLN-WIBOR-WIBO	WIBO
PLZ-WIBOR-Reference Banks	WIBO
PLZ-WIBOR-WIBO	WIBO
REPOFUNDS RATE-FRANCE-OIS-COMPOUND	FUNDS RATE-FRANCE-OIS-COM
REPOFUNDS RATE-GERMANY-OIS-COMPOUND	FUNDS RATE-GERMANY-OIS-CO
REPOFUNDS RATE-ITALY-OIS-COMPOUND	FUNDS RATE-ITALY-OIS-COMP
RON-Annual Swap Rate-11:00-BGCANTOR	SWAP
RON-Annual Swap Rate-Reference Banks	SWAP
RON-RBOR-Reuters	RBOR-Reuters
RUB-Annual Swap Rate-11:00-BGCANTOR	SWAP
RUB-Annual Swap Rate-12:45-TRADITION	SWAP
RUB-Annual Swap Rate-4:15-TRADITION	SWAP
RUB-Annual Swap Rate-Reference Banks	SWAP
RUB-Annual Swap Rate-TRADITION-Reference Banks	SWAP
RUB-MOSPRIME-NFEA	MOSP
RUB-MOSPRIME-Reference Banks	MOSP
RUB-RUONIA-OIS-COMPOUND	RUONIA-OIS-COMPOUND
SAR-SRIOR-Reference Banks	SRIOR-Reference Banks
SAR-SRIOR-SUAA	SRIOR-SUAA
SEK-Annual Swap Rate	SWAP
SEK-Annual Swap Rate-SESWFI	SWAP
SEK-SIOR-OIS-COMPOUND	SIOR-OIS-COMPOUND
SEK-STIBOR-Bloomberg	STBO
SEK-STIBOR-Reference Banks	STBO
SEK-STIBOR-SIDE	STBO
SGD-Semi-Annual Currency Basis Swap Rate-11:00-Tullett Prebon	SWAP
SGD-Semi-Annual Currency Basis Swap Rate-16:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-11.00-TRADITION	SWAP
SGD-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
SGD-Semi-Annual Swap Rate-11:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-16:00-Tullett Prebon	SWAP
SGD-Semi-Annual Swap Rate-ICAP	SWAP
SGD-Semi-Annual Swap Rate-ICAP-Reference Banks	SWAP
SGD-Semi-Annual Swap Rate-Reference Banks	SWAP
SGD-Semi-Annual Swap Rate-TRADITION-Reference Banks	SWAP
SGD-SIBOR-Reference Banks	SIBOR-Reference Banks
SGD-SIBOR-Reuters	SIBOR-Reuters
SGD-SIBOR-Telerate	SIBOR-Telerate
SGD-SONAR-OIS-COMPOUND	SONAR-OIS-COMPOUND
SGD-SONAR-OIS-VWAP-COMPOUND	SONAR-OIS-VWAP-COMPOUND

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
SGD-SOR-Reference Banks	SOR-Reference Banks
SGD-SOR-Reuters	SOR-Reuters
SGD-SOR-Telerate	SOR-Telerate
SGD-SOR-VWAP	SOR-VWAP
SGD-SOR-VWAP-Reference Banks	SOR-VWAP-Reference Banks
SKK-BRIBOR-Bloomberg	BRIBOR-Bloomberg
SKK-BRIBOR-BRBO	BRIBOR-BRBO
SKK-BRIBOR-NBSK07	BRIBOR-NBSK07
SKK-BRIBOR-Reference Banks	BRIBOR-Reference Banks
THB-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
THB-Semi-Annual Swap Rate-Reference Banks	SWAP
THB-SOR-Reference Banks	SOR-Reference Banks
THB-SOR-Reuters	SOR-Reuters
THB-SOR-Telerate	SOR-Telerate
THB-THBFIX-Reference Banks	THBFIX-Reference Banks
THB-THBFIX-Reuters	THBFIX-Reuters
TRY Annual Swap Rate-11:00-TRADITION	SWAP
TRY-Annual Swap Rate-11:15-BGCANTOR	SWAP
TRY-Annual Swap Rate-Reference Banks	SWAP
TRY-Semi-Annual Swap Rate-TRADITION-Reference Banks	SWAP
TRY-TRYIBOR-Reference Banks	TRYIBOR-Reference Banks
TRY-TRYIBOR-Reuters	TRYIBOR-Reuters
TWD-Quarterly-Annual Swap Rate-11:00-BGCANTOR	SWAP
TWD-Quarterly-Annual Swap Rate-Reference Banks	SWAP
TWD-Reference Dealers	Reference Dealers
TWD-Reuters-6165	Reuters-6165
TWD-TAIBIR01	TAIBIR01
TWD-TAIBIR02	TAIBIR02
TWD-TAIBOR-Bloomberg	TAIBOR-Bloomberg
TWD-TAIBOR-Reuters	TAIBOR-Reuters
TWD-Telerate-6165	Telerate-6165
TWD-TWCPBA	TWCPBA
USD-3M LIBOR SWAP-CME vs LCH-ICAP	LIBO
USD-3M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	LIBO
USD-6M LIBOR SWAP-CME vs LCH-ICAP	LIBO
USD-6M LIBOR SWAP-CME vs LCH-ICAP-Bloomberg	LIBO
USD-Annual Swap Rate-11:00-BGCANTOR	SWAP
USD-Annual Swap Rate-11:00-TRADITION	SWAP
USD-Annual Swap Rate-4:00-TRADITION	SWAP
USD-BA-H.15	BA-H.15
USD-BA-Reference Dealers	BA-Reference Dealers
USD-BMA Municipal Swap Index	MAAA
USD-CD-H.15	CD-H.15
USD-CD-Reference Dealers	CD-Reference Dealers
USD-CMS-Reference Banks	CMS-Reference Banks
USD-CMS-Reference Banks-ICAP SwapPX	CMS-Reference Banks-ICAP
USD-CMS-Reuters	CMS-Reuters
USD-CMS-Telerate	CMS-Telerate
USD-CMT-T7051	CMT-T7051
USD-CMT-T7052	CMT-T7052
USD-COF11-FHLBSF	COF11-FHLBSF
USD-COF11-Reuters	COF11-Reuters
USD-COF11-Telerate	COF11-Telerate

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
USD-CP-H.15	CP-H.15
USD-CP-Reference Dealers	CP-Reference Dealers
USD-Federal Funds-H.15	Federal Funds-H.15
USD-Federal Funds-H.15-Bloomberg	Federal Funds-H.15-Bloomb
USD-Federal Funds-H.15-OIS-COMPOUND	Federal Funds-H.15-OIS-CO
USD-Federal Funds-Reference Dealers	Federal Funds-Reference D
USD-FFCB-DISCO	FFCB-DISCO
USD-ISDA-Swap Rate	SWAP
USD-ISDA-Swap Rate-3:00	SWAP
USD-ISDAFIX3-Swap Rate	SWAP
USD-ISDAFIX3-Swap Rate-3:00	SWAP
USD-LIBOR-BBA	LIBO
USD-LIBOR-BBA-Bloomberg	LIBO
USD-LIBOR-ISDA	LIBO
USD-LIBOR-LIBO	LIBO
USD-LIBOR-Reference Banks	LIBO
USD-Municipal Swap Libor Ratio-11:00-ICAP	SWAP
USD-Municipal Swap Rate-11:00-ICAP	SWAP
USD-OIS-11:00-BGCANTOR	OIS-11:00-BGCANTOR
USD-OIS-11:00-LON-ICAP	OIS-11:00-LON-ICAP
USD-OIS-11:00-NY-ICAP	OIS-11:00-NY-ICAP
USD-OIS-11:00-TRADITION	OIS-11:00-TRADITION
USD-OIS-3:00-BGCANTOR	OIS-3:00-BGCANTOR
USD-OIS-3:00-NY-ICAP	OIS-3:00-NY-ICAP
USD-OIS-4:00-TRADITION	OIS-4:00-TRADITION
USD-Overnight Bank Funding Rate	Overnight Bank Funding Ra
USD-Prime-H.15	Prime-H.15
USD-Prime-Reference Banks	Prime-Reference Banks
USD-S&P Index-High Grade	S&P Index-High Grade
USD-SIBOR-Reference Banks	SIBOR-Reference Banks
USD-SIBOR-SIBO	SIBOR-SIBO
USD-SIFMA Municipal Swap Index	MAAA
USD-SOFR-COMPOUND	SOFR-COMPOUND
USD-TBILL-H.15	TBILL-H.15
USD-TBILL-H.15-Bloomberg	TBILL-H.15-Bloomberg
USD-TBILL-Secondary Market	TBILL-Secondary Market
USD-TIBOR-ISDC	TIBO
USD-TIBOR-Reference Banks	TIBO
USD-Treasury Rate-ICAP BrokerTec	TREA
USD-Treasury Rate-SwapMarker100	TREA
USD-Treasury Rate-SwapMarker99	TREA
USD-Treasury Rate-T19901	TREA
USD-Treasury Rate-T500	TREA
USD-Treasury-19901-3:00-ICAP	TREA
VND-Semi-Annual Swap Rate-11:00-BGCANTOR	SWAP
VND-Semi-Annual Swap Rate-Reference Banks	SWAP
ZAR-DEPOSIT-Reference Banks	DEPOSIT-Reference Banks
ZAR-DEPOSIT-SAFEX	DEPOSIT-SAFEX
ZAR-JIBAR-Reference Banks	JIBA
ZAR-JIBAR-SAFEX	JIBA
ZAR-PRIME-AVERAGE	PRIME-AVERAGE
ZAR-PRIME-AVERAGE-Reference Banks	PRIME-AVERAGE-Reference B
ZAR-Quarterly Swap Rate-1:00-TRADITION	SWAP

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ZAR-Quarterly Swap Rate-5:30-TRADITION	SWAP
ZAR-Quarterly Swap Rate-TRADITION-Reference Banks	SWAP

2.4 Credit Index & Index Tranche

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ABX.HE.A	ABX.HE.A
ABX.HE.AA	ABX.HE.AA
ABX.HE.AAA	ABX.HE.AAA
ABX.HE.BBB	ABX.HE.BBB
ABX.HE.BBB-	ABX.HE.BBB-
ABX.HE.PENAAA	ABX.HE.PENAAA
CDX.EM	CDX.EM
CDX.EM.DIVERSIFIED	CDX.EM.DIVERSIFIED
CDX.EM.ex-EU	CDX.EM.ex-EU
CDX.LATAM.CORP	CDX.LATAM.CORP
CDX.NA.HY	CDX.NA.HY
CDX.NA.HY.B	CDX.NA.HY.B
CDX.NA.HY.BB	CDX.NA.HY.BB
CDX.NA.HY.HB	CDX.NA.HY.HB
CDX.NA.IG	CDX.NA.IG
CDX.NA.IG.CONS	CDX.NA.IG.CONS
CDX.NA.IG.ENRG	CDX.NA.IG.ENRG
CDX.NA.IG.FIN	CDX.NA.IG.FIN
CDX.NA.IG.HVOL	CDX.NA.IG.HVOL
CDX.NA.IG.INDU	CDX.NA.IG.INDU
CDX.NA.IG.TMT	CDX.NA.IG.TMT
CDX.NA.XO	CDX.NA.XO
CMBX.NA.A	CMBX.NA.A
CMBX.NA.AA	CMBX.NA.AA
CMBX.NA.AAA	CMBX.NA.AAA
CMBX.NA.AJ	CMBX.NA.AJ
CMBX.NA.AM	CMBX.NA.AM
CMBX.NA.AS	CMBX.NA.AS
CMBX.NA.BB	CMBX.NA.BB
CMBX.NA.BBB	CMBX.NA.BBB
CMBX.NA.BBB-	CMBX.NA.BBB-
iBoxx EUR CoCo	iBoxx EUR CoCo
iBoxx EUR CoCo Liquid Developed Market AT1	iBoxx EUR CoCo Liquid Dev
IBOXX EUR CORPORATES	IBOXX EUR CORPORATES
IBOXX EUR LIQUID HIGH YIELD INDEX	IBOXX EUR LIQUID HIGH YIE
IBOXX GBP CORPORATES	IBOXX GBP CORPORATES
IBOXX TREPP CMBS LIQUID	IBOXX TREPP CMBS LIQUID
IBOXX TREPP CMBS OVERALL	IBOXX TREPP CMBS OVERALL
iBoxx USD CoCo	iBoxx USD CoCo
iBoxx USD CoCo Liquid Developed Market	iBoxx USD CoCo Liquid Dev
iBoxx USD CoCo Liquid Developed Market AT1	iBoxx USD CoCo Liquid Dev
IBOXX USD DOMESTIC CORPORATES	IBOXX USD DOMESTIC CORPOR
IBOXX USD LIQUID HIGH YIELD INDEX	IBOXX USD LIQUID HIGH YIE

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
iBoxx USD Liquid High Yield Oil & Gas (5/25/50 Issuer Cap)	iBoxx USD Liquid High Yie
IBOXX USD LIQUID IG	IBOXX USD LIQUID IG
iBoxx USD Liquid IG	iBoxx USD Liquid IG
IBOXX USD LIQUID LEVERAGED LOANS INDEX	IBOXX USD LIQUID LEVERAGE
IOS.FN30.300	IOS.FN30.300
IOS.FN30.350	IOS.FN30.350
IOS.FN30.400	IOS.FN30.400
IOS.FN30.450	IOS.FN30.450
IOS.FN30.500	IOS.FN30.500
IOS.FN30.550	IOS.FN30.550
IOS.FN30.600	IOS.FN30.600
IOS.FN30.650	IOS.FN30.650
IOS.GII30.400	IOS.GII30.400
IOS.GII30.450	IOS.GII30.450
IOS.GII30.500	IOS.GII30.500
ITRAXX ASIA EX-JAPAN IG	ITRAXX ASIA EX-JAPAN IG
ITRAXX AUSTRALIA	ITRAXX AUSTRALIA
ITRAXX CEEMEA	ITRAXX CEEMEA
ITRAXX EUROPE	ITRAXX EUROPE
ITRAXX EUROPE CROSSOVER	ITRAXX EUROPE CROSSOVER
ITRAXX EUROPE HIVOL	ITRAXX EUROPE HIVOL
iTraxx Europe Non-Financial	iTraxx Europe Non-Financi
ITRAXX EUROPE SENIOR FINANCIALS	ITRAXX EUROPE SENIOR FINA
ITRAXX EUROPE SUB FINANCIALS	ITRAXX EUROPE SUB FINANCI
ITRAXX JAPAN	ITRAXX JAPAN
ITRAXX SOVX ASIA PACIFIC	ITRAXX SOVX ASIA PACIFIC
ITRAXX SOVX BRIC	ITRAXX SOVX BRIC
ITRAXX SOVX CEEMEA	ITRAXX SOVX CEEMEA
ITRAXX SOVX CEEMEA EX-EU	ITRAXX SOVX CEEMEA EX-EU
ITRAXX SOVX G7	ITRAXX SOVX G7
ITRAXX SOVX GLOBAL LIQUID INVESTMENT GRADE	ITRAXX SOVX GLOBAL LIQUID
ITRAXX SOVX LATIN AMERICA	ITRAXX SOVX LATIN AMERICA
ITRAXX SOVX WESTERN EUROPE	ITRAXX SOVX WESTERN EUROP
LCDX.NA	LCDX.NA
Markit iBoxx Trepp CMBS Original AAA Rolling Index	Markit iBoxx Trepp CMBS O
MBX.FN30.300	MBX.FN30.300
MBX.FN30.350	MBX.FN30.350
MBX.FN30.400	MBX.FN30.400
MBX.FN30.450	MBX.FN30.450
MBX.FN30.500	MBX.FN30.500
MBX.FN30.550	MBX.FN30.550
MBX.FN30.600	MBX.FN30.600
MBX.FN30.650	MBX.FN30.650
MBX.GII30.400	MBX.GII30.400
MBX.GII30.450	MBX.GII30.450

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)
MBX.GII30.500	MBX.GII30.500
MCDX.NA	MCDX.NA
PO.FN30.300	PO.FN30.300
PO.FN30.350	PO.FN30.350
PO.FN30.400	PO.FN30.400
PO.FN30.450	PO.FN30.450
PO.FN30.500	PO.FN30.500
PO.FN30.550	PO.FN30.550
PO.FN30.600	PO.FN30.600
PO.FN30.650	PO.FN30.650
PO.GII30.400	PO.GII30.400
PO.GII30.450	PO.GII30.450
PO.GII30.500	PO.GII30.500
PRIMEX.ARM	PRIMEX.ARM
PRIMEX.FRM	PRIMEX.FRM
TABX.HE.BBB	TABX.HE.BBB
TABX.HE.BBB-	TABX.HE.BBB-

2.5 Equities

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)	ISIN
35X3I	35X3I	
35X5I	35X5I	
AEX INDEX	AEX INDEX	NL0000000107
ATX AUSTRIAN TRADED EUR	ATX AUSTRIAN TRADED	
ATX FIVE EUR	ATX FIVE	
B3L	B3L	
B3S	B3S	
B5L	B5L	
B5S	B5S	
BEL 20	BEL 20	
BIST 30 INDEX	BIST 30 INDEX	
CAC 40	CAC 40	FR0003500008
CECE COMPOSITE EUR	CECE COMPOSITE	AT0000999693
DAXL5	DAXL5	
DAXS5	DAXS5	
DEUTSCHE BORSE DAX INDEX	DEUTSCHE BORSE DAX INDEX	DE0008469008
DIVDAX PR	DIVDAX PR	
DJIA	DJIA	US2605661048
DXL10	DXL10	
DXS10	DXS10	
ESTX 50 PR INDEX	ESTX 50 PR INDEX	EU0009658145
ESTX AUTOM.+PARTS PR.EUR	ESTX AUTOM PARTS PR	EU0009658301
ESTX BANKS PR.EUR	ESTX BANKS PR	EU0009658426
ESTX BASIC RESOURC.PR.EUR	ESTX BASIC RESOURC PR	EU0009658244
ESTX CHEMICAL PR.EUR	ESTX CHEMICAL PR	EU0009658228
ESTX CONSTR.+MATER.PR.EUR	ESTX CONSTR MATER PR	EU0009658509
ESTX EX FIN 50 PR EUR	ESTX EX FIN 50 PR	
ESTX FIN.SERVICES PR.EUR	ESTX FIN SERVICES PR	EU0009658467
ESTX FOOD+BEVERAGE PR.EUR	ESTX FOOD BEVERAGE PR	EU0009658368
ESTX HEALTH CARE PR.EUR	ESTX HEALTH CARE PR	EU0009658343
ESTX IND.GOODS+SER.PR.EUR	ESTX IND GOODS SER PR	EU0009658525
ESTX INSURANCE PR.EUR	ESTX INSURANCE PR	EU0009658442
ESTX LARGE PR.EUR	ESTX LARGE PR	
ESTX MEDIA PR.EUR	ESTX MEDIA PR	EU0009658269
ESTX MID PR.EUR	ESTX MID PR	
ESTX OIL + GAS PR.EUR	ESTX OIL GAS PR	EU0009658400
ESTX P.H.GD. PR.EUR	ESTX P H GD PR	CH0019112892
ESTX PR.EUR	ESTX PR	
ESTX REAL EST.PR.EUR	ESTX REAL EST PR	CH0043274445
ESTX RETAIL PR.EUR	ESTX RETAIL PR	CH0019113023
ESTX SEL.DIV.30 PR.EUR	ESTX SEL DIV 30 PR	CH0020751589
ESTX SMALL PR.EUR	ESTX SMALL PR	
ESTX TECHNOLOGY PR.EUR	ESTX TECHNOLOGY PR	EU0009658541

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)	ISIN
ESTX TELECOMMUNICA.PR.EUR	ESTX TELECOMMUNICA PR	EU0009658566
ESTX TR. + LS PR.EUR	ESTX TR LS PR	CH0019113122
ESTX UTILITY PR.EUR	ESTX UTILITY PR	EU0009658582
FTSE 100 Declared Dividend Index	FTSE 100 Declared Dividen	
FTSE 100 Dividend Index - RDSA Withholding	FTSE 100 Dividend Index	
FTSE 100 Equally Weighted Total Return Index (GBP)	FTSE 100 Equally Weighted	
FTSE 100 INDEX	FTSE 100 INDEX	GB0001383545
FTSE 250 Index	FTSE 250 Index	
FTSE EPRA/NAREIT D	FTSE EPRA NAREIT D	
FTSE EPRA/NAREIT E	FTSE EPRA NAREIT E	NL0000249753
FTSE MIB IDX	FTSE MIB IDX	IT0003465736
FTSE RUSSIA IOB INDEX	FTSE RUSSIA IOB INDEX	
FTSE UK LARGE CAP SUPER LIQUID INDEX	FTSE UK LARGE CAP SUPER L	
FTSE UK Mid Cap Tradable Plus Total Return Index (GBP)	FTSE UK Mid Cap Tradable	
FTSE/ATHEX LARGE CAP	FTSE ATHEX LARGE CAP	GRI99201A006
I35X3	I35X3	
I35X5	I35X5	
I3L	I3L	
I3S	I3S	
I5L	I5L	
I5S	I5S	
IBEX 35	IBEX 35	ES0SI0000005
IBEX 35 BANCOS	IBEX 35 BANCOS	
IBEX 35 ENERGIA	IBEX 35 ENERGIA	
IBXGX	IBXGX	
IBXUX	IBXUX	
KOSPI 200	KOSPI 200	KRD020020016
MDAX PERFORMANCE-INDEX	MDAX PERFORMANCE INDEX	DE0008467416
MSCI AC Asia ex Japan Net Total Return Index (USD)	MSCI AC Asia ex Japan Net	
MSCI AC Asia Pacific ex Japan Net Total Return Index (USD)	MSCI AC Asia Pacific ex J	
MSCI AC Far East ex Japan Net Total Return Index (USD)	MSCI AC Far East ex Japan	
MSCI ACWI NR.USD	MSCI ACWI NR	
MSCI AUSTRALIA IND.NR.USD	MSCI AUSTRALIA NR	
MSCI Brazil Net Total Return Index (USD)	MSCI Brazil Net Total Ret	
MSCI CANADA GR USD	MSCI CANADA GR	
MSCI CHILE NR USD	MSCI CHILE NR	
MSCI CHINA FREE NR USD	MSCI CHINA FREE NR	
MSCI COLOMBIA NR USD	MSCI COLOMBIA NR	
MSCI DAILY WORLD NR EUR	MSCI DAILY WORLD NR	
MSCI EAFE Net Total Return Index (USD)	MSCI EAFE Net Total Retur	
MSCI EGYPT NR USD	MSCI EGYPT NR	
MSCI EM ASIA NR USD	MSCI EM ASIA NR	
MSCI EM USD	MSCI EM	
MSCI Emerging Markets (EM) Latin America Net Total Return Index (USD)	MSCI Emerging Markets EM	
MSCI Emerging Markets EMEA Net Total Return Index (USD)	MSCI Emerging Markets EME	

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)	ISIN
MSCI Emerging Markets Net Total Return Index (EUR)	MSCI Emerging Markets Net	
MSCI Emerging Markets Net Total Return Index (USD)	MSCI Emerging Markets Net	
MSCI EMU Net Total Return Index (EUR)	MSCI EMU Net Total Return	
MSCI Europe Consumer Discretionary Net Total Return Index (EUR)	MSCI Europe Consumer Disc	
MSCI Europe Consumer Staples Net Total Return Index (EUR)	MSCI Europe Consumer Stap	
MSCI EUROPE EUR	MSCI Europe	
MSCI Europe Ex UK Net Total Return Index (USD)	MSCI Europe Ex UK Net Tot	
MSCI Europe Financials Net Total Return Index (EUR)	MSCI Europe Financials Ne	
MSCI EUROPE GROWTH NR EUR	MSCI Europe GROWTH NR	
MSCI Europe Materials Net Total Return Index (EUR)	MSCI Europe Materials Net	
MSCI Europe Net Total Return Index (EUR)	MSCI Europe Net Total Ret	
MSCI Europe Net Total Return Index (USD)	MSCI Europe Net Total Ret	
MSCI EUROPE VALUE NR EUR	MSCI Europe VALUE NR	
MSCI HONG KONG IND.NR.USD	MSCI HONG KONG NR	
MSCI India Net Total Return Index (USD)	MSCI India Net Total Retu	
MSCI INDONESIA IND.NR.USD	MSCI INDONESIA NR	
MSCI INTERNATIONAL EM NET INDEX USD	MSCI INTERNATIONAL EM NET	
MSCI Japan Net Total Return Index (USD)	MSCI Japan Net Total Retu	
MSCI KOKUSAI Net Total Return Index (JPY)	MSCI KOKUSAI Net Total Re	
MSCI MALAYSIA NET USD	MSCI MALAYSIA NET	
MSCI Mexico Net Total Return Index (USD)	MSCI Mexico Net Total Ret	
MSCI N.AMERIC. NET USD	MSCI N AMERIC NET	
MSCI NEW ZEALAND NR.USD	MSCI NEW ZEALAND NR	
MSCI Pacific ex Japan Net Total Return Index (USD)	MSCI Pacific ex Japan Net	
MSCI PACIFIC NET USD	MSCI PACIFIC NET	
MSCI PHILIPPINES NR USD	MSCI PHILIPPINES NR	
MSCI POLAND NR USD	MSCI POLAND NR	
MSCI QATAR NR.USD	MSCI QATAR NR	
MSCI RUSSIA	MSCI RUSSIA	
MSCI RUSSIA NR USD	MSCI RUSSIA NR	
MSCI SOUTH AFRICA NR USD	MSCI SOUTH AFRICA NR	
MSCI Switzerland Net Total Return Index (CHF)	MSCI Switzerland Net Tota	
MSCI THAILAND NR USD	MSCI THAILAND NR	
MSCI UAE IND.NR.USD	MSCI UAE IND NR	
MSCI UK IND.NR.GBP	MSCI UK IND NR	
MSCI UK NR USD	MSCI UK NR	
MSCI USA Equal Weighted Net Total Return Index (USD)	MSCI USA Equal Weighted N	
MSCI USA MOM.HI.EXP.NR DL	MSCI USA MOM HI EXP NR	
MSCI USA Net Total Return Index (USD)	MSCI USA Net Total Return	
MSCI USA QUA.HI.EX NR DL	MSCI USA QUA HI EX NR	
MSCI USA VAL.WEI.CA.EX.NR	MSCI USA VAL WEI CA EX NR	
MSCI World Consumer Discretionary Net Total Return Index (USD)	MSCI World Consumer Discr	
MSCI World Consumer Staples Net Total Return Index (USD)	MSCI World Consumer Stapl	
MSCI World Energy Net Total Return Index (USD)	MSCI World Energy Net Tot	
MSCI World Financials Net Total Return Index (USD)	MSCI World Financials Net	

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)	ISIN
MSCI World Health Care Net Total Return Index (USD)	MSCI World Health Care Ne	
MSCI World Industrials Net Total Return Index (USD)	MSCI World Industrials Ne	
MSCI World Information Technology Net Total Return Index (USD)	MSCI World Information Te	
MSCI World Materials Net Total Return Index (USD)	MSCI World Materials Net	
MSCI WORLD MIDCAP NR.USD	MSCI WORLD MIDCAP NR	
MSCI World Minimum Volatility Net Total Return Index (USD)	MSCI World Minimum Volati	
MSCI World Net Total Return Index (EUR)	MSCI World Net Total Retu	
MSCI World Net Total Return Index (USD)	MSCI World Net Total Retu	
MSCI WORLD PR USD	MSCI WORLD PR	
MSCI World Real Estate Net Total Return Index (USD)	MSCI World Real Estate Ne	
MSCI World Telecom Services Net Total Return Index (USD)	MSCI World Telecom Servic	
MSCI World Utilities Net Total Return Index (USD)	MSCI World Utilities Net	
MWIG40	MWIG40	
N225	N225	XC0009692440
NDX1	NDX1	US6311011026
NIKKEI 225 INDEX	NIKKEI 225 INDEX	
OBX TOTAL RETURN INDEX	OBX TOTAL RETURN INDEX	
OMX COPENHAGEN 20CAP	OMX C EuropeNHAGEN 20CAP	
OMX OSLO 20	OMX OSLO 20	
OMX STOCKHOLM 30	OMX STOCKHOLM 30	SE0000337842
OMX STOCKHOLM BENCHMARK GI	OMX STOCKHOLM BENCHMARK G	
OMX-HELSINKI 25	OMX HELSINKI 25	
OSLO BORS OBX OIL SERVICE INDEX	OSLO BØRS OBX OIL SERVICE	
OTHER	OTHER	
PSI 20	PSI 20	
RDX RUSS.DEPOSITARY DL	RDX RUSS DEPOSITARY	AT0000634076
RDX RUSS.DEPOSITARY EUR	RDX RUSS DEPOSITARY	
S&P 500 INDEX	S&P 500 INDEX	US78378X1072
S3L	S3L	
S3S	S3S	
S5L	S5L	
S5S	S5S	
SLA6K	SLA6K	
SLA6L	SLA6L	
SLA6M	SLA6M	
SLA6N	SLA6N	
SMI PR CHF	SMI PR	CH0009980894
ST5L5	ST5L5	
ST5L8	ST5L8	
ST5S5	ST5S5	
ST5S8	ST5S8	
STX GL.SE.DI.100.PR EUR	STX GL SE DI 100 PR	US26063V1180
STXE 50 PR.EUR	STXE 50 PR	EU0009658160
STXE 600 AUT+PRT PR.EUR	STXE 600 AUT PRT PR	EU0009658681
STXE 600 BANKS PR.EUR	STXE 600 BANKS PR	EU0009658806

Underlying Instrument Index	ISO Underlying Instrument Index (Alphanumeric 25 characters)	ISIN
STXE 600 BASIC RES.PR.EUR	STXE 600 BASIC RES PR	EU0009658624
STXE 600 CHEMICALS PR.EUR	STXE 600 CHEMICALS PR	EU0009658608
STXE 600 CONSTR.+M.PR.EUR	STXE 600 CONSTR M PR	EU0009658889
STXE 600 FIN.SER.PR EUR	STXE 600 FIN SER PR	EU0009658848
STXE 600 FOOD+BEV.PR.EUR	STXE 600 FOOD BEV PR	EU0009658749
STXE 600 HEALTH C.PR.EUR	STXE 600 HEALTH C PR	EU0009658723
STXE 600 IND. G+S PR.EUR	STXE 600 IND G S PR	EU0009658905
STXE 600 INSURANCE PR.EUR	STXE 600 INSURANCE PR	EU0009658822
STXE 600 MEDIA PR.EUR	STXE 600 MEDIA PR	EU0009658640
STXE 600 OIL+GAS PR.EUR	STXE 600 OIL GAS PR	EU0009658780
STXE 600 P.H.GD. PR.EUR	STXE 600 P H GD PR	CH0019112330
STXE 600 PR.EUR	STXE 600 PR	EU0009658202
STXE 600 RETAIL PR.EUR	STXE 600 RETAIL PR	CH0019112553
STXE 600 TECH PR EUR	STXE 600 TECH PR	EU0009658921
STXE 600 TELECOM.PR.EUR	STXE 600 TELECOM PR	EU0009658947
STXE 600 TR.+ LS. PR.EUR	STXE 600 TR LS PR	CH0019112744
STXE 600 UTILITIES PR.EUR	STXE 600 UTILITIES PR	EU0009658962
STXE LARGE 200 PR.EUR	STXE LARGE 200 PR	
STXE MID 200 PR.EUR	STXE MID 200 PR	
STXE SMALL 200 PR.EUR	STXE SMALL 200 PR	
STXE600 REAL.EST. PR EUR	STXE600 REAL EST PR	CH0043274395
SWISS LEADER PR CHF	SWISS LEADER PR	
SWISS MARK.MID CAPS PR SF	SWISS MARK MID CAPS PR SF	
T3L	T3L	
T3S	T3S	
T5L	T5L	
T5S	T5S	
TECDAX TR	TECDAX TR	
THE SHARE INDEX OF THE BUDAPEST STOCK EXCHANGE CO. LTD. (BUX)	THE SHARE INDEX OF THE BU	
TSE CAPITAL WEIGHT.ST.	TSE CAPITAL WEIGHT ST	
WIG20	WIG20	PL9999999987

2.6 Commodities Standard Market Indices

Underlying Instrument Index	Description	Sector Name	ISO Underlying Instrument Index (Alphanumeric 25 characters)
OTHER	OTHER	ALL	OTHER

2.7 Commodities Reference Rate

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
AZUKI BEANS-TGE	AZUKI BEANS-TGE
BARLEY-ICE	BARLEY-ICE
FEED BARLEY-ASX	FEED BARLEY-ASX
Butter Future – CME	Butter Future – CME
CANOLA-ICE	CANOLA-ICE
COCOA-ICE	COCOA-ICE
COCOA-NYSE Liffe	COCOA-NYSE Liffe
COFFEE ARABICA-ICE	COFFEE ARABICA-ICE
COFFEE ARABICA-BM&F	COFFEE ARABICA-BM&F
COFFEE ROBUSTA-NYSE Liffe	COFFEE ROBUSTA-NYSE Liffe
CORN-CBOT	CORN-CBOT
CORN-CBOT-SAFEX	CORN-CBOT-SAFEX
YELLOW MAIZE-SAFEX	YELLOW MAIZE-SAFEX
WHITE MAIZE-SAFEX	WHITE MAIZE-SAFEX
WHITE MAIZE GRADE 2-SAFEX	WHITE MAIZE GRADE 2-SAFEX
YELLOW MAIZE GRADE 2-SAFEX	YELLOW MAIZE GRADE 2-SAFE
MATIF MAIZE	MATIF MAIZE
CORN-NYSE Liffe	CORN-NYSE Liffe
COTTON NO. 2-ICE	COTTON NO. 2-ICE
FEEDER CATTLE-CME	FEEDER CATTLE-CME
LIVE CATTLE-CME	LIVE CATTLE-CME
LEAN HOGS-CME	LEAN HOGS-CME
LUMBER-CME	LUMBER-CME
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
DAIRY - MILK - NXZ,	DAIRY - MILK - NXZ,
OATS-CBOT	OATS-CBOT
FROZEN CONCENTRATED ORANGE JUICE NO. 1-ICE	FROZEN CONCENTRATED ORANG
PALM OIL-MDEX	PALM OIL-MDEX
PALM OIL-BURSA MALAYSIA	PALM OIL-BURSA MALAYSIA
CRUDE PALM OIL (FCPO) - MALAYSIA - BURSA MALAYSIA	CRUDE PALM OIL (FCPO) - M
CRUDE PALM OIL - MDEX,	CRUDE PALM OIL - MDEX,
RAPESEED-NYSE Liffe	RAPESEED-NYSE Liffe
RAPESEED - MATIF	RAPESEED - MATIF
RICE-CBOT	RICE-CBOT
RUBBER-RSS3-SGX	RUBBER-RSS3-SGX
RUBBER-TSR20-SGX	RUBBER-TSR20-SGX
RUBBER-TOCOM	RUBBER-TOCOM
RUBBER-JADE	RUBBER-JADE
SORGHUM-SAFEX	SORGHUM-SAFEX
SOYBEANS-CBOT	SOYBEANS-CBOT

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
SOYBEANS-CBOT-SAFEX	SOYBEANS-CBOT-SAFEX
SOYBEAN MEAL-CBOT	SOYBEAN MEAL-CBOT
SOYBEAN MEAL-CBOT-SAFEX	SOYBEAN MEAL-CBOT-SAFEX
SOYBEAN OIL-CBOT	SOYBEAN OIL-CBOT
SOYBEAN OIL-CBOT-SAFEX	SOYBEAN OIL-CBOT-SAFEX
SOYBEANS-SAFEX	SOYBEANS-SAFEX
SUGAR # 11 (WORLD)-ICE	SUGAR # 11 (WORLD)-ICE
WHITE SUGAR-NYSE Liffe	WHITE SUGAR-NYSE Liffe
SUGAR # 16 (US)-ICE	SUGAR # 16 (US)-ICE
SUNFLOWER SEEDS-SAFEX	SUNFLOWER SEEDS-SAFEX
WHEAT-CBOT	WHEAT-CBOT
WHEAT HRW-KCBOT	WHEAT HRW-KCBOT
WHEAT-SAFEX	WHEAT-SAFEX
WHEAT MILLING-NYSE Liffe	WHEAT MILLING-NYSE Liffe
WHEAT MILLING - ASX	WHEAT MILLING - ASX
WHEAT FEED-NYSE Liffe	WHEAT FEED-NYSE Liffe
WHEAT RED SPRING-MGE	WHEAT RED SPRING-MGE
MILLING WHEAT-EURONEXT LIFFE	MILLING WHEAT-EURONEXT LI
MILLING WHEAT - MATIF	MILLING WHEAT - MATIF
FINE WOOL (19 MICRON)-SFE	FINE WOOL (19 MICRON)-SFE
GREASY WOOL (21 MICRON)-SFE	GREASY WOOL (21 MICRON)-S
BROAD WOOL (23 MICRON)-SFE	BROAD WOOL (23 MICRON)-SF
ETHANOL T1 FOB ROTTERDAM-ARGUS BIOFUELS	ETHANOL T1 FOB ROTTERDAM-
ETHANOL T2 FOB ROTTERDAM-ARGUS BIOFUELS	ETHANOL T2 FOB ROTTERDAM-
ETHANOL-CBOT	ETHANOL-CBOT
ETHANOL-ICE	ETHANOL-ICE
ETHANOL-CME	ETHANOL-CME
ETHANOL-PLATTS OILGRAM	ETHANOL-PLATTS OILGRAM
CHICAGO ETHANOL - PLATTS	CHICAGO ETHANOL - PLATTS
ETHANOL-BM&F	ETHANOL-BM&F
BIODIESEL-PALM OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-PALM OME ROTTER
BIODIESEL-SOYA OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-SOYA OME ROTTER
BIODIESEL-FAME 0jC CFPP ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-FAME 0jC CFPP R
BIODIESEL-RAPESEED OME ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-RAPESEED OME RO
BIODIESEL-FAME 0jC CFPP T1 CIF ROTTERDAM-ARGUS BIOFUELS	BIODIESEL-FAME 0jC CFPP T
BIODIESEL-FAME 0jC CFPP ROTTERDAM QUARTER-ARGUS BIOFUELS	BIODIESEL-FAME 0jC CFPP R
DAP-FOB US GULF - FMB	DAP-FOB US GULF - FMB
DAP-FERTILIZER INDEX	DAP-FERTILIZER INDEX
DAP- CENTRAL FLORIDA - FMB	DAP- CENTRAL FLORIDA - FM
DAP- US GULF DOMESTIC - FMB	DAP- US GULF DOMESTIC - F
DAP fob Tampa-Fertilizer Index	DAP fob Tampa-Fertilizer
UREA- FOB YUZHNY - FMB	UREA- FOB YUZHNY - FMB
UREA-FERTILIZER INDEX	UREA-FERTILIZER INDEX
UREA - FOB BALTIC-FMB	UREA - FOB BALTIC-FMB
UREA - FOB INDONESIA - FMB	UREA - FOB INDONESIA - FM

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
UREA - FOB US GULF BARGE FMB	UREA - FOB US GULF BARGE
UREA- Egypt - Fertilizer index	UREA- Egypt - Fertilizer
UREA - New Orleans - Fertilizer Index	UREA - New Orleans - Fert
UREA - Yuzhnyy-Fertilizer Index	UREA - Yuzhnyy-Fertilizer
AMMONIA - FOB YUZHNY - FMB	AMMONIA - FOB YUZHNY - FM
AMMONIA - CFR TAMPA - FMB	AMMONIA - CFR TAMPA - FMB
AMMONIA - FOB US GULF BARGE - FMB	AMMONIA - FOB US GULF BAR
UAN - NOLA - FMB	UAN - NOLA - FMB
UAN-FERTILIZER INDEX	UAN-FERTILIZER INDEX
SULPHUR-FOB MIDDLE EAST-FMB	SULPHUR-FOB MIDDLE EAST-F
SULPHUR-FOB BLACK SEA-FMB	SULPHUR-FOB BLACK SEA-FMB
SULPHUR-FOB VANCOUVER-FMB	SULPHUR-FOB VANCOUVER-FMB
SULPHUR-CFR CHINA-FMB	SULPHUR-CFR CHINA-FMB
SULPHUR-CFR INDIA-FMB	SULPHUR-CFR INDIA-FMB
MOP-FOB VANCOUVER-FMB	MOP-FOB VANCOUVER-FMB
MOP-FOB FSU-FMB	MOP-FOB FSU-FMB
MOP-CFR SE ASIA-FMB	MOP-CFR SE ASIA-FMB
MOP-CFR BRAZIL-FMB	MOP-CFR BRAZIL-FMB
MOP-CFR EUROPE-FMB	MOP-CFR EUROPE-FMB
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 in Europe Contract (FOB NEW)	Benzene in Europe Contrac
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-CONTRACT BENZENE-TON-CMAI	BENZENE-CONTRACT BENZENE-
BENZENE-CONTRACT BENZENE-GALLON-CMAI	BENZENE-CONTRACT BENZENE-
BENZENE-SPOT BENZENE-TON-CMAI	BENZENE-SPOT BENZENE-TON-
BENZENE-SPOT BENZENE-GALLON-CMAI	BENZENE-SPOT BENZENE-GALL
COAL-API 2-MONTHLY - ARGUS/MCCLOSKEY'S	COAL-API 2-MONTHLY - ARGU
COAL-API 2 - WEEKLY- ARGUS/MCCLOSKEY'S	COAL-API 2 - WEEKLY- ARGU
COAL-API 4- MONTHLY- ARGUS/MCCLOSKEY'S	COAL-API 4- MONTHLY- ARGU
COAL-API 4 WEEKLY-ARGUS/MCCLOSKEY'S	COAL-API 4 WEEKLY-ARGUS/M
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 - API 8- WEEKLY-ARGUS/MCCLOSKEY'S	COAL - API 8- WEEKLY-ARGU
COAL - API 8- MONTHLY-ARGUS/MCCLOSKEY'S	COAL - API 8- MONTHLY-ARG
COKING COAL-ARGUS- FOB AUSTRALIA-ARGUS COAL DAILY INTERNATIONAL	COKING COAL-ARGUS- FOB AU
COAL-NEWCASTLE-GLOBALCOALTM	COAL-NEWCASTLE-GLOBALCOAL
COAL-RICHARDS BAY-GLOBALCOALTM	COAL-RICHARDS BAY-GLOBALC
COAL-ARA-GLOBALCOALTM	COAL-ARA-GLOBALCOALTM
COAL-ROTTERDAM-ICE	COAL-ROTTERDAM-ICE
COAL-RICHARDS BAY-ICE	COAL-RICHARDS BAY-ICE
COAL-ARA-EEX	COAL-ARA-EEX
COAL-RICHARDS BAY-EEX	COAL-RICHARDS BAY-EEX
COAL-CENTRAL APPALACHIAN-NYMEX	COAL-CENTRAL APPALACHIAN-

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
COAL-CIF ARA CIM-PLATTS	COAL-CIF ARA CIM-PLATTS
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-GULF COAST LOW SULFUR (WATERBORNE)-PLATTS U.S.	DIESEL FUEL-GULF COAST LO
DIESEL FUEL-GULF COAST LOW SULFUR (PIPELINE)-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-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
DIESEL FUEL-ON HIGHWAY ALL TYPES (U.S.)-ENERGY INFORMATION ADMINISTRATION	DIESEL FUEL-ON HIGHWAY AL
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-U.S. GULF COAST ULTRA LOW SULFUR (WATERBORNE)-PLATTS US MARKETSCAN	DIESEL FUEL-U.S. GULF COA
ELECTRICITY-AEMO SPOT PRICE-NSW	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-NSW	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-QLD	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-QLD	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-VIC	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-VIC	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-SA	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-SA	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-AEMO SPOT PRICE -TAS	ELECTRICITY-AEMO SPOT PRI
ELECTRICITY-POWER INDEX-HOURLY-APX	ELECTRICITY-POWER INDEX-H
ELECTRICITY-DAY-AHEAD-HOURLY-POWERNEXT	ELECTRICITY-DAY-AHEAD-HOU
ELECTRICITY-HOURLY BLOCK NIGHT-EEX	ELECTRICITY-HOURLY BLOCK
ELECTRICITY-HOURLY BLOCK MORNING-EEX	ELECTRICITY-HOURLY BLOCK
ELECTRICITY-HOURLY BLOCK HIGH NOON-EEX	ELECTRICITY-HOURLY BLOCK
ELECTRICITY-HOURLY BLOCK AFTERNOON-EEX	ELECTRICITY-HOURLY BLOCK
ELECTRICITY-HOURLY BLOCK EVENING-EEX	ELECTRICITY-HOURLY BLOCK
ELECTRICITY-HOURLY BLOCK RUSH HOUR-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 BUSINESS-EEX	ELECTRICITY-HOURLY BLOCK
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-MONTHLY PHELIX BASE SPOT-EEX	ELECTRICITY-MONTHLY PHELI
ELECTRICITY-MONTHLY PHELIX PEAK SPOT-EEX	ELECTRICITY-MONTHLY PHELI
ELECTRICITY-MONTH FUTURES BASE-EEX	ELECTRICITY-MONTH FUTURES

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-MONTH FUTURES PEAK-EEX	ELECTRICITY-MONTH FUTURES
ELECTRICITY-QUARTER FUTURES BASE-EEX	ELECTRICITY-QUARTER FUTUR
ELECTRICITY-QUARTER FUTURES PEAK-EEX	ELECTRICITY-QUARTER FUTUR
ELECTRICITY-YEAR FUTURES BASE-EEX	ELECTRICITY-YEAR FUTURES
ELECTRICITY-YEAR FUTURES PEAK-EEX	ELECTRICITY-YEAR FUTURES
ELECTRICITY-POWER INDEX-HOURLY-EEX	ELECTRICITY-POWER INDEX-H
ELECTRICITY - POWER INDEX - HOURLY - EEX	ELECTRICITY - POWER INDEX
ELECTRICITY-PREZZO UNICO NAZIONALE-HOURLY-GME	ELECTRICITY-PREZZO UNICO
ELECTRICITY - POWER INDEX - HOURLY - GME,	ELECTRICITY - POWER INDEX
ELECTRICITY - APX - POWER INDEX: HOURLY,	ELECTRICITY - APX - POWER
ELECTRICITY-EUR-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT (S
ELECTRICITY-NOK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT (S
ELECTRICITY-SEK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT (S
ELECTRICITY-DKK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT (S
ELECTRICITY-EUR-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE
ELECTRICITY-NOK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE
ELECTRICITY-SEK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE
ELECTRICITY-DKK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE
ELECTRICITY-EUR-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE
ELECTRICITY-NOK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE
ELECTRICITY-SEK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE
ELECTRICITY-DKK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE
ELECTRICITY-EUR-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE
ELECTRICITY-NOK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE
ELECTRICITY-SEK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE
ELECTRICITY-DKK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE
ELECTRICITY-EUR-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT SE
ELECTRICITY-NOK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT SE
ELECTRICITY-SEK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT SE
ELECTRICITY-DKK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT SE
ELECTRICITY-EUR-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT FI
ELECTRICITY-NOK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT FI
ELECTRICITY-SEK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT FI
ELECTRICITY-DKK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT FI
ELECTRICITY-EUR-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT DK
ELECTRICITY-NOK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT DK
ELECTRICITY-SEK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT DK
ELECTRICITY-DKK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT DK
ELECTRICITY-EUR-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT DK
ELECTRICITY-NOK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT DK
ELECTRICITY-SEK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT DK
ELECTRICITY-DKK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT DK
ELECTRICITY-EUR- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL	ELECTRICITY-EUR- ELSPOT N
ELECTRICITY-NOK-ELSPOT NO1 (OSL)-HOURLY- NORDPOOL	ELECTRICITY-NOK-ELSPOT NO
ELECTRICITY-SEK- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL	ELECTRICITY-SEK- ELSPOT N

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-DKK-ELSPOT NO1 (OSL)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT N
ELECTRICITY-EUR-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO
ELECTRICITY-NOK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT NO
ELECTRICITY-SEK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO
ELECTRICITY-DKK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO
ELECTRICITY-EUR-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO
ELECTRICITY-NOK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT NO
ELECTRICITY-SEK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO
ELECTRICITY-DKK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO
ELECTRICITY-EUR-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO
ELECTRICITY-NOK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT NO
ELECTRICITY-SEK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO
ELECTRICITY-DKK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO
ELECTRICITY-EUR-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-EUR-ELSPOT NO
ELECTRICITY-NOK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-NOK-ELSPOT NO
ELECTRICITY-SEK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-SEK-ELSPOT NO
ELECTRICITY-DKK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL	ELECTRICITY-DKK-ELSPOT NO
ELECTRICITY-PORTUGUESE POWER INDEX-HOURLY-OMIE	ELECTRICITY-PORTUGUESE PO
ELECTRICITY-POWER INDEX-HOURLY-OMIE	ELECTRICITY-POWER INDEX-H
ELECTRICITY-SWEP-DOW JONES POWER	ELECTRICITY-SWEP-DOW JONE
ELECTRICITY-SWISSIX DAY BASE-EEX	ELECTRICITY-SWISSIX DAY B
ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WINDOW (07.30-09.00)	ELECTRICITY-LEBA UK POWER
ELECTRICITY-LEBA UK POWER INDEX-WORKING DAYS (07.30-17.00)	ELECTRICITY-LEBA UK POWER
ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WEEKEND (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-UK BASE-ICE	ELECTRICITY-UK BASE-ICE
ELECTRICITY-UK PEAK-ICE	ELECTRICITY-UK PEAK-ICE
ELECTRICITY-CALIFORNIA/OREGON BORDER FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR
ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR
ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-CALIFORNIA/OR
ELECTRICITY-FOURCORNERS FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS F
ELECTRICITY-FOURCORNERS FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS F
ELECTRICITY-FOURCORNERS NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-FOURCORNERS N
ELECTRICITY-PALO VERDE OFF-PEAK-ICE	ELECTRICITY-PALO VERDE OF
ELECTRICITY-PALO VERDE PEAK-ICE	ELECTRICITY-PALO VERDE PE
ELECTRICITY-PALO VERDE FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE FI
ELECTRICITY-PALO VERDE FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE FI
ELECTRICITY-PALO VERDE NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE NO

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-PALO VERDE NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-PALO VERDE NO
ELECTRICITY-CINERGY FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-CINERGY FIRM
ELECTRICITY-MID-COLUMBIA FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA
ELECTRICITY-MID-COLUMBIA FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA
ELECTRICITY-MID-COLUMBIA NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA
ELECTRICITY-MID-COLUMBIA NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MID-COLUMBIA
ELECTRICITY-PJM FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-PJM FIRM (ON-
ELECTRICITY-MEAD/MARKETPLACE FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL
ELECTRICITY-MEAD/MARKETPLACE FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL
ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL
ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-MEAD/MARKETPL
ELECTRICITY-NP-15 FIRM (ON-PEAK)-DOW JONES POWER	ELECTRICITY-NP-15 FIRM (O
ELECTRICITY-NP-15 FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-NP-15 FIRM (O
ELECTRICITY-SP-15 FIRM (ON-PEAK)-DOW JONES	ELECTRICITY-SP-15 FIRM (O
ELECTRICITY-SP-15 FIRM (OFF-PEAK)-DOW JONES POWER	ELECTRICITY-SP-15 FIRM (O
ELECTRICITY-AEP DAYTON HUB PEAK-ICE	ELECTRICITY-AEP DAYTON HU
ELECTRICITY-AEP DAYTON HUB OFF-PEAK-ICE-	ELECTRICITY-AEP DAYTON HU
ELECTRICITY-AEP DAYTON HUB REAL TIME PEAK-ICE	ELECTRICITY-AEP DAYTON HU
ELECTRICITY-CINERGY PEAK-ICE	ELECTRICITY-CINERGY PEAK-
ELECTRICITY-CINERGY OFF-PEAK-ICE	ELECTRICITY-CINERGY OFF-P
ELECTRICITY-CINERGY REAL TIME PEAK-ICE	ELECTRICITY-CINERGY REAL
ELECTRICITY-CINERGY REAL TIME OFF-PEAK-ICE	ELECTRICITY-CINERGY REAL
ELECTRICITY-COB PEAK-ICE	ELECTRICITY-COB PEAK-ICE
ELECTRICITY-COB OFF-PEAK-ICE	ELECTRICITY-COB OFF-PEAK-
ELECTRICITY-ENTERGY PEAK-ICE	ELECTRICITY-ENTERGY PEAK-
ELECTRICITY-ENTERGY OFF-PEAK-ICE	ELECTRICITY-ENTERGY OFF-P
ELECTRICITY-ERCOT-NORTH PEAK-ICE	ELECTRICITY-ERCOT-NORTH P
ELECTRICITY-ERCOT-NORTH OFF-PEAK-ICE	ELECTRICITY-ERCOT-NORTH O
ELECTRICITY-ERCOT-HOUSTON PEAK-ICE	ELECTRICITY-ERCOT-HOUSTON
ELECTRICITY-ERCOT-HOUSTON OFF-PEAK-ICE	ELECTRICITY-ERCOT-HOUSTON
ELECTRICITY-ERCOT-SOUTH PEAK-ICE	ELECTRICITY-ERCOT-SOUTH P
ELECTRICITY-ERCOT-SOUTH OFF-PEAK-ICE	ELECTRICITY-ERCOT-SOUTH O
ELECTRICITY-ERCOT-WEST PEAK-ICE	ELECTRICITY-ERCOT-WEST PE
ELECTRICITY-ERCOT-WEST OFF-PEAK-ICE	ELECTRICITY-ERCOT-WEST OF
ELECTRICITY-FOUR CORNERS PEAK-ICE	ELECTRICITY-FOUR CORNERS
ELECTRICITY-FOUR CORNERS OFF-PEAK-ICE	ELECTRICITY-FOUR CORNERS
ELECTRICITY-JOJOBA PEAK-ICE	ELECTRICITY-JOJOBA PEAK-I
ELECTRICITY-MEAD PEAK-ICE	ELECTRICITY-MEAD PEAK-ICE
ELECTRICITY-MEAD OFF-PEAK-ICE	ELECTRICITY-MEAD OFF-PEAK

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-MID C PEAK-ICE	ELECTRICITY-MID C PEAK-IC
ELECTRICITY-MID C OFF-PEAK-ICE	ELECTRICITY-MID C OFF-PEA
ELECTRICITY-MONA PEAK-ICE	ELECTRICITY-MONA PEAK-ICE
ELECTRICITY-MONA OFF-PEAK-ICE	ELECTRICITY-MONA OFF-PEAK
ELECTRICITY-N ILLINOIS PEAK-ICE	ELECTRICITY-N ILLINOIS PE
ELECTRICITY-N ILLINOIS OFF-PEAK-ICE	ELECTRICITY-N ILLINOIS OF
ELECTRICITY-N ILLINOIS REAL TIME PEAK-ICE	ELECTRICITY-N ILLINOIS RE
ELECTRICITY-N ILLINOIS REAL TIME OFF-PEAK-ICE	ELECTRICITY-N ILLINOIS RE
ELECTRICITY-NOB PEAK-ICE	ELECTRICITY-NOB PEAK-ICE
ELECTRICITY-NOB OFF-PEAK-ICE	ELECTRICITY-NOB OFF-PEAK-
ELECTRICITY-NEPOOL MH DA LMP PEAK-ICE	ELECTRICITY-NEPOOL MH DA
ELECTRICITY-NEPOOL MH DA LMP OFF-PEAK-ICE	ELECTRICITY-NEPOOL MH DA
ELECTRICITY-NP-15 PEAK-ICE	ELECTRICITY-NP-15 PEAK-IC
ELECTRICITY-NP-15 OFF-PEAK-ICE	ELECTRICITY-NP-15 OFF-PEA
ELECTRICITY-NP-15 DAY AHEAD PEAK-ICE	ELECTRICITY-NP-15 DAY AHE
ELECTRICITY-NP-15 DAY AHEAD OFF-PEAK-ICE	ELECTRICITY-NP-15 DAY AHE
ELECTRICITY-NYISO A PEAK-ICE	ELECTRICITY-NYISO A PEAK-
ELECTRICITY-PJM-WESTPEAK-ICE	ELECTRICITY-PJM-WESTPEAK-
ELECTRICITY-PJM-WEST OFF-PEAK-ICE	ELECTRICITY-PJM-WEST OFF-
ELECTRICITY-PJM-WEST REAL TIME PEAK-ICE	ELECTRICITY-PJM-WEST REAL
ELECTRICITY-PJM-WEST REAL TIME OFF-PEAK-ICE	ELECTRICITY-PJM-WEST REAL
ELECTRICITY-PINNACLE PEAK-ICE	ELECTRICITY-PINNACLE PEAK
ELECTRICITY-PINNACLE OFF-PEAK-ICE	ELECTRICITY-PINNACLE OFF-
ELECTRICITY-SOCO PEAK-ICE	ELECTRICITY-SOCO PEAK-ICE
ELECTRICITY-SP-15 PEAK-ICE	ELECTRICITY-SP-15 PEAK-IC
ELECTRICITY-SP-15 OFF-PEAK-ICE	ELECTRICITY-SP-15 OFF-PEA
ELECTRICITY-SP-15 DAY AHEAD PEAK-ICE	ELECTRICITY-SP-15 DAY AHE
ELECTRICITY-SP-15 DAY AHEAD OFF-PEAK-ICE	ELECTRICITY-SP-15 DAY AHE
ELECTRICITY-WEST WING PEAK-ICE	ELECTRICITY-WEST WING PEA
ELECTRICITY-WEST WING OFF-PEAK-ICE	ELECTRICITY-WEST WING OFF
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-SP15-DAY AHEAD	ELECTRICITY-CAISO-SP15-DA
ELECTRICITY-CAISO-SP15-REAL TIME	ELECTRICITY-CAISO-SP15-RE
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

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
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-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 1-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:
ELECTRICITY-ERCOT-NODAL: MLSES UNIT 1-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:
ELECTRICITY-ERCOT-NODAL: OGSES UNIT 1-DAY AHEAD	ELECTRICITY-ERCOT-NODAL:
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-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-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-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 1/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-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
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-PJM-EDGEMOOR HAYRD4-DAY AHEAD	ELECTRICITY-PJM-EDGEMOOR
ELECTRICITY-JM-EDGEMOOR HAYRD4-REAL TIME	ELECTRICITY-JM-EDGEMOOR H
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-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
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-

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
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-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
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-ISO NEW ENGLAND-SE MASS BOSTON-DAY AHEAD	ELECTRICITY-ISO NEW ENGLA
ELECTRICITY-PJM-EASTERN HUB-DAY AHEAD	ELECTRICITY-PJM-EASTERN H
ELECTRICITY-PJM-EASTERN HUB-REAL TIME	ELECTRICITY-PJM-EASTERN H
ELECTRICITY PJM-NEW JERSEY HUB-DAY AHEAD	ELECTRICITY PJM-NEW JERSE
ELECTRICITY PJM-NEW JERSEY HUB-REAL TIME	ELECTRICITY PJM-NEW JERSE
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-PJM-AEP DAYTON HUB-DAY AHEAD	ELECTRICITY-PJM-AEP DAYTO
ELECTRICITY-PJM-AEP-DAY AHEAD	ELECTRICITY-PJM-AEP-DAY A

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-PJM-AEP-REAL TIME	ELECTRICITY-PJM-AEP-REAL
ELECTRICITY-PJM-AEP DAYTON HUB-REAL TIME	ELECTRICITY-PJM-AEP DAYTO
ELECTRICITY PJM-NORTHERN ILLINOIS HUB-DAY AHEAD	ELECTRICITY PJM-NORTHERN
ELECTRICITY PJM-NORTHERN ILLINOIS HUB-REAL TIME	ELECTRICITY PJM-NORTHERN
ELECTRICITY-PJM-AECO-DAY AHEAD	ELECTRICITY-PJM-AECO-DAY
ELECTRICITY-PJM-AECO-REAL TIME	ELECTRICITY-PJM-AECO-REAL
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
ELECTRICITY-PJM-DUQ-DAY AHEAD	ELECTRICITY-PJM-DUQ-DAY A
ELECTRICITY-PJM-DUQ-REAL TIME	ELECTRICITY-PJM-DUQ-REAL
ELECTRICITY-PJM-INTERFACE	ELECTRICITY-PJM-INTERFACE
SOUTHEAST-DAY AHEAD	SOUTHEAST-DAY AHEAD
SOUTHEAST-REAL TIME	SOUTHEAST-REAL TIME
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-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-METED-REAL TIME	ELECTRICITY-PJM-METED-REA
ELECTRICITY-PJM-AGGREGATE FE OHIO-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE
ELECTRICITY-PJM-AGGREGATE FE OHIO-REAL TIME	ELECTRICITY-PJM-AGGREGATE
ELECTRICITY-PJM-PECO-DAY AHEAD	ELECTRICITY-PJM-PECO-DAY
ELECTRICITY-PJM-PECO-REAL TIME	ELECTRICITY-PJM-PECO-REAL

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ELECTRICITY-PJM-PENELEC-DAY AHEAD	ELECTRICITY-PJM-PENELEC-D
ELECTRICITY-PJM-PENELEC-REAL TIME	ELECTRICITY-PJM-PENELEC-R
ELECTRICITY-PJM-AGGREGATE PEP CO DC-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE
ELECTRICITY-PJM-AGGREGATE PEP CO DC-REAL TIME	ELECTRICITY-PJM-AGGREGATE
ELECTRICITY-PJM-PEPCO-DAY AHEAD	ELECTRICITY-PJM-PEPCO-DAY
ELECTRICITY-PJM-PEPCO-REAL TIME	ELECTRICITY-PJM-PEPCO-REA
ELECTRICITY-PJM-AGGREGATE PEP CO MD-DAY AHEAD	ELECTRICITY-PJM-AGGREGATE
ELECTRICITY-PJM-AGGREGATE PEP CO MD-REAL TIME	ELECTRICITY-PJM-AGGREGATE
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 PEAK-ICE	ELECTRICITY-PJM-WEST PEAK
ELECTRICITY MISO- CINERGY HUB-REAL TIME	ELECTRICITY MISO- CINERGY
ELECTRICITY MISO- CINERGY HUB-Day Ahead	ELECTRICITY MISO- CINERGY
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-ILLINOIS HUB-Day Ahead	ELECTRICITY MISO-ILLINOIS
ELECTRICITY MISO-ILLINOIS HUB-Real-Time	ELECTRICITY MISO-ILLINOIS
ELECTRICITY-ALBERTA POWER POOL-AESO	ELECTRICITY-ALBERTA POWER
ELECTRICITY-CINERGY (ON-PEAK)-MEGAWATT DAILY	ELECTRICITY-CINERGY (ON-P
ELECTRICITY-ENTERGY (ON-PEAK)-MEGAWATT DAILY	ELECTRICITY-ENTERGY (ON-P
FUEL OIL-180 CST SINGAPORE-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-180 CST SINGAPOR
FUEL OIL - 180 CST SINGAPORE (CARGOES) - PLATTS ASIA PACIFIC	FUEL OIL - 180 CST SINGAP
HIGH SULPHUR FUEL OIL - 180 CST SINGAPORE - PLATTS ASIA-PACIFIC	HIGH SULPHUR FUEL OIL - 1
FUEL OIL-380 CST DAILY PRICE ASSESSMENTS CRISTOBAL (EX-WHARF)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST DAILY PR
FUEL OIL-380 CST FUJAIH (IFO)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST FUJAIH
FUEL OIL-380 CST ROTTERDAM (IFO)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST ROTTERDA
FUEL OIL-380 CST SINGAPORE (NON-CARGOES)-PLATTS OILGRAM BUNKERWIRE	FUEL OIL-380 CST SINGAPOR
FUEL OIL-180 CST ARAB GULF (FOB)-PLATTS ASIA-PACIFIC	FUEL OIL-180 CST ARAB GUL
FUEL OIL 380 CST - FOR ARAB GULF - PLATTS ASIA-PACIFIC	FUEL OIL 380 CST - FOR AR
FUEL OIL-380 CST SINGAPORE (CARGOES)-PLATTS ASIA-PACIFIC MARKETSCAN	FUEL OIL-380 CST SINGAPOR

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
FUEL OIL-1 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-FOB ME
FUEL OIL-1 PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-CIF ME
FUEL OIL-1 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-CARGOE
FUEL OIL-1 PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-CARGOE
FUEL OIL-1 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-1 PERCENT-BARGES
FUEL OIL SCHWERES HEIZOEL-1 PERCENT HSL RHEINSCHIENE	FUEL OIL SCHWERES HEIZOEL
FUEL OIL-3.5 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-CARG
FUEL OIL-3.5 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-BARG
FUEL OIL-3.5 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	FUEL OIL-3.5 PERCENT-FOB
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-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 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 NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 1.0 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 3.0 PERCENT NEW YORK (CARGO)-PLATTS U.S.	FUEL OIL-NO. 6 3.0 PERCEN
FUEL OIL-NO. 6 3.0 PERCENT GULF COAST (WATERBORNE)-PLATTS U.S.	FUEL OIL-NO. 6 3.0 PERCEN
FUEL OIL-1 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-FOB-NW
FUEL OIL-1 PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-CIF-NW
FUEL OIL-1 PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-BARGES
FUEL OIL-1 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-FOB-WE
FUEL OIL-1 PERCENT-CIF-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-1 PERCENT-CIF-WE
FUEL OIL-3.5 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-FOB-
FUEL OIL-3.5 PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-CIF-
FUEL OIL-3.5 PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-BARG
FUEL OIL-3.5 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT	FUEL OIL-3.5 PERCENT-FOB-

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
A Fuel oil 1.0%S -waterborne spot Tokyo bay rim intelligence products	A Fuel oil 1.0%S -waterbo
A Fuel oil 0.1%S -waterborne spot Tokyo bay rim intelligence products	A Fuel oil 0.1%S -waterbo
C Fuel oil 0.3%S -waterborne spot Tokyo bay rim intelligence products	C Fuel oil 0.3%S -waterbo
C Fuel oil 3.3%S -waterborne spot Tokyo bay rim intelligence products	C Fuel oil 3.3%S -waterbor
GAS OIL-ICE	GAS OIL-ICE
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-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN	GAS OIL-0.1 PERCENT-CIF M
GAS OIL-0.1 PERCENT CARGOESFOB MED (ITALY)-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
GAS OIL-0.5 SINGAPORE-PLATTS ASIA-PACIFIC,	GAS OIL-0.5 SINGAPORE-PLA
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 50PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 50PPM - FOB SINGAP
GASOIL 10PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC	GASOIL 10PPM - FOB SINGAP
GASOIL - FOB ARAB GULF - PLATTS ASIA-PACIFIC	GASOIL - FOB ARAB GULF -
GAS OIL-LEICHTES HEIZOEL RHEINSCHIENE	GAS OIL-LEICHTES HEIZOEL
GAS OIL-ICE GASOIL AVERAGE-PLATTS EUROPEAN MARKETSCAN	GAS OIL-ICE GASOIL AVERAG
GAS OIL-ICE GASOIL AVERAGE-ARGUS EUROPEAN PRODUCTS REPORT	GAS OIL-ICE GASOIL AVERAG
GAS OIL-TOCOM	GAS OIL-TOCOM
GAS OIL - 50 PPM - BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GAS OIL - 50 PPM - BARGES
Gasoil-waterborne spot Tokyo bay rim intelligence products	Gasoil-waterborne spot To
GASOLINE 87M COLONIAL-ARGUS US PRODUCTS	GASOLINE 87M COLONIAL-ARG
GASOLINE-PREMIUM UNL 10 PPM-FOB MED (ITALY)-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- 10PPM -CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	GASOLINE- 10PPM -CARGOES
GASOLINE-PREMIUM UNL 10 PPM-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P
GASOLINE-PREMIUM UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GASOLINE-PREMIUM UNL 10 P
GASOLINE-REGULAR UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	GASOLINE-REGULAR UNL 10 P
GASOLINE-PREMIUM CBOB NEW YORK HARBOR (FOB Barge)-PLATTS US MARKETSCAN	GASOLINE-PREMIUM CBOB NEW
GASOLINE-UNL 87 NEW YORK (BARGE)-PLATTS U.S.	GASOLINE-UNL 87 NEW YORK
GASOLINE-UNLEADED RBOB NEW YORK (CARGO)-PLATTS U.S.	GASOLINE-UNLEADED RBOB NE
GASOLINE-UNL 87 NEW YORK (CARGO)-PLATTS U.S.	GASOLINE-UNL 87 NEW YORK
GASOLINE-UNL 87 GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87 GULF COAS

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
GASOLINE-UNL 87 GULF COAST (WATERBORNE)-PLATTS U.S.	GASOLINE-UNL 87 GULF COAS
GASOLINE-UNL 87 WEST COAST PIPELINE (LOS ANGELES)-PLATTS U.S.	GASOLINE-UNL 87 WEST COAS
GASOLINE-UNL 92 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 92 SINGAPORE
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 93 GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 93 GULF COAS
GASOLINE-SUPER UNL 93 NEW YORK (BARGE)-PLATTS U.S.	GASOLINE-SUPER UNL 93 NEW
GASOLINE-EUROBOB NON OXY-ARGUS EUROPEAN PRODUCTS	GASOLINE-EUROBOB NON OXY-
GASOLINE- MOGAS 95R UNL 10PPM-BARGES-ARGUS EUROPEAN PRODUCTS	GASOLINE- MOGAS 95R UNL 1
GASOLINE-MOGAS 95R UNL 10PPM-CIF NWE-CARGOES-ARGUS EUROPEAN PRODUCTS	GASOLINE-MOGAS 95R UNL 10
MTBE-GULF COAST (WATERBORNE)-PLATTS U.S.	MTBE-GULF COAST (WATERBOR
GASOLINE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS,	GASOLINE-WATERBORNE SPOT
GASOLINE-TOCOM	GASOLINE-TOCOM
GASOLINE-RBOB-NEW YORK-NYMEX	GASOLINE-RBOB-NEW YORK-NY
GASOLINE-RBOB-NEW YORK-ICE	GASOLINE-RBOB-NEW YORK-IC
GASOLINE-REGULAR (U.S.)-ENERGY INFORMATION ADMINISTRATION	GASOLINE-REGULAR (U.S.)-E
GASOLINE-UNL RBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL RBOB GULF CO
GASOLINE-CBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-CBOB GULF COAST
GASOLINE-PREM RBOB GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-PREM RBOB GULF C
GASOLINE-UNL 87 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87 ULS 30 AT
GASOLINE-UNL 87-SUPPLEMENTAL GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 87-SUPPLEMEN
GASOLINE-UNL 93-SUPPLEMENTAL GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-UNL 93-SUPPLEMEN
GASOLINE-PREM UNL 93 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S.	GASOLINE-PREM UNL 93 ULS
GASOLINE-EUROBOB OXY-BARGES -ARGUS EUROPEAN PRODUCTS	GASOLINE-EUROBOB OXY-BARG
GASOLINE-CARBOB-R LOS ANGELES (PIPELINE)-OPIS WEST COAST	GASOLINE-CARBOB-R LOS ANG
GASOLINE-UNL 98 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC	GASOLINE-UNL 98 SINGAPORE
HEATING OIL COLONIAL-ARGUS US PRODUCTS	HEATING OIL COLONIAL-ARGU
HEATING OIL-NEW YORK-NYMEX	HEATING OIL-NEW YORK-NYME
HEATING OIL-NEW YORK (BARGE)-PLATTS U.S.	HEATING OIL-NEW YORK (BAR
HEATING OIL-NEW YORK (CARGO)-PLATTS U.S.	HEATING OIL-NEW YORK (CAR
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
HEATING OIL-NEW YORK-ICE	HEATING OIL-NEW YORK-ICE
JET FUEL-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN	JET FUEL-FOB MED (ITALY)-
JET FUEL-NEW YORK (BARGE)-PLATTS U.S.	JET FUEL-NEW YORK (BARGE)
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-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	JET FUEL-BARGES FOB ROTTE

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
JET FUEL-ASIA-PACIFIC (KERO)-PLATTS ASIA-PACIFIC	JET FUEL-ASIA-PACIFIC (KE
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-FOB-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-FOB-NWE-ARGUS EU
JET FUEL-CARGOES-CIF-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-CARGOES-CIF-NWE-
JET FUEL-BARGES-NWE-ARGUS EUROPEAN PRODUCTS	JET FUEL-BARGES-NWE-ARGUS
JET FUEL-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS	JET FUEL-FOB-WEST MED-ARG
KEROSENE-TOCOM	KEROSENE-TOCOM
KEROSENE - FOR ARAB GULF - PLATTS ASIA PACIFIC	KEROSENE - FOR ARAB GULF
KEROSENE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS	KEROSENE-WATERBORNE SPOT
JET FUEL-NEW YORK (BARGE) Low Sulfur Jet -PLATTS U.S.	JET FUEL-NEW YORK (BARGE)
JET FUEL-WEST COAST LOS ANGELES (PIPELINE)-PLATTS U.S.	JET FUEL-WEST COAST LOS A
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:
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 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- GROUP 3 JET Q - Prompt ARGUS US PRODUCTS	JET FUEL- GROUP 3 JET Q -
JET FUEL- Chicago Jet - ARGUS US PRODUCTS REPORT	JET FUEL- Chicago Jet - A
JET FUEL- Los Angeles Jet - ARGUS US PRODUCTS	JET FUEL- Los Angeles Jet
JET FUEL-LOS ANGELES (PIPELINE)-OPIS WEST COAST	JET FUEL-LOS ANGELES (PIP
CLEAN FUELS-SPOT METHANOL (TON) FOB U.S. GULF-CMAI WEEKLY MMR	CLEAN FUELS-SPOT METHANOL
CLEAN FUELS-SPOT METHANOL (GALLON) FOB U.S. GULF-CMAI WEEKLY MMR	CLEAN FUELS-SPOT METHANOL
NAPHTHA-PHYSICAL-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	NAPHTHA-PHYSICAL-CARGOES
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-PHYSICAL-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN	NAPHTHA-PHYSICAL-BARGES F
NAPHTHA-SINGAPORE-PLATTS ASIA-PACIFIC	NAPHTHA-SINGAPORE-PLATTS
NAPHTHA JAPAN (C+F)-PLATTS ASIA PACIFIC	NAPHTHA JAPAN (C+F)-PLATT
NAPHTHA-GULF COAST (WATERBORNE)-PLATTS U.S.	NAPHTHA-GULF COAST (WATER
NAPHTHA - FOR ARAB GULF - PLATTS ASIA-PACIFIC	NAPHTHA - FOR ARAB GULF -
NATURAL GAS-ZEEBRUGGE-DAY AHEAD BASE INDEX-DOW JONES NAT GAS	NATURAL GAS-ZEEBRUGGE-DAY
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-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

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-NBP-DAY AHEAD
NATURAL GAS-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-ZEEBRUGGE HUB
NATURAL GAS-EUR-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-EUR-ZEEBRUGGE
NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE - ARGUS EUROPEAN NAT GAS	NATURAL GAS-ZEEBRUGGE-DAY
NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-EUR-ZEEBRUGGE
NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-TTF-MONTH AHE
NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS	NATURAL GAS-TTF-DAY AHEAD
NATURAL GAS-NBP-DAY AHEAD INDEX-HEREN	NATURAL GAS-NBP-DAY AHEAD
NATURAL GAS-NBP MONTHLY-HEREN	NATURAL GAS-NBP MONTHLY-H
NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-NBP-DAY AHEAD
NATURAL GAS-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-ZEEBRUGGE-MON
NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-ZEEBRUGGE-DAY
NATURAL GAS-EUR-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-EUR-ZEEBRUGGE
NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-EUR-ZEEBRUGGE
NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-TTF-DAY AHEAD
NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-TTF-MONTH AHE
NATURAL GAS-NCG-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN	NATURAL GAS-NCG-DAY AHEAD
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-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-UK MONTHLY-ICE	NATURAL GAS-UK MONTHLY-IC
NATURAL GAS-ICE-NBP NATURAL GAS INDEX-ICE	NATURAL GAS-ICE-NBP NATUR
NATURAL GAS-OCM	NATURAL GAS-OCM
NATURAL GAS-NBP-PLATTS ENGR	NATURAL GAS-NBP-PLATTS EN
NATURAL GAS-TTF-PLATTS ENGR	NATURAL GAS-TTF-PLATTS EN
NATURAL GAS-TTF DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-TTF DAY AHEAD
NATURAL GAS-TTF DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-TTF DAY AHEAD
NATURAL GAS-TTF-MONTH AHEAD INDEX-LEBA	NATURAL GAS-TTF-MONTH AHE
NATURAL GAS-NCG DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-NCG DAY AHEAD
NATURAL GAS-NCG DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA	NATURAL GAS-NCG DAY AHEAD
NATURAL GAS-NCG-MONTH AHEAD INDEX-LEBA	NATURAL GAS-NCG-MONTH AHE

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-GPI DAY AHEAD AND WEEKEND - LEBA	NATURAL GAS-GPI DAY AHEAD
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-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-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-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-MONTH AHEAD INDEX-LEBA	NATURAL GAS-ZEEBRUGGE-MON
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-TTF-MONTH AHEAD-ENDEX	NATURAL GAS-TTF-MONTH AHE
NATURAL GAS-NCG DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-EEX	NATURAL GAS-NCG DAY AHEAD
NATURAL GAS-NCG MONTHLY AVERAGE-EEX	NATURAL GAS-NCG MONTHLY A
NATURAL GAS-GERMANY MONTHLY AVERAGE-EEX	NATURAL GAS-GERMANY MONTH
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 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 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 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-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 SAME DAY 2A ARITHMETIC AVG FOR MONTH (C\$/GJ)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-NGX AB-NIT SAME DAY 2A ARITHMETIC AVG FOR MONTH (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER	NATURAL GAS-NGX AB-NIT SA
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 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 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 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 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-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-SOUTH-CORPUS CHRISTI (NGPL STX)-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-LOUISIANA (COLUMBIA GULF)-GAS DAILY	NATURAL GAS-LOUISIANA (CO
NATURAL GAS-LOUISIANA (COLUMBIA GULF MAINLINE)-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-OKLAHOMA (ANR)-GAS DAILY	NATURAL GAS-OKLAHOMA (ANR
NATURAL GAS-OKLAHOMA (NGPL)-GAS DAILY	NATURAL GAS-OKLAHOMA (NGP
NATURAL GAS-OKLAHOMA (CENTERPOINT EAST)-GAS DAILY	NATURAL GAS-OKLAHOMA (CEN
NATURAL GAS-OKLAHOMA (PANHANDLE)-GAS DAILY	NATURAL GAS-OKLAHOMA (PAN
NATURAL GAS-NEW MEXICO (EL PASO, SAN JUAN)-GAS DAILY	NATURAL GAS-NEW MEXICO (E

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-NEW MEXICO (EL PASO, BONDAD)-GAS DAILY	NATURAL GAS-NEW MEXICO (E
NATURAL GAS-ROCKIES (KERN RIVER, OPAL PLANT)-GAS DAILY	NATURAL GAS-ROCKIES (KERN
NATURAL GAS-CANADIAN GAS (NORTHWEST SUMAS)-GAS DAILY	NATURAL GAS-CANADIAN GAS
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 (COLUMBIA GAS)-GAS DAILY	NATURAL GAS-APPALACHIA (C
NATURAL GAS-PERMIAN BASIN (EL PASO)-GAS DAILY	NATURAL GAS-PERMIAN BASIN
NATURAL GAS-PERMIAN BASIN (WAHA)-GAS DAILY	NATURAL GAS-PERMIAN BASIN
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-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-SOUTH-CORPUS CHRISTI (TENNESSEE ZONE 0)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS
NATURAL GAS-LOUISIANA (ANR)-GAS DAILY	NATURAL GAS-LOUISIANA (AN
NATURAL GAS-LOUISIANA (TRUNKLINE ELA)-GAS DAILY	NATURAL GAS-LOUISIANA (TR
NATURAL GAS-LOUISIANA (TRUNKLINE WLA) -GAS DAILY	NATURAL GAS-LOUISIANA (TR
NATURAL GAS-ROCKIES (STANFIELD ORE.)-GAS DAILY	NATURAL GAS-ROCKIES (STAN
NATURAL GAS-ROCKIES (QUESTAR RM)-GAS DAILY	NATURAL GAS-ROCKIES (QUES
NATURAL GAS-CANADIAN GAS (IROQUOIS)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-CANADIAN GAS (DAWN)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-CANADIAN GAS (KINGSGATE)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-MISS-ALA (TRANSCO ZONE 4)-GAS DAILY	NATURAL GAS-MISS-ALA (TRA
NATURAL GAS-TRANSCO ZONE 4-GAS DAILY	NATURAL GAS-TRANSCO ZONE
NATURAL GAS-OTHERS (VENTURA)-GAS DAILY	NATURAL GAS-OTHERS (VENTU
NATURAL GAS-OTHERS (DEMARCATIION)-GAS DAILY	NATURAL GAS-OTHERS (DEMAR
NATURAL GAS-OTHERS (SOCAL GAS)-GAS DAILY	NATURAL GAS-OTHERS (SOCAL
NATURAL GAS-OTHERS (PG&E MALIN)-GAS DAILY	NATURAL GAS-OTHERS (PG&E
NATURAL GAS-OTHERS (ANR ML 7)-GAS DAILY	NATURAL GAS-OTHERS (ANR M
NATURAL GAS-OTHERS (NGPL AMARILLO RECEIPT)-GAS DAILY	NATURAL GAS-OTHERS (NGPL
NATURAL GAS-OKLAHOMA (SOUTHERN STAR, TX-OKLA-KAN)-GAS DAILY	NATURAL GAS-OKLAHOMA (SOU
NATURAL GAS-OTHERS (DRACUT)-GAS DAILY	NATURAL GAS-OTHERS (DRACU
NATURAL GAS-CITYGATES (TEXAS EASTERN ZONE M-3)-GAS DAILY	NATURAL GAS-CITYGATES (TE
NATURAL GAS-CITYGATES (CHICAGO)-GAS DAILY	NATURAL GAS-CITYGATES (CH
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 (ALGONQUIN)-GAS DAILY	NATURAL GAS-CITYGATES (AL
NATURAL GAS-CITYGATES (TENNESSEE ZONE 6)-GAS DAILY	NATURAL GAS-CITYGATES (TE
NATURAL GAS-CITYGATES (IROQUOIS ZONE 2)-GAS DAILY	NATURAL GAS-CITYGATES (IR
NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NY)-GAS DAILY	NATURAL GAS-CITYGATES (TR
NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NON-NY)-GAS DAILY	NATURAL GAS-CITYGATES (TR
NATURAL GAS-APPALACHIA (LEBANON HUB)-GAS DAILY	NATURAL GAS-APPALACHIA (L
NATURAL GAS-APPALACHIA (LEIDY HUB)-GAS DAILY	NATURAL GAS-APPALACHIA (L

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-CANADIAN GAS (EMERSON, VIKING GL)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-CANADIAN GAS (NIAGARA)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-CANADIAN GAS (TCPL ALBERTA-AECO-C)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-AECO C/NIT (CAD/GJ) - CANADIAN GAS PRICE REPORTER - 5A DAILY	NATURAL GAS-AECO C/NIT (C
NATURAL GAS-AECO C-NIT (CAD/GJ)-CANADIAN GAS PRICE REPORTER-MONTHLY	NATURAL GAS-AECO C-NIT (C
NATURAL GAS-CANADIAN GAS (WESTCOAST, STATION 2)-GAS DAILY	NATURAL GAS-CANADIAN GAS
NATURAL GAS-CITYGATES (CONSUMERS ENERGY)-GAS DAILY	NATURAL GAS-CITYGATES (CO
NATURAL GAS-CITYGATES (FLORIDA)-GAS DAILY	NATURAL GAS-CITYGATES (FL
NATURAL GAS-CITYGATES (KERN RIVER)-GAS DAILY	NATURAL GAS-CITYGATES (KE
NATURAL GAS-CITYGATES (SOCAL)-GAS DAILY	NATURAL GAS-CITYGATES (SO
NATURAL GAS-CITYGATES (TRANSCO ZONE 5 DELIVERED)-GAS DAILY	NATURAL GAS-CITYGATES (TR
NATURAL GAS-MISS-ALA (TEXAS EASTERN M-1, KOSI)-GAS DAILY	NATURAL GAS-MISS-ALA (TEX
NATURAL GAS-OKLAHOMA (ONEOK, OKLA)-GAS DAILY	NATURAL GAS-OKLAHOMA (ONE
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 (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 (PG&E SOUTH)-GAS DAILY	NATURAL GAS-OTHERS (PG&E
NATURAL GAS-OTHERS (TEXAS EASTERN M-1, 24-INCH)-GAS DAILY	NATURAL GAS-OTHERS (TEXAS
NATURAL GAS-OTHERS (TRUNKLINE ZONE 1A)-GAS DAILY	NATURAL GAS-OTHERS (TRUNK
NATURAL GAS-PERMIAN BASIN (TRANSWESTERN)-GAS DAILY	NATURAL GAS-PERMIAN BASIN
NATURAL GAS-ROCKIES (CHEYENNE HUB)-GAS DAILY	NATURAL GAS-ROCKIES (CHEY
NATURAL GAS-ROCKIES (CIG ROCKY MOUNTAINS)-GAS DAILY	NATURAL GAS-ROCKIES (CIG
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-SOUTH-CORPUS CHRISTI (AGUA DULCE HUB)-GAS DAILY	NATURAL GAS-SOUTH-CORPUS
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 (ANR)-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 APPALACHIA (COLUMBIA GAS)- 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 APPALACHIA (DOMINION)-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 PERMIAN BASIN (EL PASO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-MONTHLY INDEX SAN JUAN BASIN (EL PASO)-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 2 (FGTC)-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 WYOMING (KERN RIVER)-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 LOUISIANA (NGPL)-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 SOUTH TEXAS (NGPL)-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 EAST (CENTERPOINT)-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 DEMARCATION (NNG)-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 CANADIAN BORDER (NWPL)-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 OKLAHOMA (ONG)-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 ROCKY MOUNTAINS (QUESTAR)-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 TEXAS (TENNESSEE ZONE 0)-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 W. LOUISIANA (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX
NATURAL GAS-MONTHLY INDEX E. TEXAS (TETCO)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX
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NATURAL GAS-MONTHLY INDEX ZONE 3 (TRANSCO)-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 PERMIAN BASIN (TRANSWESTERN)-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 TEXAS (TRUNKLINE)-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 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 ZONE M-3 (TETCO)-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 6 NON-NY (TRANSCO)-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 W. TEXAS (WAHA)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX
NATURAL GAS-MONTHLY INDEX MISSISSIPPI (MAINLINE)-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX
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NATURAL GAS-MONTHLY INDEX NIAGARA-GAS DAILY PRICE GUIDE	NATURAL GAS-MONTHLY INDEX
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NATURAL GAS-ALGONQUIN CITYGATES-DAY AHEAD-ICE-	NATURAL GAS-ALGONQUIN CIT
NATURAL GAS-ALLIANCE DELIVERED-DAY AHEAD-ICE	NATURAL GAS-ALLIANCE DELI
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

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NATURAL GAS-CARTHAGE-DAY AHEAD-ICE	NATURAL GAS-CARTHAGE-DAY
NATURAL GAS-CEGT- FLEX-DAY AHEAD-ICE	NATURAL GAS-CEGT- FLEX-DA
NATURAL GAS-CEGT WEST-DAY AHEAD-ICE	NATURAL GAS-CEGT WEST-DAY
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-DAY AHEAD-ICE	NATURAL GAS-CHEYENNE-DAY
NATURAL GAS-CHICAGO CITYGATES-DAY AHEAD-ICE	NATURAL GAS-CHICAGO CITYG
NATURAL GAS-CIG MAINLINE-DAY AHEAD-ICE	NATURAL GAS-CIG MAINLINE-
NATURAL GAS-COL GAS TCO-DAY AHEAD-ICE	NATURAL GAS-COL GAS TCO-D
NATURAL GAS-CONSUMERS-DAY AHEAD-ICE	NATURAL GAS-CONSUMERS-DAY
NATURAL GAS-DEMARC-DAY AHEAD-ICE	NATURAL GAS-DEMARC-DAY AH
NATURAL GAS-DOMINION SOUTH-DAY AHEAD-ICE	NATURAL GAS-DOMINION SOUT
NATURAL GAS-DRACUT-DAY AHEAD-ICE	NATURAL GAS-DRACUT-DAY AH
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-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-FGT-Z1-DAY AHEAD-ICE	NATURAL GAS-FGT-Z1-DAY AH
NATURAL GAS-HENRY-DAY AHEADICE	NATURAL GAS-HENRY-DAY AHE
NATURAL GAS-HOUSTON SHIP CHANNEL-DAY AHEAD-ICE	NATURAL GAS-HOUSTON SHIP
NATURAL GAS-IROQUOIS-Z2-DAY AHEAD-ICE	NATURAL GAS-IROQUOIS-Z2-D
NATURAL GAS-KATY-DAY AHEAD-ICE-	NATURAL GAS-KATY-DAY AHEA
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-MALIN-DAY AHEAD-ICE	NATURAL GAS-MALIN-DAY AHE
NATURAL GAS-MICHCON-DAY AHEAD-ICE	NATURAL GAS-MICHCON-DAY A
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-TGT-NGPL-TXOK-DAY AHEAD-ICE	NATURAL GAS-TGT-NGPL-TXOK
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-ONEOK-DAY AHEAD-ICE	NATURAL GAS-ONEOK-DAY AHE
NATURAL GAS-OPAL-DAY AHEAD-ICE	NATURAL GAS-OPAL-DAY AHEA
NATURAL GAS-PANHANDLE-DAY AHEAD-ICE	NATURAL GAS-PANHANDLE-DAY
NATURAL GAS-PG&E-CITYGATE-DAY AHEAD-ICE	NATURAL GAS-PG&E-CITYGATE
NATURAL GAS-SOCAL BORDER-DAY AHEAD-ICE	NATURAL GAS-SOCAL BORDER-
NATURAL GAS-SONAT-T1-DAY AHEAD-ICE	NATURAL GAS-SONAT-T1-DAY
NATURAL GAS-STANFIELD-DAY AHEAD-ICE	NATURAL GAS-STANFIELD-DAY
NATURAL GAS-STATION 2-DAY AHEAD-ICE	NATURAL GAS-STATION 2-DAY
NATURAL GAS-TETCO-ELA-DAY AHEAD-ICE	NATURAL GAS-TETCO-ELA-DAY
NATURAL GAS-TETCO-M1-DAY AHEAD-ICE	NATURAL GAS-TETCO-M1-DAY
NATURAL GAS-TETCO-M3-DAY AHEAD-ICE	NATURAL GAS-TETCO-M3-DAY

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NATURAL GAS-TETCO-STX-DAY AHEAD-ICE	NATURAL GAS-TETCO-STX-DAY
NATURAL GAS-TETCO-WLA-DAY AHEAD-ICE	NATURAL GAS-TETCO-WLA-DAY
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-SL (FT)-DAY AHEAD-ICE	NATURAL GAS-TGT-SL (FT)-D
NATURAL GAS-TGT-Z1(FT)-DAY AHEAD-ICE	NATURAL GAS-TGT-Z1(FT)-DA
NATURAL GAS-TRANSCO-30-DAY AHEAD-ICE	NATURAL GAS-TRANSCO-30-DA
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-TRUNKLINE-ELA-DAY AHEAD-ICE	NATURAL GAS-TRUNKLINE-ELA
NATURAL GAS-TRUNKLINE-WLA-DAY AHEAD-ICE	NATURAL GAS-TRUNKLINE-WLA
NATURAL GAS-VENTURA-DAY AHEAD-ICE	NATURAL GAS-VENTURA-DAY A
NATURAL GAS-WAHA-DAY AHEAD-ICE	NATURAL GAS-WAHA-DAY AHEA
NATURAL GAS-ALBERTA, NOVA INVENTORY TRANSFER (AECO)- MONTH AHEAD-ICE	NATURAL GAS-ALBERTA, NOVA
NATURAL GAS-ALBERTA NATURAL GAS CO. & PG&E GAS TRANSMISSIONS-NORTHWEST INTERCONNECT-MONTH AHEAD- ICE	NATURAL GAS-ALBERTA NATUR
NATURAL GAS-ALGONQUIN GAS TRANSMISSIONS CO.-CITYGATES- MONTH AHEAD-ICE	NATURAL GAS-ALGONQUIN GAS
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-CARTHAGE HUB-TAILGATE-MONTH AHEAD-ICE	NATURAL GAS-CARTHAGE HUB-
NATURAL GAS-CENTERPOINT-WEST (GENERIC-W1 OR W2)- MONTH AHEAD-ICE	NATURAL GAS-CENTERPOINT-W
NATURAL GAS-CENTERPOINT ENERGY GAS TRANSMISSION CO.- EAST (GENERIC-NORTH, SOUTH OR FLEX)-MONTH AHEAD-ICE	NATURAL GAS-CENTERPOINT E
NATURAL GAS-CHEYENNE HUB-MONTH AHEAD-ICE	NATURAL GAS-CHEYENNE HUB-
NATURAL GAS-COLORADO INTERSTATE GAS COMPANY-MAINLINE- MONTH AHEAD-ICE	NATURAL GAS-COLORADO INTE
NATURAL GAS-COLUMBIA GAS CO.-TCO POOL (APPALACHIA)- MONTH AHEAD-ICE	NATURAL GAS-COLUMBIA GAS
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
NATURAL GAS-CONSUMERS ENERGY CITYGATE-MONTH AHEAD- ICE	NATURAL GAS-CONSUMERS ENE
NATURAL GAS-DOMINION-SOUTH POINT-MONTH AHEAD-ICE	NATURAL GAS-DOMINION-SOUT

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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-EP-PERMIAN (KEYSTONE POOL, WAHA POOL)-MONTH AHEAD-ICE	NATURAL GAS-EP-PERMIAN (K
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-HENRY HUB-TAILGATE, LOUISIANA-MONTH AHEAD-ICE	NATURAL GAS-HENRY HUB-TAI
NATURAL GAS-HOUSTON SHIP CHANNEL-HOUSTON PIPE LINE POOL-MONTH AHEAD-ICE	NATURAL GAS-HOUSTON SHIP
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-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-MARITIMES & TENNESSEE GAS PIPELINE CO.-DRACUT INTERCONNECT-MONTH AHEAD-ICE	NATURAL GAS-MARITIMES & T
NATURAL GAS-MICHIGAN CONSOLIDATED CITYGATE-MONTH AHEAD-ICE	NATURAL GAS-MICHIGAN CONS
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
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-NGPL (NICOR, NIPSCO, PGLC CITYGATE), NBPL-NICOR-MONTH AHEAD-ICE	NATURAL GAS-NGPL (NICOR,
NATURAL GAS-NORTHERN NATURAL GAS-DEMARICATION-MONTH AHEAD-ICE	NATURAL GAS-NORTHERN NATU
NATURAL GAS-NORTHERN NATURAL GAS & NORTHERN BORDER (TRANSFER POINT) AT VENTURA-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-ONEOK GAS TRANSPORTATION-MONTH AHEAD-ICE	NATURAL GAS-ONEOK GAS TRA
NATURAL GAS-OPAL PLANT TAILGATE-MONTH AHEAD-ICE	NATURAL GAS-OPAL PLANT TA
NATURAL GAS-PACIFIC GAS TRANSMISSION-STANFIELD POOL-MONTH AHEAD-ICE	NATURAL GAS-PACIFIC GAS T
NATURAL GAS-PACIFIC GAS TRANSMISSION-MALIN POOL-MONTH AHEAD-ICE	NATURAL GAS-PACIFIC GAS T

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NATURAL GAS-PANHANDLE EASTERN PIPE LINE CO.-POOL GAS-MONTH AHEAD-ICE	NATURAL GAS-PANHANDLE EAS
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-SOUTHERN CALIFORNIA BORDER (EHRENBURG,TOPOCK,NEEDLES,WHEELER,KRS,STOR/PROD,KRAMER)-MONTH AHEAD-ICE	NATURAL GAS-SOUTHERN CALI
NATURAL GAS-SOUTHERN NATURAL GAS CO.-TIER 1 POOL-MONTH AHEAD-ICE	NATURAL GAS-SOUTHERN NATU
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-TEXAS EASTERN-M3 ZONE-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- EAST LA-MONTH AHEAD-ICE	NATURAL GAS-TEXAS EASTERN
NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- M1 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 GAS TRANSMISSION CORP.- ZONE 1 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-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-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-UNION GAS-DAWN-MONTH AHEAD-ICE	NATURAL GAS-UNION GAS-DAW
NATURAL GAS-WAHA HUB-WEST TEXAS-MONTH AHEAD-ICE	NATURAL GAS-WAHA HUB-WEST
NATURAL GAS-WESTCOAST ENERGY & NORTHWEST PIPELINE CORP. (CDN BORDER)-MONTH AHEAD-ICE	NATURAL GAS-WESTCOAST ENE

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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-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-ANR (LOUISIANA)-INSIDE FERC	NATURAL GAS-ANR (LOUISIAN
NATURAL GAS-ANR (OKLAHOMA)-INSIDE FERC	NATURAL GAS-ANR (OKLAHOMA
NATURAL GAS-COLUMBIA GAS (APPALACHIA)-INSIDE FERC	NATURAL GAS-COLUMBIA GAS
NATURAL GAS - MAINLINE (CGTC) - INSIDE FERC	NATURAL GAS - MAINLINE (C
NATURAL GAS-CIG (ROCKY MOUNTAINS)-INSIDE FERC	NATURAL GAS-CIG (ROCKY MO
NATURAL GAS-DOMINION (APPALACHIA)-INSIDE FERC	NATURAL GAS-DOMINION (APP
NATURAL GAS-COLUMBIA GULF (LOUISIANA)-INSIDE FERC	NATURAL GAS-COLUMBIA GULF
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-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-KERN RIVER (WYOMING)-INSIDE FERC	NATURAL GAS-KERN RIVER (W
NATURAL GAS-NGPL (LOUISIANA)-INSIDE FERC	NATURAL GAS-NGPL (LOUISIA
NATURAL GAS-NGPL (TEXOK)-INSIDE FERC	NATURAL GAS-NGPL (TEXOK)-
NATURAL GAS-NGPL (SOUTH TEXAS)-INSIDE FERC	NATURAL GAS-NGPL (SOUTH T
NATURAL GAS - TEXAS (KOCH) - INSIDE FERC	NATURAL GAS - TEXAS (KOCH
NATURAL GAS-MIDCONTINENT (NGPL)-INSIDE FERC	NATURAL GAS-MIDCONTINENT
NATURAL GAS-CENTERPOINT (EAST)-INSIDE FERC	NATURAL GAS-CENTERPOINT (
NATURAL GAS-NNG (VENTURA)-INSIDE FERC	NATURAL GAS-NNG (VENTURA)
NATURAL GAS-NNG (DEMARCATON)-INSIDE FERC	NATURAL GAS-NNG (DEMARCAT
NATURAL GAS-TEX/OKLA/KAN (NNG)-INSIDE FERC	NATURAL GAS-TEX/OKLA/KAN
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-ONG (OKLAHOMA)-INSIDE FERC	NATURAL GAS-ONG (OKLAHOMA
NATURAL GAS-PEPL (TEXOK MAINLINE)-INSIDE FERC	NATURAL GAS-PEPL (TEXOK M
NATURAL GAS-QUESTAR (ROCKY MOUNTAINS)-INSIDE FERC	NATURAL GAS-QUESTAR (ROCK
NATURAL GAS-SOUTHERN NATURAL (LOUISIANA)-INSIDE FERC	NATURAL GAS-SOUTHERN NATU
NATURAL GAS-TENNESSEE GAS (TEXAS ZONE 0)-INSIDE FERC	NATURAL GAS-TENNESSEE GAS
NATURAL GAS-TETCO (E. LOUISIANA ZONE)-INSIDE FERC	NATURAL GAS-TETCO (E. LOU
NATURAL GAS-TETCO (W. LOUISIANA ZONE)-INSIDE FERC	NATURAL GAS-TETCO (W. LOU
NATURAL GAS-TETCO (E. TEXAS ZONE)-INSIDE FERC	NATURAL GAS-TETCO (E. TEX
NATURAL GAS-TETCO (S. TEXAS ZONE)-INSIDE FERC	NATURAL GAS-TETCO (S. TEX
NATURAL GAS-TGT (ZONE 1)-INSIDE FERC	NATURAL GAS-TGT (ZONE 1)-
NATURAL GAS-TGT (ZONE SL)-INSIDE FERC	NATURAL GAS-TGT (ZONE SL)
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-ZONE 4 (TRANSCO)INSIDE FERC	NATURAL GAS-ZONE 4 (TRANS
NATURAL GAS-TRANSWESTERN (PERMIAN BASIN)-INSIDE FERC	NATURAL GAS-TRANSWESTERN

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NATURAL GAS-TRUNKLINE (LOUISIANA)-INSIDE FERC	NATURAL GAS-TRUNKLINE (LO
NATURAL GAS-TRUNKLINE (ZONE 1A)-INSIDE FERC	NATURAL GAS-TRUNKLINE (ZO
NATURAL GAS-SOUTHERN STAR (TEX/OKLA/KAN)-INSIDE FERC	NATURAL GAS-SOUTHERN STAR
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-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-S. LOUISIANA (HENRY HUB)-INSIDE FERC	NATURAL GAS-S. LOUISIANA
NATURAL GAS-W. TEXAS (WAHA)-INSIDE FERC	NATURAL GAS-W. TEXAS (WAH
NATURAL GAS-NORTHEAST (ALGONQUIN CITY-GATE)-INSIDE FERC	NATURAL GAS-NORTHEAST (AL
NATURAL GAS-NORTHEAST (TENNESSEE ZONE 6 DELIVERED)-INSIDE FERC	NATURAL GAS-NORTHEAST (TE
NATURAL GAS-UPPER MIDWEST (MICH CON CITY-GATE)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST
NATURAL GAS-UPPER MIDWEST (ANR ML 7)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST
NATURAL GAS-UPPER MIDWEST (DAWN ONTARIO)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST
NATURAL GAS-NORTHEAST (NIAGARA)-INSIDE FERC	NATURAL GAS-NORTHEAST (NI
NATURAL GAS-UPPER MIDWEST (CHICAGO CITY-GATES)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST
NATURAL GAS-ROCKIES/NW (AECO-C)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (A
NATURAL GAS-ROCKIES/NW (STANFIELD)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (S
NATURAL GAS-CALIFORNIA (PG&E CITY-GATE)-INSIDE FERC	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 (SOUTHERN CALIFORNIA GAS CO.)-INSIDE FERC	NATURAL GAS-CALIFORNIA (S
NATURAL GAS-COLUMBIA GULF (MAINLINE)-INSIDE FERC	NATURAL GAS-COLUMBIA GULF
NATURAL GAS-NBPL (VENTURA TP)-INSIDE FERC	NATURAL GAS-NBPL (VENTURA
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-ROCKIES/NW (CHEYENNE HUB)-INSIDE FERC	NATURAL GAS-ROCKIES/NW (C
NATURAL GAS-TETCO (M-1 ZONE)-INSIDE FERC	NATURAL GAS-TETCO (M-1 ZO
NATURAL GAS-UPPER MIDWEST (CONSUMERS ENERGY CITY-GATES)-INSIDE FERC	NATURAL GAS-UPPER MIDWEST
NATURAL GAS-LOUISIANA-NATURAL GAS WEEK	NATURAL GAS-LOUISIANA-NAT
NATURAL GAS-MIDCONTINENT (NGPL)-NGI	NATURAL GAS-MIDCONTINENT
NATURAL GAS-CALIFORNIA (MALIN)-NGI	NATURAL GAS-CALIFORNIA (M
NATURAL GAS-MIDWEST (CHICAGO CITYGATE)-NGI	NATURAL GAS-MIDWEST (CHIC
NATURAL GAS-CALIFORNIA (SOUTHERN CALIFORNIA BDR. AVG.)-NGI	NATURAL GAS-CALIFORNIA (S
NATURAL GAS-CALIFORNIA (PG&E CITYGATE)-NGI	NATURAL GAS-CALIFORNIA (P
NATURAL GAS-CALIFORNIA (SOCAL CITYGATE)-NGI	NATURAL GAS-CALIFORNIA (S
NATURAL GAS-CALIFORNIA (SOUTHERN BORDER, PG&E)-NGI	NATURAL GAS-CALIFORNIA (S
NATURAL GAS-W. TEXAS (WAHA)-NGI	NATURAL GAS-W. TEXAS (WAH

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NATURAL GAS-AECO (\$CAD/GJ)-NGX	NATURAL GAS-AECO (\$CAD/GJ
NATURAL GAS-EMPRESS (\$US/MMBTU)-NGX	NATURAL GAS-EMPRESS (\$US/
NATURAL GAS-EMERSON (\$CAD/GJ)-NGX	NATURAL GAS-EMERSON (\$CAD
NATURAL GAS-STATION #2 (\$CAD/GJ)-NGX	NATURAL GAS-STATION #2 (\$
NATURAL GAS-UNION DAWN (\$US/MMBTU)-NGX	NATURAL GAS-UNION DAWN (\$
NATURAL GAS-NIAGARA (\$US/MMBTU)-NGX	NATURAL GAS-NIAGARA (\$US/
NATURAL GAS-IROQUOIS (\$US/MMBTU)-NGX	NATURAL GAS-IROQUOIS (\$US
NATURAL GAS-NYMEX	NATURAL GAS-NYMEX
NGL-BUTANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE; CIF A
NGL-PROPANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE; CIF
NGL-PROPANE (EUROPE: FOB NORTHWEST EUROPE SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FOB
NGL-BUTANE (EUROPE: FOB NORTHWEST EUROPE SMALL)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FOB N
NGL-PROPANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF
NGL-BUTANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: CIF A
NGL-PROPANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FOB
NGL-BUTANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FOB A
NGL-PROPANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FCA
NGL-BUTANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: FCA A
NGL-PROPANE (EUROPE: CIF MEDITERRANEAN LARGE)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF
NGL-BUTANE (EUROPE: CIF MEDITERRANEAN LARGE)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (EUROPE: CIF M
NGL-PROPANE (EUROPE: CIF MEDITERRANEAN SMALL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: CIF
NGL-PROPANE (EUROPE: FCA MEDITERRANEAN RAIL)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (EUROPE: FCA
NGL-PROPANE-BUTANE MIX (EUROPE: FOB BLACK SEA)-ARGUS INTERNATIONAL LPG	NGL-PROPANE-BUTANE MIX (E
NGL-PROPANE (ANSI) -ARGUS INTERNATIONAL LPG	NGL-PROPANE (ANSI) -ARGUS
NGL-PROPANE (SAUDI ARAMCO)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (SAUDI ARAMCO
NGL-PROPANE (FAR EAST INDEX)-ARGUS INTERNATIONAL LPG	NGL-PROPANE (FAR EAST IND
NGL-BUTANE (ASIA-PACIFIC REFRIGERATED CARGOES)-ARGUS INTERNATIONAL LPG	NGL-BUTANE (ASIA-PACIFIC
NGL-PROPANE-NYMEX	NGL-PROPANE-NYMEX
NGL-CONWAY N. BUTANE (IN-WELL)-OPIS	NGL-CONWAY N. BUTANE (IN-
NGL-CONWAY N. BUTANE (IN-WELL)-PROMPT MONTH 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-LINE)-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-LINE)-OUT MONTH-OPIS	NGL-CONWAY N. BUTANE (IN-

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NGL-CONWAY ETHANE IN E-P (IN-WELL)-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-WELL)-OUT 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 ETHANE IN E-P (IN-LINE)-PROMPT MONTH-OPIS	NGL-CONWAY ETHANE IN E-P
NGL-CONWAY ETHANE IN E-P (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY ETHANE IN E-P
NGL-CONWAY ISOBUTANE (IN-LINE)-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY ISOBUTANE (IN-LINE)-PROMPT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY ISOBUTANE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY ISOBUTANE (IN-WELL)-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY ISOBUTANE (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY ISOBUTANE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY ISOBUTANE (IN-
NGL-CONWAY N. GASOLINE (IN-LINE)-OPIS	NGL-CONWAY N. GASOLINE (I
NGL-CONWAY N. GASOLINE (IN-LINE)-PROMT MONTH-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-WELL)-OPIS	NGL-CONWAY N. GASOLINE (I
NGL-CONWAY N. GASOLINE (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY N. GASOLINE (I
NGL-CONWAY N. GASOLINE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY N. GASOLINE (I
NGL-CONWAY PROPANE (IN-LINE)-OPIS	NGL-CONWAY PROPANE (IN-LI
NGL-CONWAY PROPANE (IN-LINE)-PROMPT MONTH-OPIS	NGL-CONWAY PROPANE (IN-LI
NGL-CONWAY PROPANE (IN-LINE)-OUT MONTH-OPIS	NGL-CONWAY PROPANE (IN-LI
NGL-CONWAY PROPANE (IN-WELL)-OPIS	NGL-CONWAY PROPANE (IN-WE
NGL-CONWAY PROPANE (IN-WELL)-PROMPT MONTH-OPIS	NGL-CONWAY PROPANE (IN-WE
NGL-CONWAY PROPANE (IN-WELL)-OUT MONTH-OPIS	NGL-CONWAY PROPANE (IN-WE
NGL-MONT BELVIEU N. BUTANE (TET)-OPIS	NGL-MONT BELVIEU N. BUTAN
NGL-MONT BELVIEU N. BUTANE (TET)-PROMPT MONTH-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 (NON-TET)-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 (NON-TET)-OUT 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)-PROMPT MONTH-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 EP MIX-OPIS	NGL-MONT BELVIEU EP MIX-O
NGL-MONT BELVIEU EP MIX-PROMPT MONTH-OPIS	NGL-MONT BELVIEU EP MIX-P
NGL-MONT BELVIEU EP MIX-OUT MONTH-OPIS	NGL-MONT BELVIEU EP MIX-O
NGL-MONT BELVIEU OTHER NON-TET E-P MIX-OPIS	NGL-MONT BELVIEU OTHER NO
NGL-MONT BELVIEU OTHER NON-TET E-P MIX-PROMPT MONTH-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 PURITY ETHANE-OPIS	NGL-MONT BELVIEU PURITY E
NGL-MONT BELVIEU PURITY ETHANE-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PURITY E
NGL-MONT BELVIEU PURITY ETHANE-OUT MONTH-OPIS	NGL-MONT BELVIEU PURITY E
NGL-MONT BELVIEU ISOBUTANE (TET)-OPIS	NGL-MONT BELVIEU ISOBUTAN

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NGL-MONT BELVIEU ISOBUTANE (TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU ISOBUTANE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OUT 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)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU ISOBUTAN
NGL-MONT BELVIEU N. GASOLINE (NON-TET)-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 (NON-TET)-OUT 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)-PROMPT MONTH-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 (OTHER NON-TET)-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 (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU N. GASOL
NGL-MONT BELVIEU RIVER N. GASOLINE-OPIS	NGL-MONT BELVIEU RIVER N.
NGL-MONT BELVIEU RIVER N. GASOLINE-PROMPT MONTH-OPIS	NGL-MONT BELVIEU RIVER N.
NGL-MONT BELVIEU RIVER N. GASOLINE-OUT MONTH-OPIS	NGL-MONT BELVIEU RIVER N.
NGL-MONT BELVIEU PROPANE (TET)-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (NON-TET)-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (NON-TET)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (NON-TET)-OUT 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)-PROMPT MONTH-OPIS	NGL-MONT BELVIEU PROPANE
NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-OUT MONTH-OPIS	NGL-MONT BELVIEU PROPANE
NGL-BUSHTON PROPANE KM-OPIS	NGL-BUSHTON PROPANE KM-OP
NGL-BUSHTON PROPANE KM-PROMPT MONTH-OPIS	NGL-BUSHTON PROPANE KM-PR
NGL-BUSHTON PROPANE KM-OUT MONTH-OPIS	NGL-BUSHTON PROPANE KM-OU
NGL-BUSHTON N. Butane KM-OPIS	NGL-BUSHTON N. Butane KM-
NGL-BUSHTON N. Butane KM-PROMPT MONTH-OPIS	NGL-BUSHTON N. Butane KM-
NGL-BUSHTON N. Butane KM-OUT MONTH-OPIS	NGL-BUSHTON N. Butane KM-
NGL-BUSHTON ISOBUTANE KM-OPIS	NGL-BUSHTON ISOBUTANE KM-
NGL-BUSHTON ISOBUTANE KM-PROMPT MONTH-OPIS	NGL-BUSHTON ISOBUTANE KM-
NGL-BUSHTON ISOBUTANE KM-OUT MONTH-OPIS	NGL-BUSHTON ISOBUTANE KM-
NGL-BUSHTON N. GASOLINE KM-OPIS	NGL-BUSHTON N. GASOLINE K
NGL-BUSHTON N. GASOLINE KM-PROMPT MONTH-OPIS	NGL-BUSHTON N. GASOLINE K

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NGL-BUSHTON N. GASOLINE KM-OUT MONTH-OPIS	NGL-BUSHTON N. GASOLINE K
NGL-BUSHTON ETHANE (IN E-P) KM-OPIS	NGL-BUSHTON ETHANE (IN E-
NGL-BUSHTON ETHANE (IN E-P) KM-PROMPT MONTH-OPIS	NGL-BUSHTON ETHANE (IN E-
NGL-BUSHTON ETHANE (IN E-P) KM-OUT MONTH-OPIS	NGL-BUSHTON ETHANE (IN E-
NGL-CANADIAN PROPANE (SARNIA)-OPIS	NGL-CANADIAN PROPANE (SAR
NGL-CANADIAN PROPANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN PROPANE (SAR
NGL-CANADIAN PROPANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN PROPANE (SAR
NGL-CANADIAN PROPANE (EDMONTON)-OPIS	NGL-CANADIAN PROPANE (EDM
NGL-CANADIAN PROPANE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN PROPANE (EDM
NGL-CANADIAN N. BUTANE (SARNIA)-OPIS	NGL-CANADIAN N. BUTANE (S
NGL-CANADIAN N. BUTANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN N. BUTANE (S
NGL-CANADIAN N. BUTANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN N. BUTANE (S
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OPIS	NGL-CANADIAN FIELD GRADE
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN FIELD GRADE
NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OUT MONTH-OPIS	NGL-CANADIAN FIELD GRADE
NGL-CANADIAN ISOBUTANE (SARNIA)-OPIS	NGL-CANADIAN ISOBUTANE (S
NGL-CANADIAN ISOBUTANE (SARNIA)-PROMPT MONTH-OPIS	NGL-CANADIAN ISOBUTANE (S
NGL-CANADIAN ISOBUTANE (SARNIA)-OUT MONTH-OPIS	NGL-CANADIAN ISOBUTANE (S
NGL-CANADIAN N. GASOLINE (EDMONTON)-OPIS	NGL-CANADIAN N. GASOLINE
NGL-CANADIAN N, GASOLINE (EDMONTON)-PROMPT MONTH-OPIS	NGL-CANADIAN N, GASOLINE
NGL-CANADIAN N, GASOLINE (EDMONTON)-OUT MONTH-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)-PROMPT MONTH-OPIS	NGL-CANADIAN N. GASOLINE
NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-OUT MONTH-OPIS	NGL-CANADIAN N. GASOLINE
NGL-HATTIESBURG PROPANE (IN-LINE)-OPIS	NGL-HATTIESBURG PROPANE (
NGL-HATTIESBURG PROPANE (IN-LINE)-PROMPT MONTH-OPIS	NGL-HATTIESBURG PROPANE (
NGL-HATTIESBURG PROPANE (IN-LINE)-OUT MONTH-OPIS	NGL-HATTIESBURG PROPANE (
NGL-HATTIESBURG PROPANE (STORAGE)-OPIS	NGL-HATTIESBURG PROPANE (
NGL-HATTIESBURG PROPANE (STORAGE)-PROMPT MONTH-OPIS	NGL-HATTIESBURG PROPANE (
NGL-HATTIESBURG PROPANE (STORAGE)-OUT MONTH-OPIS	NGL-HATTIESBURG PROPANE (
NGL-NAPOLEAONVILLE PROPANE- OPIS	NGL-NAPOLEAONVILLE PROPAN
NGL-NAPOLEAONVILLE PROPANE-PROMPT MONTH OPIS	NGL-NAPOLEAONVILLE PROPAN
NGL-NAPOLEAONVILLE PROPANE-OUT MONTH OPIS	NGL-NAPOLEAONVILLE PROPAN
NGL-NAPOLEAONVILLE N. BUTANE- OPIS	NGL-NAPOLEAONVILLE N. BUT
NGL-NAPOLEAONVILLE N. BUTANE- PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE N. BUT
NGL-NAPOLEAONVILLE N. BUTANE- OUT MONTH-OPIS	NGL-NAPOLEAONVILLE N. BUT
NGL-NAPOLEAONVILLE ISOBUTANE-OPIS	NGL-NAPOLEAONVILLE ISOBUT
NGL-NAPOLEAONVILLE ISOBUTANE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE ISOBUT
NGL-NAPOLEAONVILLE ISOBUTANE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE ISOBUT
NGL-NAPOLEAONVILLE N. GASOLINE-OPIS	NGL-NAPOLEAONVILLE N. GAS
NGL-NAPOLEAONVILLE N. GASOLINE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE N. GAS
NGL-NAPOLEAONVILLE N. GASOLINE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE N. GAS

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
NGL-NAPOLEAONVILLE PURITY ETHANE-OPIS	NGL-NAPOLEAONVILLE PURITY
NGL-NAPOLEAONVILLE PURITY ETHANE-PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE PURITY
NGL-NAPOLEAONVILLE PURITY ETHANE-OUT MONTH-OPIS	NGL-NAPOLEAONVILLE PURITY
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OPIS	NGL-NAPOLEAONVILLE ETHANE
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- PROMPT MONTH-OPIS	NGL-NAPOLEAONVILLE ETHANE
NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OUT MONTH-OPIS	NGL-NAPOLEAONVILLE ETHANE
NGL-GEISMAR/SORRENTO PROPANE-OPIS	NGL-GEISMAR/SORRENTO PROP
NGL-GEISMAR/SORRENTO PROPANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO PROP
NGL-GEISMAR/SORRENTO PROPANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO PROP
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 ISOBUTANE-OPIS	NGL-GEISMAR/SORRENTO ISOB
NGL-GEISMAR/SORRENTO ISOBUTANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO ISOB
NGL-GEISMAR/SORRENTO ISOBUTANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO ISOB
NGL-GEISMAR/SORRENTO N. GASOLINE-OPIS	NGL-GEISMAR/SORRENTO N. G
NGL-GEISMAR/SORRENTO N. GASOLINE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. G
NGL-GEISMAR/SORRENTO N. GASOLINE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO N. G
NGL-GEISMAR/SORRENTO PURITY ETHANE-OPIS	NGL-GEISMAR/SORRENTO PURI
NGL-GEISMAR/SORRENTO PURITY ETHANE-PROMPT MONTH-OPIS	NGL-GEISMAR/SORRENTO PURI
NGL-GEISMAR/SORRENTO PURITY ETHANE-OUT MONTH-OPIS	NGL-GEISMAR/SORRENTO PURI
OIL-BRENT/BFOE-ARGUS CRUDE	OIL-BRENT/BFOE-ARGUS CRUD
OIL-BRENT/BFOE (DATED)-ARGUS CRUDE	OIL-BRENT/BFOE (DATED)-AR
OIL-BRENT/BFOE-PLATTS MARKETWIRE	OIL-BRENT/BFOE-PLATTS MAR
OIL-BRENT/BFOE (DTD)-PLATTS MARKETWIRE	OIL-BRENT/BFOE (DTD)-PLAT
BRENT/BFOEOIL-BRENT/BFOE-ICE	BRENT/BFOEOIL-BRENT/BFOE-
OIL-BWAVE-ICE/-PLATTS MARKETWIRE	OIL-BWAVE-ICE/-PLATTS MAR
OIL-LLS-PLATTS MARKETWIRE	OIL-LLS-PLATTS MARKETWIRE
OIL-MARS-PLATTS MARKETWIRE	OIL-MARS-PLATTS MARKETWIR
OIL-DUBAI-PLATTS MARKETWIRE	OIL-DUBAI-PLATTS MARKETWI
OIL-JCC-PROVISIONAL	OIL-JCC-PROVISIONAL
OIL-JCC-9 DIGIT PROVISIONAL	OIL-JCC-9 DIGIT PROVISION
OIL-JCC-DETAILED	OIL-JCC-DETAILED
OIL-JCC-FIXED	OIL-JCC-FIXED
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-URALS (CIF ROTTERDAM)-PLATTS MARKETWIRE	OIL-URALS (CIF ROTTERDAM)
OIL-CRUDE OIL-TOCOM	OIL-CRUDE OIL-TOCOM
OIL-OMAN-PLATTS MARKETWIRE	OIL-OMAN-PLATTS MARKETWIR
OMAN MINISTRY OF GAS OFFICIAL PRICE	OMAN MINISTRY OF GAS OFFI
OIL-TAPIS-APPI	OIL-TAPIS-APPI
OIL-TAPIS-PLATTS MARKETWIRE	OIL-TAPIS-PLATTS MARKETWI
OIL-NW SHELF-APPI	OIL-NW SHELF-APPI
OIL-LLS-ARGUS CRUDE	OIL-LLS-ARGUS CRUDE

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
OIL-MARS-ARGUS CRUDE	OIL-MARS-ARGUS CRUDE
OIL-ARGUS SOUR CRUDE INDEX (ASCI [®])-ARGUS CRUDE	OIL-ARGUS SOUR CRUDE INDE
OIL-WTI-ARGUS CRUDE	OIL-WTI-ARGUS CRUDE
OIL-WTI MIDLAND-PLATTS MARKETWIRE	OIL-WTI MIDLAND-PLATTS MA
OIL-WTI-PLATTS MARKETWIRE	OIL-WTI-PLATTS MARKETWIRE
OIL-WTI-NYMEX	OIL-WTI-NYMEX
OIL-WTI-ICE	OIL-WTI-ICE
OIL-WTS-ARGUS CRUDE	OIL-WTS-ARGUS CRUDE
OIL-WTS-PLATTS MARKETWIRE	OIL-WTS-PLATTS MARKETWIRE
ARABIAN LIGHT FOB ARA CRACK NETBACK-PLATTS MARKETWIRE	ARABIAN LIGHT FOB ARA CRA
BRASS BLEND FOB ARA CRACK NETBACK-PLATTS MARKETWIRE	BRASS BLEND FOB ARA CRACK
IRANIAN LIGHT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	IRANIAN LIGHT FOB ARA CRA
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
MURBAN FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	MURBAN FOB ARA CRACK NETB
SAHARAN BLEND FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	SAHARAN BLEND FOB ARA CRA
ZUETINA FOB ARA CRACK NETBACK- PLATTS MARKETWIRE	ZUETINA FOB ARA CRACK NET
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 UK-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN	ULTRA LOW SULPHUR DIESEL-
ULTRA-LOW SULPHUR DIESEL 10PPM- FOB MED (ITALY) - 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 - U.S. GULF COAST PIPELINE - PLATTS OILGRAM	ULTRA LOW SULPHUR DIESEL
Ethylene CMAI	Ethylene CMAI
EMISSIONS - ICE-ECX EUA FUTURES	EMISSIONS - ICE-ECX EUA F
EMISSIONS - EU ETS-LEBA CARBON EUA INDEX	EMISSIONS - EU ETS-LEBA C
EMISSIONS - EU ETS-EUA FUTURES-NASDAQ OMX	EMISSIONS - EU ETS-EUA FU
EMISSIONS - EU ETS-EUA FORWARD-NASDAQ OMX	EMISSIONS - EU ETS-EUA FO
EMISSIONS - EU ETS-EUROPEAN CARBON FUTURES FORWARD-EEX	EMISSIONS - EU ETS-EUROPE
EMISSIONS - EU ETS-PWX CARBON SPOT-POWERNEXT	EMISSIONS - EU ETS-PWX CA
EMISSIONS - EU ETS-EUA SPOT-NASDAQ OMX	EMISSIONS - EU ETS-EUA SP
EMISSIONS - EU ETS-SPOT-EEX	EMISSIONS - EU ETS-SPOT-E
EMISSIONS - EU ETS-SPOT-EXAA	EMISSIONS - EU ETS-SPOT-E
EMISSIONS - EU ETS-LEBA SPOT CARBON EUA INDEX	EMISSIONS - EU ETS-LEBA S
EMISSIONS - ICE-ECX EUA Daily Futures	EMISSIONS - ICE-ECX EUA D
EMISSIONS - BLUENEXT SPOT EUA	EMISSIONS - BLUENEXT SPOT
EMISSIONS - BLUENEXT FUTURES EUA	EMISSIONS - BLUENEXT FUTU
EMISSIONS - ICE ECX EUA Futures Options	EMISSIONS - ICE ECX EUA F
EMISSIONS - ICE ECX CER FUTURES	EMISSIONS - ICE ECX CER F
EMISSIONS - ICE ECX CER DAILY FUTURES	EMISSIONS - ICE ECX CER D

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
EMISSIONS - EU ETS-LEBA CARBON CER INDEX	EMISSIONS - EU ETS-LEBA C
EMISSIONS - EU ETS-LEBA SPOT CARBON CER INDEX	EMISSIONS - EU ETS-LEBA S
EMISSIONS - BLUENEXT SPOT CER	EMISSIONS - BLUENEXT SPOT
EMISSIONS - EU ETS-CER SPOT-NASDAQ OMX	EMISSIONS - EU ETS-CER SP
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 - ICE ECX CER Futures Options	EMISSIONS - ICE ECX CER F
EMISSIONS - BLUENEXT SPOT GREEN CER	EMISSIONS - BLUENEXT SPOT
EMISSIONS - BLUENEXT FUTURES CER	EMISSIONS - BLUENEXT FUTU
EMISSIONS - BLUENEXT SPOT ERU	EMISSIONS - BLUENEXT SPOT
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C8_03 or BALTIC C8_03 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C9_03 or BALTIC C9_03 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C10_03 or BALTIC C10_03 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C11_03 or BALTIC C11_03 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX TIME CHARTER AVERAGE ROUTES-CALCULATED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-C
SM6TC (Supramax Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - SUPRAMAX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	SM6TC (Supramax Dry Time
HS6TC (Handysize Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - HANDYSIZE TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	HS6TC (Handysize Dry Time
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C2 or BALTIC C2 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C3 or BALTIC C3 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C4 or BALTIC C4 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C5 or BALTIC C5 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-BALTIC EXCHANGE-CAPE SIZE INDEX ROUTE C7 or BALTIC C7 each	FREIGHT-BALTIC EXCHANGE-C
FREIGHT-CAPE SIZE-RICHARDS BAY-SSY	FREIGHT-CAPE SIZE-RICHARDS
FREIGHT-CAPE SIZE-BOLIVAR-SSY	FREIGHT-CAPE SIZE-BOLIVAR-
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P1A_03 or BALTIC P1A_03 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 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 TIME CHARTER INDEX AVERAGE ROUTES-CALCULATED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-P
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE	FREIGHT-BALTIC EXCHANGE-P

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P1 or BALTIC P1 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 P3 or BALTIC P3 each	FREIGHT-BALTIC EXCHANGE-P
FREIGHT-PANAMAX-INDONESIA-SSY	FREIGHT-PANAMAX-INDONESIA
FREIGHT-PANAMAX-RICHARDS BAY-SSY	FREIGHT-PANAMAX-RICHARDS
FREIGHT-PANAMAX-BOLIVAR-SSY	FREIGHT-PANAMAX-BOLIVAR-S
FREIGHT-BALTIC EXCHANGE-SUPRAMEX INDEX ROUTE M1A or BALTIC S1A each	FREIGHT-BALTIC EXCHANGE-S
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M1B or BALTIC S1B each	FREIGHT-BALTIC EXCHANGE-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S2 or BALTIC S2 each	FREIGHT-BALTIC EXCHANGE-
FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M3 or BALTIC S3 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-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 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

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
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
FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD12 or BALTIC TD12 each	FREIGHT-BALTIC EXCHANGE-D
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 TD2 (RAS TANURA-SINGAPORE) or PLATTS TD2 (RT-SING) each	FREIGHT-PLATTS DIRTY TANK
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 (PLC-CC) 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
ALUMINIUM-COMEX	ALUMINIUM-COMEX
ALUMINIUM-LME CASH	ALUMINIUM-LME CASH
ALUMINIUM-LME 3 MONTH	ALUMINIUM-LME 3 MONTH
ALUMINIUM-LME 15 MONTH	ALUMINIUM-LME 15 MONTH
ALUMINIUM-LME 27 MONTH	ALUMINIUM-LME 27 MONTH
ALUMINIUM-MIDWEST-PLATTS METALS ALERT	ALUMINIUM-MIDWEST-PLATTS
ALUMINIUM-TOCOM	ALUMINIUM-TOCOM
ALUMINIUM ALLOY-LME CASH	ALUMINIUM ALLOY-LME CASH

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
ALUMINIUM ALLOY-LME 3 MONTH	ALUMINIUM ALLOY-LME 3 MON
ALUMINIUM ALLOY-LME 15 MONTH	ALUMINIUM ALLOY-LME 15 MO
ALUMINIUM ALLOY-LME 27 MONTH	ALUMINIUM ALLOY-LME 27 MO
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
NASAAC-LME CASH	NASAAC-LME CASH
NASAAC-LME 3 MONTH	NASAAC-LME 3 MONTH
NASAAC-LME 15 MONTH	NASAAC-LME 15 MONTH
NASAAC-LME 27 MONTH	NASAAC-LME 27 MONTH
COBALT HIGH GRADE: Metal Bulletin:	COBALT HIGH GRADE: Metal
COBALT LOW GRADE: Metal Bulletin:	COBALT LOW GRADE: Metal B
COBALT - LME - CASH	COBALT - LME - CASH
COBALT - LME - 3 MONTH	COBALT - LME - 3 MONTH
COBALT-LME 3 month	COBALT-LME 3 month
COBALT-LME 15 month	COBALT-LME 15 month
COPPER-LME CASH	COPPER-LME CASH
COPPER-LME 3 MONTH	COPPER-LME 3 MONTH
COPPER-LME 15 MONTH	COPPER-LME 15 MONTH
COPPER-LME 27 MONTH	COPPER-LME 27 MONTH
COPPER-COMEX	COPPER-COMEX
COPPER-COMEX-SAFEX	COPPER-COMEX-SAFEX
GOLD-A.M. FIX	GOLD-A.M. FIX
GOLD-A.M. FIX (EUR)	GOLD-A.M. FIX (EUR)
GOLD-A.M. FIX (GBP)	GOLD-A.M. FIX (GBP)
GOLD-P.M. FIX	GOLD-P.M. FIX
GOLD-P.M. FIX (EUR)	GOLD-P.M. FIX (EUR)
GOLD-P.M. FIX (GBP)	GOLD-P.M. FIX (GBP)
GOLD-COMEX	GOLD-COMEX
GOLD-COMEX-SAFEX	GOLD-COMEX-SAFEX
GOLD-TOCOM	GOLD-TOCOM
IRIDIUM-JOHNSON MATTHEY	IRIDIUM-JOHNSON MATTHEY
IRIDIUM-HERAEUS	IRIDIUM-HERAEUS
IRIDIUM-COMDAQ	IRIDIUM-COMDAQ
IRIDIUM-COMDAQ (EUR)	IRIDIUM-COMDAQ (EUR)
IRIDIUM-COMDAQ (GBP)	IRIDIUM-COMDAQ (GBP)
IRIDIUM-COMDAQ (JPY)	IRIDIUM-COMDAQ (JPY)
IRON ORE-MB 63.5% METAL BULLETIN	IRON ORE-MB 63.5% METAL B
IRON ORE- IODBZ00 IODEX 62% FeCFR CHINA	IRON ORE- IODBZ00 IODEX 6
IRON ORE-FINES 63.5/63 PERCENT FE-QINGDAO-THE STEEL INDEX-	IRON ORE-FINES 63.5/63 PE
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
LEAD-LME CASH	LEAD-LME CASH
LEAD-LME 3 MONTH	LEAD-LME 3 MONTH
LEAD-LME 15 MONTH	LEAD-LME 15 MONTH

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
MOLYBDENUM - PLATTS METALS WEEK::	MOLYBDENUM - PLATTS METAL
MOLYBDENUM - LME - CASH	MOLYBDENUM - LME - CASH
MOLYBDENUM - LME - 3 MONTH	MOLYBDENUM - LME - 3 MONT
MOLYBDENUM-LME 3 month	MOLYBDENUM-LME 3 month
MOLYBDENUM-LME 15 month	MOLYBDENUM-LME 15 month
NICKEL-LME CASH	NICKEL-LME CASH
NICKEL-LME 3 MONTH	NICKEL-LME 3 MONTH
NICKEL-LME 15 MONTH	NICKEL-LME 15 MONTH
NICKEL-LME 27 MONTH	NICKEL-LME 27 MONTH
PALLADIUM-A.M. FIX	PALLADIUM-A.M. FIX
PALLADIUM-A.M. FIX (EUR)	PALLADIUM-A.M. FIX (EUR)
PALLADIUM-A.M. FIX (GBP)	PALLADIUM-A.M. FIX (GBP)
PALLADIUM-P.M. FIX	PALLADIUM-P.M. FIX
PALLADIUM-P.M. FIX (EUR)	PALLADIUM-P.M. FIX (EUR)
PALLADIUM-P.M. FIX (GBP)	PALLADIUM-P.M. FIX (GBP)
PALLADIUM-NYMEX	PALLADIUM-NYMEX
PALLADIUM-TOCOM	PALLADIUM-TOCOM
PLATINUM-A.M. FIX	PLATINUM-A.M. FIX
PLATINUM-A.M. FIX (EUR)	PLATINUM-A.M. FIX (EUR)
PLATINUM-A.M. FIX (GBP)	PLATINUM-A.M. FIX (GBP)
PLATINUM-P.M. FIX	PLATINUM-P.M. FIX
PLATINUM-P.M. FIX (EUR)	PLATINUM-P.M. FIX (EUR)
PLATINUM-P.M. FIX (GBP)	PLATINUM-P.M. FIX (GBP)
PLATINUM-NYMEX	PLATINUM-NYMEX
PLATINUM-NYMEX-SAFEX	PLATINUM-NYMEX-SAFEX
PLATINUM-TOCOM	PLATINUM-TOCOM
RHODIUM-JOHNSON MATTHEY	RHODIUM-JOHNSON MATTHEY
RHODIUM-HERAEUS	RHODIUM-HERAEUS
RHODIUM-COMDAQ	RHODIUM-COMDAQ
RHODIUM-COMDAQ (EUR)	RHODIUM-COMDAQ (EUR)
RHODIUM-COMDAQ (GBP)	RHODIUM-COMDAQ (GBP)
RHODIUM-COMDAQ (JPY)	RHODIUM-COMDAQ (JPY)
RUTHENIUM-JOHNSON MATTHEY	RUTHENIUM-JOHNSON MATTHEY
RUTHENIUM-HERAEUS	RUTHENIUM-HERAEUS
RUTHENIUM-COMDAQ	RUTHENIUM-COMDAQ
RUTHENIUM-COMDAQ (EUR)	RUTHENIUM-COMDAQ (EUR)
RUTHENIUM-COMDAQ (GBP)	RUTHENIUM-COMDAQ (GBP)
RUTHENIUM-COMDAQ (JPY)	RUTHENIUM-COMDAQ (JPY)
SILVER-COMEX	SILVER-COMEX
SILVER-COMEX-SAFEX	SILVER-COMEX-SAFEX
SILVER-FIX	SILVER-FIX
SILVER-FIX (EUR)	SILVER-FIX (EUR)
SILVER-FIX (GBP)	SILVER-FIX (GBP)
SILVER-TOCOM	SILVER-TOCOM
STEEL- -HRC-USA-MIDWEST-CRU (Monthly average)	STEEL- -HRC-USA-MIDWEST-C

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
STEEL-MONTHLY-HRC-GERMANY (USD)-CRU	STEEL-MONTHLY-HRC-GERMANY
STEEL-MONTHLY-HRC-GERMANY (EUR)-CRU	STEEL-MONTHLY-HRC-GERMANY
STEEL-MONTHLY-CRC-USA-MIDWEST-CRU	STEEL-MONTHLY-CRC-USA-MID
STEEL-MONTHLY-CRC-GERMANY (USD)-CRU	STEEL-MONTHLY-CRC-GERMANY
STEEL-MONTHLY-CRC-GERMANY (EUR)-CRU	STEEL-MONTHLY-CRC-GERMANY
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-MONTHLY-BILLET-CIS EXPORT FOB BLACK SEA-CRU LONG	STEEL-MONTHLY-BILLET-CIS
STEEL-PLATTS-FOB BLACK SEA	STEEL-PLATTS-FOB BLACK SE
STEEL BILLET-LME CASH	STEEL BILLET-LME CASH
STEEL- LME- BILLETS	STEEL- LME- BILLETS
STEEL - LME 3 MONTH	STEEL - LME 3 MONTH
STEEL PLATTS COLD ROLLED USD	STEEL PLATTS COLD ROLLED
STEEL PLATTS COLD ROLLED EUR	STEEL PLATTS COLD ROLLED
STEEL PLATTS HOT ROLLED USD	STEEL PLATTS HOT ROLLED U
STEEL PLATTS HOT ROLLED EUR	STEEL PLATTS HOT ROLLED E
STEEL-PLATTS-EUROPEAN HOT ROLLED COIL (RUHR)	STEEL-PLATTS-EUROPEAN HOT
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
TIN-LME CASH	TIN-LME CASH
TIN-LME 3 MONTH	TIN-LME 3 MONTH
TIN-LME 15 MONTH	TIN-LME 15 MONTH
URANIUM U3O8 TT	URANIUM U3O8 TT
URANIUM Ux U3O8	URANIUM Ux U3O8
ZINC-LME CASH	ZINC-LME CASH
ZINC-LME 3 MONTH	ZINC-LME 3 MONTH
ZINC-LME 15 MONTH	ZINC-LME 15 MONTH
ZINC-LME 27 MONTH	ZINC-LME 27 MONTH
CONTAINERBOARD 42LB UNBLEACHED KRAFT LINERBOARD EASTERN U.S. (LIST) PPM	CONTAINERBOARD 42LB UNBLE
CONTAINERBOARD 26LB SEMICHEMICAL MEDIUM EASTERN U.S. (LIST) PPM	CONTAINERBOARD 26LB SEMIC
CONTAINERBOARD 42LB LINERBOARD UNBLEACHED KRAFT EAST (LIST) PPW	CONTAINERBOARD 42LB LINER
CONTAINERBOARD 26LB CORRUGATING MEDIUM SEMICHEMICAL EAST (LIST) PPW	CONTAINERBOARD 26LB CORRU
NEWPRINT 48.8 GSM US PAPER TRADER	NEWPRINT 48.8 GSM US PAPE
NEWSPRINT 60G PPI GERMANY	NEWSPRINT 60G PPI GERMANY
NEWSPRINT 45G PPI GERMANY	NEWSPRINT 45G PPI GERMANY
NEWPRINT 30LB EAST PPW	NEWPRINT 30LB EAST PPW
PULP NORTHERN BLEACHED SOFTWOOD KRAFT US PIX	PULP NORTHERN BLEACHED SO
PULP NORTHERN BLEACHED SOFTWOOD KRAFT EUROPE PIX	PULP NORTHERN BLEACHED SO
PULP BLEACHED HARDWOOD KRAFT US PIX	PULP BLEACHED HARDWOOD KR
PULP BLEACHED HARDWOOD KRAFT EUROPE PIX	PULP BLEACHED HARDWOOD KR
FOEX PIX Pulp US BHKP Price	FOEX PIX Pulp US BHKP Pri

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
FOEX Northern Bleached Softwood Kraft Pulp PIX Index	FOEX 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 BLEACHED HARDWOOD KRAFT PULP US RISI	PULP BLEACHED HARDWOOD KR
PULP-ICE	PULP-ICE
RISI World Pulp Monthly Northern Bleached Softwood Kraft Pulp Pulp Northern Bleached Softwood Kraft US RISI	RISI World Pulp Monthly N
RECOVERED PAPER NEWS #8 CHICAGO OBM	RECOVERED PAPER NEWS #8 C
RECOVERED PAPER NEWS #8 NEW ENGLAND OBM	RECOVERED PAPER NEWS #8 N
RECOVERED PAPER NEWS #8 BUFFALO OBM	RECOVERED PAPER NEWS #8 B
RECOVERED PAPER NEWS #8 NEW YORK OBM	RECOVERED PAPER NEWS #8 N
RECOVERED PAPER NEWS #8 SOUTHEAST OBM	RECOVERED PAPER NEWS #8 S
RECOVERED PAPER NEWS #8 SOUTHWEST OBM	RECOVERED PAPER NEWS #8 S
RECOVERED PAPER NEWS #8 LOS ANGELES OBM	RECOVERED PAPER NEWS #8 L
RECOVERED PAPER NEWS #8 SAN FRANCISCO OBM	RECOVERED PAPER NEWS #8 S
RECOVERED PAPER NEWS #8 PACIFIC NW OBM	RECOVERED PAPER NEWS #8 P
RECOVERED PAPER OCC#11 CHICAGO OBM	RECOVERED PAPER OCC#11 CH
RECOVERED PAPER OCC#11 NEW ENGLAND OBM	RECOVERED PAPER OCC#11 NE
RECOVERED PAPER OCC#11 BUFFALO OBM	RECOVERED PAPER OCC#11 BU
RECOVERED PAPER OCC#11 NEW YORK OBM	RECOVERED PAPER OCC#11 NE
RECOVERED PAPER OCC#11 SOUTHEAST OBM	RECOVERED PAPER OCC#11 SO
RECOVERED PAPER OCC#11 SOUTHWEST OBM	RECOVERED PAPER OCC#11 SO
RECOVERED PAPER OCC#11 LOS ANGELES OBM	RECOVERED PAPER OCC#11 LO
RECOVERED PAPER OCC#11 SAN FRANCISCO OBM	RECOVERED PAPER OCC#11 SA
RECOVERED PAPER OCC#11 PACIFIC NW OBM	RECOVERED PAPER OCC#11 PA
“RECOVERED PAPER SOP#37 CHICAGO OBM”	“RECOVERED PAPER SOP#37 C
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 1.11 SORTED GRAPHIC PAPER PPI GERMANY	RECOVERED PAPER 1.11 SORT
RECOVERED PAPER 2.01 NEWSPAPERS PPI GERMANY	RECOVERED PAPER 2.01 NEWS
RECOVERED PAPER 1.05 OLD CORRUGATED CONTAINERS PPI FRANCE	RECOVERED PAPER 1.05 OLD
RECOVERED PAPER DEINK NEWS (8) NEW YORK PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER DEINK NEWS (8) CHICAGO PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER DEINK NEWS (8) ATLANTA PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER DEINK NEWS (8) SAN FRANCISCO-LOS ANGELES PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER DEINK NEWS (8) DALLAS-HOUSTON PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER DEINK NEWS (8) U.S. AVERAGE PPW	RECOVERED PAPER DEINK NEW
RECOVERED PAPER OCC #11 NEW YORK PPW	RECOVERED PAPER OCC #11 N
RECOVERED PAPER OCC #11 CHICAGO PPW	RECOVERED PAPER OCC #11 C
RECOVERED PAPER OCC #11 ATLANTA PPW	RECOVERED PAPER OCC #11 A
RECOVERED PAPER OCC #11 SAN FRANCISCO-LOS ANGELES	RECOVERED PAPER OCC #11 S
RECOVERED PAPER OCC #11 DALLAS-HOUSTON PPC	RECOVERED PAPER OCC #11 D
RECOVERED PAPER OCC #11 U.S. AVERAGE PPC	RECOVERED PAPER OCC #11 U
BLEACHED KRAFT FLUFF EUROPE RISI	BLEACHED KRAFT FLUFF EURO

Reference Rate	ISO Underlying Instrument Index (Alphanumeric 25 characters)
PULP BLEACHED KRAFT FLUFF (UNTREATED) EUROPE RISI	PULP BLEACHED KRAFT FLUFF
PLASTIC-LME-PP	PLASTIC-LME-PP
PLASTIC-LME-LL	PLASTIC-LME-LL
HPDE HWM FILM-N.A.-CMAI	HPDE HWM FILM-N.A.-CMAI
ICIS FD EU Contract Price Polyethylene	ICIS FD EU Contract Price
ICIS FD EU Domestic Prices Polypropylene	ICIS FD EU Domestic Price
Low Density Polyethylene General Purpose - Platts Polymerscan,	Low Density Polyethylene
Polypropylene Homopolymer Injection - Platts Polymerscan,	Polypropylene Homopolymer
Polypropylene, North America, Domestic Market (Contract) GP - Homopolymer, Delivered	Polypropylene, North Amer
Polyethylene Terephthalate - ICIS	Polyethylene Terephthalat
GSCI TR@	GSCI TR@
OTHER	OTHER