



Derivatives Service Bureau
DSB Product Definitions
Annex 7 – Standard Market Indices
August 2023

Preface

Change History

| Date | Change | Version | Author | Revision Details |
|------------|----------|---------|-------------------|--|
| 15/11/2017 | Creation | 0.1 | Tony Birrell | Initial Version |
| 28/11/2017 | Change | 0.2 | Tony Birrell | Added Equity ISINs |
| 12/04/2018 | Change | 0.3 | Nathan Dagg | Updated SONIA – Rates |
| 18/04/2018 | Change | 0.4 | Nathan Dagg | Inclusion of Underlying Instrument Index for Rates – CapFloor Removal of Commodities Indices |
| 10/05/2018 | Change | 0.5 | Nathan Dagg | Update USD-SOFR-COMPOUND Rates / Rates CapFloor |
| 20/07/2018 | Change | 0.6 | Nathan Dagg | Added CLP-TNA to Rates / Rates CapFloor |
| 17/6/2019 | Change | 0.7 | Simon Wiltshire | Added UK Base Rate |
| 4/9/2019 | Change | 0.8 | Simon Wiltshire | Added EUR-EuroSTR-COMPOUND |
| 4/2/2020 | Change | 0.9 | Simon Wiltshire | Added SGD-SORA-COMPOUND |
| 28/04/2020 | Change | 0.10 | Nathan Dagg | Added USD Swap Rate-BCMP1 and USD Treasury Rate-BCMP1 |
| 07/05/2020 | Change | 1.0 | Nathan Dagg | Added Rates: TRY-TLREF-OIS-COMPOUND Added Credit: CDX.NA.IG.BBB CDX.NA.HY.Ex-BB iTraxx MSCI ESG Screened Europe Index |
| 22/07/2020 | Change | 1.1 | Adam Grace | Added & Updated Rates THB-THOR-COMPUND ESTR SOFR SONA |
| | Removed | 1.2 | | Change Backdown |
| 18/01/2021 | Change | 1.3 | Natalia Kozlovich | Updated mapping for GBP-WMBA-RONIA-COMPOUND. Removed section 2.3 Rates – CapFloor |
| 24/02/2021 | Change | 1.4 | Adam Grace | Added Rate: GBP – SONIA Swap Rate Added Index: Itraxx Asia ex-Japan IG (Restricted) |
| 27/08/2021 | Change | 1.5 | Marlowe Surop | Added 144 new Reference Rates based on contents of the “Coding-Scheme Catalog-2-0-working-draft” from ISDA made available on 16 th August 2021. |
| 08/10/2021 | Change | 1.6 | Marlowe Surop | Added Rates: INR-Modified MIFOR JPY-TORF QUICK USD-SOFR CME Term |
| 16/11/2021 | Change | 1.7 | Marlowe Surop | Added Rates: JPY-TONA TSR-10:00 JPY-TONA TSR-15:00 USD-CRITR USD-SOFR ICE Swap Rate |
| 27/01/2022 | Change | 1.8 | Marlowe Surop | Added Rates: |

| | | | | |
|------------|--------|-----|---------------|---|
| | | | | <p>EUR-EuroSTR ICE Compounded Index (6) GBP-SONIA ICE Compounded Index (6) JPY-TONA ICE Compounded Index (6) SEK-SWESTR (8) USD-SOFR ICE Compounded Index (6)</p> |
| 21/06/2022 | Change | 1.9 | Adam Grace | <p>Added 7 new Reference Rates: DKK-DESTR DKK-DESTR-OIS Compound DKK-DESTR Compounded Index TRY-TLREF USD-AXI Term USD-FXI Term USD-SOFR ICE Term</p> |
| 12/01/2023 | Change | 2.0 | Marlowe Surop | <p>Added 18 new Reference Rates:</p> <ul style="list-style-type: none"> • CHF-SARON Average 1W • CHF-SARON Average 1M • CHF-SARON Average 2M • CHF-SARON Average 3M • CHF-SARON Average 6M • CHF-SARON Average 9M • CHF-SARON Average 12M • CHF-SARON Compounded Index • EUR-EuroSTR Term • HUF-HUFONIA-OIS Compound • ILS-SHIR • ILS-SHIR-OIS Compound • KRW-KOFR • KRW-KOFR-OIS Compound • MYR-MYOR • MYR-MYOR-OIS Compound • PLN-WIRON • PLN-WIRON-OIS Compound <p>Added as exception values:</p> <ul style="list-style-type: none"> • Reference Rate: OTHER • Inflation Rate: OTHER-INFLATION <p>Update ISO Reference Rate values:</p> <ul style="list-style-type: none"> • DKK-DESTR • DKK-DESTR-OIS Compound • DKK-DESTR Compounded Index • TRY-TLREF • USD-FXI Term • USD-AXI Term |
| 19/01/2023 | Change | 2.1 | Marlowe Surop | <p>Update ISO Reference Rate/Underlying Instrument Index value:</p> <ul style="list-style-type: none"> • DKK-DESTR Compounded Index • OSLO BORS OBX OIL SERVICE INDEX <p>Remove Underlying Instrument Index:</p> <ul style="list-style-type: none"> • iBoxx USD Liquid IG |
| 23/02/2023 | Change | 2.2 | Marlowe Surop | <ul style="list-style-type: none"> • Added new Inflation Rate: UK-CPIH |

| | | | | |
|------------|--------|-----|------------------------|---|
| | | | | <ul style="list-style-type: none"> Delisted N225 and its ISIN mapping XC0009692440 from the Standard Market Indices enumerated lists |
| 07/08/2023 | Change | 2.3 | Mary Angeline Gariplan | Added 83 new Commodities Reference Price |

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1 Standard Market Indices

| Asset Class | RTS 23 Field | Owner | Source |
|-------------|---|--------|---|
| Rates | Reference Rate ¹ /Underlying Instrument Index (CapFloor) | FpML | https://www.fpml.org/coding-scheme/floating-rate-index-3-5.xml (FpML Scheme Definition: floatingRateIndexScheme) |
| Rates - CPI | Reference Rate ¹ | FpML | http://www.fpml.org/coding-scheme/inflation-index-description-2-3.xml (FpML Scheme Definition: inflationIndexDescriptionScheme) |
| 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/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| AED-EBOR-Reuters | EBOR-Reuters |
| AED-EIBOR | EIBOR |
| AUD-AONIA | AONIA |
| AUD-AONIA-OIS Compound | AONIA-OIS Compound |
| 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-BBSW | BBSW |
| AUD-BBSW Quarterly Swap Rate ICAP | SWAP |
| AUD-BBSW Semi Annual Swap Rate ICAP | SWAP |
| AUD-BBSY Bid | BBSY Bid |
| 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-CDOR | CDOR |
| CAD-CORRA | CORA |
| CAD-CORRA-OIS Compound | CORA |
| CAD-CORRA-OIS-COMPOUND | CORRA-OIS-COMPOUND |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| 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 | LIBO |
| 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 | SARON |
| CHF-SARON Average 1W | SARON Average 1W |
| CHF-SARON Average 1M | SARON Average 1M |
| CHF-SARON Average 2M | SARON Average 2M |
| CHF-SARON Average 3M | SARON Average 3M |
| CHF-SARON Average 6M | SARON Average 6M |
| CHF-SARON Average 9M | SARON Average 9M |
| CHF-SARON Average 12M | SARON Average 12M |
| CHF-SARON Compounded Index | SARON Compounded Index |
| CHF-SARON-OIS Compound | SARON-OIS Compound |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| CHF-SARON-OIS-COMPOUND | SARON-OIS-COMPOUND |
| CHF-TOIS-OIS-COMPOUND | TOIS-OIS-COMPOUND |
| CL-CLICP-Bloomberg | CL-CLICP-Bloomberg |
| CLP-ICP | ICP |
| CLP-TNA | TNA |
| CNH-HIBOR | HKIO |
| 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-Deposit Rate | Deposit Rate |
| CNY-Fixing Repo Rate | Fixing Repo Rate |
| CNY-LPR | LPR |
| 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-Quarterly 7D Repo NDS Rate Tradition | Quarterly 7D Repo NDS Rat |
| CNY-Semi-Annual Swap Rate-11:00-BGCANTOR | SWAP |
| CNY-Semi-Annual Swap Rate-Reference Banks | SWAP |
| CNY-SHIBOR | HKIO |
| CNY-SHIBOR-OIS Compound | HKIO |
| CNY-Shibor-OIS-Compounding | Shibor-OIS-Compounding |
| CNY-SHIBOR-Reuters | SHIBOR-Reuters |
| COP-IBR-OIS Compound | IBR-OIS Compound |
| COP-IBR-OIS-COMPOUND | IBR-OIS-COMPOUND |
| CZK-Annual Swap Rate-11:00-BGCANTOR | SWAP |
| CZK-Annual Swap Rate-Reference Banks | SWAP |
| CZK-CZEONIA | EONA |
| CZK-CZEONIA-OIS Compound | EONA |
| CZK-PRIBOR | PRBO |
| CZK-PRIBOR-PRBO | PRBO |
| CZK-PRIBOR-Reference Banks | PRBO |
| DKK-CIBOR | CIBO |
| DKK-CIBOR2 | CIBO |
| DKK-CIBOR2-Bloomberg | CIBO |
| DKK-CIBOR2-DKNA13 | CIBO |
| DKK-CIBOR-DKNA13 | CIBO |
| DKK-CIBOR-DKNA13-Bloomberg | CIBO |
| DKK-CIBOR-Reference Banks | CIBO |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| DKK-CITA | CITA |
| DKK-CITA-DKNA14-COMPOUND | CITA-DKNA14-COMPOUND |
| DKK-DESTR | DESTR |
| DKK-DESTR-OIS Compound | DESTR-OIS Compound |
| DKK-DESTR Compounded Index | DESTR Compounded Index |
| DKK-DKKOIS-OIS-COMPOUND | DKKOIS-OIS-COMPOUND |
| DKK-Tom Next-OIS Compound | Tom Next-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 |
| 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-CNO TEC10 | CNO TEC10 |
| EUR-EONIA | EONA |
| EUR-EONIA-AVERAGE | EONA |
| EUR-EONIA-Average | EONA |
| EUR-EONIA-OIS Compound | EONA |
| EUR-EONIA-OIS-10:00-BGCANTOR | EONA |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| 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 | EURI |
| EUR-EURIBOR ICE Swap Rate-11:00 | SWAP |
| EUR-EURIBOR ICE Swap Rate-12:00 | SWAP |
| 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-EURONIA-OIS-COMPOUND | EURI |
| EUR-EuroSTR | ESTR |
| EUR-EuroSTR Average 12M | ESTR |
| EUR-EuroSTR Average 1M | ESTR |
| EUR-EuroSTR Average 1W | ESTR |
| EUR-EuroSTR Average 3M | ESTR |
| EUR-EuroSTR Average 6M | ESTR |
| EUR-EuroSTR Compounded Index | ESTR |
| EUR-EuroSTR-COMPOUND | ESTR |
| EUR-EuroSTR ICE Compounded Index | ESTR |
| EUR-EuroSTR ICE Compounded Index 0 Floor | ESTR |
| EUR-EuroSTR ICE Compounded Index 0 Floor 2D Lag | ESTR |
| EUR-EuroSTR ICE Compounded Index 0 Floor 5D Lag | ESTR |
| EUR-EuroSTR ICE Compounded Index 2D Lag | ESTR |
| EUR-EuroSTR ICE Compounded Index 5D Lag | ESTR |
| EUR-EuroSTR-OIS Compound | ESTR |
| EUR-EuroSTR Term | ESTR |
| 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 | LIBO |
| EUR-LIBOR-BBA | LIBO |
| EUR-LIBOR-BBA-Bloomberg | LIBO |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| 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 | LIBO |
| GBP-LIBOR ICE Swap Rate | SWAP |
| GBP-LIBOR-BBA | LIBO |
| GBP-LIBOR-BBA-Bloomberg | LIBO |
| GBP-LIBOR-ISDA | LIBO |
| GBP-LIBOR-Reference Banks | LIBO |
| GBP-RONIA | RONIA |
| GBP-RONIA-OIS Compound | RONIA-OIS Compound |
| 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 | SONA |
| GBP-SONIA Compounded Index | SONA |
| GBP-SONIA ICE Compounded Index | SONA |
| GBP-SONIA ICE Compounded Index 0 Floor | SONA |
| GBP-SONIA ICE Compounded Index 0 Floor 2D Lag | SONA |
| GBP-SONIA ICE Compounded Index 0 Floor 5D Lag | SONA |
| GBP-SONIA ICE Compounded Index 2D Lag | SONA |
| GBP-SONIA ICE Compounded Index 5D Lag | SONA |
| GBP-SONIA ICE Swap Rate | SWAP |
| GBP-SONIA ICE Term | SONA |
| GBP-SONIA Refinitiv Term | SONA |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| GBP-SONIA Swap Rate | SWAP |
| GBP-SONIA-COMPOUND | SONA |
| GBP-SONIA-OIS Compound | SONIA-OIS Compound |
| GBP-SONIA-OIS-11:00-ICAP | SONA |
| GBP-SONIA-OIS-11:00-TRADITION | SONA |
| GBP-SONIA-OIS-4:15-TRADITION | SONA |
| GBP-UK Base Rate | UK Base Rate |
| GBP-WMBA-RONIA-COMPOUND | WMBA-RONIA-COMPOUND |
| GBP-WMBA-SONIA-COMPOUND | SONA |
| 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 | HKIO |
| HKD-HIBOR-HIBOR= | HIBOR-HIBOR |
| HKD-HIBOR-HIBOR-Bloomberg | HIBOR-HIBOR-Bloomberg |
| 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-HONIA | HONIA |
| HKD-HONIA-OIS Compound | HONIA-OIS Compound |
| 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 | BUBO |
| HUF-BUBOR-Reference Banks | BUBO |
| HUF-BUBOR-Reuters | BUBO |
| HUF-HUFONIA | HUFONIA |
| HUF-HUFONIA-OIS Compound | HUFONIA-OIS Compound |
| IDR-IDMA-Bloomberg | IDMA-Bloomberg |
| IDR-IDRFIX | IDRFIX |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| IDR-JIBOR | JIBOR |
| IDR-JIBOR-Reuters | JIBOR-Reuters |
| IDR-SBI-Reuters | SBI-Reuters |
| IDR-Semi Annual Swap Rate-Non-deliverable-16:00-Tullett Prebon | SWAP |
| 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-SHIR | SHIR |
| ILS-SHIR-OIS Compound | SHIR-OIS Compound |
| ILS-TELBOR | TLBO |
| ILS-TELBOR01-Reuters | TLBO |
| ILS-TELBOR-Reference Banks | TLBO |
| INR-BMK | BMK |
| INR-CMT | CMT |
| INR-FBIL-MIBOR-OIS-COMPOUND | FBIL-MIBOR-OIS-COMPOUND |
| INR-INBMK-REUTERS | INBMK-REUTERS |
| INR-MIBOR OIS | MIBOR OIS |
| INR-MIBOR-OIS Compound | MIBOR-OIS Compound |
| INR-MIBOR-OIS-COMPOUND | MIBOR-OIS-COMPOUND |
| INR-MIFOR | MIFOR |
| INR-MIOIS | MIOIS |
| INR-MITOR-OIS-COMPOUND | MITOR-OIS-COMPOUND |
| INR-Modified MIFOR | Modified MIFOR |
| 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 | REIBOR |
| 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 |
| 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-Euroyen TIBOR | TIBO |
| JPY-ISDA-Swap Rate-10:00 | SWAP |
| JPY-ISDA-Swap Rate-15:00 | SWAP |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| JPY-LIBOR | LIBO |
| JPY-LIBOR TSR-10:00 | LIBO |
| JPY-LIBOR TSR-15:00 | LIBO |
| JPY-LIBOR-BBA | LIBO |
| JPY-LIBOR-BBA-Bloomberg | LIBO |
| JPY-LIBOR-FRASET | LIBO |
| JPY-LIBOR-ISDA | LIBO |
| JPY-LIBOR-Reference Banks | LIBO |
| JPY-LTPR MHBK | LTPR MHBK |
| 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 | TIBO |
| 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 | TONA |
| JPY-TONA Average 180D | TONA Average 180D |
| JPY-TONA Average 30D | TONA Average 30D |
| JPY-TONA Average 90D | TONA Average 90D |
| JPY-TONA Compounded Index | TONA Compounded Index |
| JPY-TONA ICE Compounded Index | TONA ICE Compounded Index |
| JPY-TONA ICE Compounded Index 0 Floor | TONA ICE Compounded Index |
| JPY-TONA ICE Compounded Index 0 Floor 2D Lag | TONA ICE Compounded Index |
| JPY-TONA ICE Compounded Index 0 Floor 5D Lag | TONA ICE Compounded Index |
| JPY-TONA ICE Compounded Index 2D Lag | TONA ICE Compounded Index |
| JPY-TONA ICE Compounded Index 5D Lag | TONA ICE Compounded Index |
| JPY-TONA-OIS Compound | TONA-OIS Compound |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| JPY-TONA-OIS-COMPOUND | TONA-OIS-COMPOUND |
| JPY-TONA TSR-10:00 | TONA TSR-10:00 |
| JPY-TONA TSR-15:00 | TONA TSR-15:00 |
| JPY-TORF QUICK | TORF QUICK |
| 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 91D | CD 91D |
| KRW-CD-3220 | CD-3220 |
| KRW-CD-KSDA-Bloomberg | CD-KSDA-Bloomberg |
| KRW-KOFR | KOFR |
| KRW-KOFR-OIS Compound | KOFR-OIS Compound |
| KRW-Quarterly Annual Swap Rate-3:30-ICAP | SWAP |
| MXN-TIIE | TIIE |
| MXN-TIIE-Banxico | TIIE-Banxico |
| MXN-TIIE-Banxico-Bloomberg | TIIE-Banxico-Bloomberg |
| MXN-TIIE-Banxico-Reference Banks | TIIE-Banxico-Reference Ba |
| MXN-TIIE-Reference Banks | TIIE-Reference Banks |
| MYR-KLIBOR | LIBO |
| MYR-KLIBOR-BNM | KLIBOR-BNM |
| MYR-KLIBOR-Reference Banks | KLIBOR-Reference Banks |
| MYR-MYOR | MYOR |
| MYR-MYOR-OIS Compound | MYOR-OIS Compound |
| MYR-Quarterly Swap Rate-11:00-TRADITION | SWAP |
| MYR-Quarterly Swap Rate-TRADITION-Reference Banks | SWAP |
| NOK-NIBOR | NIBO |
| NOK-NIBOR-NIBR | NIBO |
| NOK-NIBOR-NIBR-Bloomberg | NIBO |
| NOK-NIBOR-NIBR-Reference Banks | NIBO |
| NOK-NIBOR-OIBOR | NIBO |
| NOK-NIBOR-Reference Banks | NIBO |
| NOK-NOWA | NOWA |
| NOK-NOWA-OIS Compound | NOWA-OIS Compound |
| NZD-BBR-BID | BBR-BID |
| NZD-BBR-FRA | BBR-FRA |
| NZD-BBR-ISDC | BBR-ISDC |
| NZD-BBR-Reference Banks | BBR-Reference Banks |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| NZD-BBR-Telerate | BBR-Telerate |
| NZD-BKBM Bid | BKBM Bid |
| NZD-BKBM FRA | BKBM FRA |
| NZD-BKBM FRA Swap Rate ICAP | SWAP |
| NZD-NZIONA | NZIONA |
| NZD-NZIONA-OIS Compound | NZIONA-OIS Compound |
| 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 |
| OTHER | OTHER |
| PHP-PHIREF | PHIREF |
| 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 | POLONIA |
| PLN-POLONIA-OIS Compound | POLONIA-OIS Compound |
| PLN-POLONIA-OIS-COMPOUND | POLONIA-OIS-COMPOUND |
| PLN-WIBID | WIBID |
| PLN-WIBOR | WIBO |
| PLN-WIBOR-Reference Banks | WIBO |
| PLN-WIBOR-WIBO | WIBO |
| PLN-WIRON | WIRON |
| PLN-WIRON-OIS Compound | WIRON-OIS Compound |
| 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 |
| RON-ROBID | ROBID |
| RON-ROBOR | ROBOR |
| RUB-Annual Swap Rate-11:00-BGCANTOR | SWAP |
| RUB-Annual Swap Rate-12:45-TRADITION | SWAP |
| RUB-Annual Swap Rate-4:15-TRADITION | SWAP |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| RUB-Annual Swap Rate-Reference Banks | SWAP |
| RUB-Annual Swap Rate-TRADITION-Reference Banks | SWAP |
| RUB-Key Rate CBRF | Key Rate CBRF |
| RUB-MosPrime | MosPrime |
| RUB-MOSPRIME-NFEA | MOSP |
| RUB-MOSPRIME-Reference Banks | MOSP |
| RUB-RUONIA | RUONIA |
| RUB-RUONIA-OIS Compound | RUONIA-OIS Compound |
| RUB-RUONIA-OIS-COMPOUND | RUONIA-OIS-COMPOUND |
| SAR-SAIBOR | SAIBOR |
| 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 | STBO |
| SEK-STIBOR-Bloomberg | STBO |
| SEK-STIBOR-OIS Compound | STBO |
| SEK-STIBOR-Reference Banks | STBO |
| SEK-STIBOR-SIDE | STBO |
| SEK-SWESTR | SWESTR |
| SEK-SWESTR Average 1W | SWESTR Average 1W |
| SEK-SWESTR Average 1M | SWESTR Average 1M |
| SEK-SWESTR Average 2M | SWESTR Average 2M |
| SEK-SWESTR Average 3M | SWESTR Average 3M |
| SEK-SWESTR Average 6M | SWESTR Average 6M |
| SEK-SWESTR Compounded Index | SWESTR Compounded Index |
| SEK-SWESTR-OIS Compound | SWESTR-OIS Compound |
| 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 | SIBOR |
| SGD-SIBOR-Reference Banks | SIBOR-Reference Banks |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| 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 |
| SGD-SOR | SOR |
| SGD-SORA | SORA |
| SGD-SORA-COMPOUND | SORA-COMPOUND |
| SGD-SORA-OIS Compound | SORA-OIS 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-THBFX | THBFX |
| THB-THBFX-Reference Banks | THBFX-Reference Banks |
| THB-THBFX-Reuters | THBFX-Reuters |
| THB-THOR | THOR |
| THB-THOR-COMPOUND | THOR-COMPOUND |
| THB-THOR-OIS Compound | THOR-OIS Compound |
| 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-TLREF | TLREF |
| TRY-TLREF-OIS Compound | TLREF-OIS Compound |
| TRY-TLREF-OIS-COMPOUND | TLREF-OIS-COMPOUND |
| TRY-TRLIBOR | LIBO |
| 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 |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| TWD-Reference Dealers | Reference Dealers |
| TWD-Reuters-6165 | Reuters-6165 |
| TWD-TAIBIR01 | TAIBIR01 |
| TWD-TAIBIR02 | TAIBIR02 |
| TWD-TAIBOR | TAIBOR |
| TWD-TAIBOR-Bloomberg | TAIBOR-Bloomberg |
| TWD-TAIBOR-Reuters | TAIBOR-Reuters |
| TWD-Telerate-6165 | Telerate-6165 |
| TWD-TWCPBA | TWCPBA |
| UK Base Rate | UK Base Rate |
| USD Swap Rate-BCMP1 | SWAP |
| USD Treasury Rate-BCMP1 | TREA |
| 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-AMERIBOR | AMERIBOR |
| USD-AMERIBOR Average 30D | AMERIBOR Average 30D |
| USD-AMERIBOR Average 90D | AMERIBOR Average 90D |
| USD-AMERIBOR Term | AMERIBOR Term |
| USD-AMERIBOR Term Structure | AMERIBOR Term Structure |
| 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-AXI Term | AXI Term |
| USD-FXI Term | FXI Term |
| USD-BA-H.15 | BA-H.15 |
| USD-BA-Reference Dealers | BA-Reference Dealers |
| USD-BMA Municipal Swap Index | MAAA |
| USD-BSBY | BSBY |
| 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 | CMT |
| USD-CMT Average 1W | CMT Average 1W |
| USD-CMT-T7051 | CMT-T7051 |
| USD-CMT-T7052 | CMT-T7052 |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| USD-COF11-FHLBSF | COF11-FHLBSF |
| USD-COF11-Reuters | COF11-Reuters |
| USD-COF11-Telerate | COF11-Telerate |
| USD-COFI | COFI |
| USD-CP-H.15 | CP-H.15 |
| USD-CP-Money Market Yield | CP-Money Market Yield |
| USD-CP-Reference Dealers | CP-Reference Dealers |
| USD-CRITR | CRITR |
| USD-Federal Funds | Federal Funds |
| 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-OIS Compound | Federal Funds-OIS Compoun |
| USD-Federal Funds-Reference Dealers | Federal Funds-Reference D |
| USD-FFCB-DISCO | FFCB-DISCO |
| USD-ISDAFIX3-Swap Rate | SWAP |
| USD-ISDAFIX3-Swap Rate-3:00 | SWAP |
| USD-ISDA-Swap Rate | SWAP |
| USD-ISDA-Swap Rate-3:00 | SWAP |
| USD-LIBOR | LIBO |
| USD-LIBOR ICE Swap Rate-11:00 | SWAP |
| USD-LIBOR ICE Swap Rate-15:00 | 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 Index | MAAA |
| 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 | Prime |
| USD-Prime-H.15 | Prime-H.15 |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|--|--|
| USD-Prime-Reference Banks | Prime-Reference Banks |
| USD-S&P Index-High Grade | S&P Index-High Grade |
| USD-SandP Index High Grade | SandP Index High Grade |
| USD-SIBOR-Reference Banks | SIBOR-Reference Banks |
| USD-SIBOR-SIBO | SIBOR-SIBO |
| USD-SIFMA Municipal Swap Index | MAAA |
| USD-SOFR | SOFR |
| USD-SOFR Average 180D | SOFR |
| USD-SOFR Average 30D | SOFR |
| USD-SOFR Average 90D | SOFR |
| USD-SOFR CME Term | SOFR |
| USD-SOFR Compounded Index | SOFR Compounded Index |
| USD-SOFR-COMPOUND | SOFR |
| USD-SOFR ICE Compounded Index | SOFR |
| USD-SOFR ICE Compounded Index 0 Floor | SOFR |
| USD-SOFR ICE Compounded Index 0 Floor 2D Lag | SOFR |
| USD-SOFR ICE Compounded Index 0 Floor 5D Lag | SOFR |
| USD-SOFR ICE Compounded Index 2D Lag | SOFR |
| USD-SOFR ICE Compounded Index 5D Lag | SOFR |
| USD-SOFR ICE Swap Rate | SWAP |
| USD-SOFR ICE Term | SOFR |
| USD-SOFR-OIS Compound | SOFR-OIS Compound |
| USD-TBILL Secondary Market-Bond Equivalent Yield | TBILL Secondary Market-Bo |
| 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 | JIBA |
| ZAR-JIBAR-Reference Banks | JIBA |

| Reference Rate/Underlying Instrument Index | ISO Reference Rate/ Underlying Instrument Index (Alphanumeric 25 characters) |
|---|--|
| ZAR-JIBAR-SAFEX | JIBA |
| ZAR-Prime Average | Prime Average |
| 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 |

| Reference Rate | ISO Reference Rate (Alphanumeric 25 characters) |
|-----------------|--|
| LUX-HICP | LUX-HICP |
| MXN-CPI | CPI |
| MXN-UDI | UDI |
| MYR-CPI | CPI |
| NLG-CPI | NLG-CPI |
| NLG-HICP | NLG-HICP |
| NOK-CPI | CPI |
| NZD-CPI | CPI |
| OTHER-INFLATION | OTHER-INFLATION |
| 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-CPIH | UK-CPIH |
| 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 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.Ex-BB | CDX.NA.HY.Ex-BB |
| CDX.NA.HY.HB | CDX.NA.HY.HB |
| CDX.NA.IG | CDX.NA.IG |
| CDX.NA.IG.BBB | CDX.NA.IG.BBB |
| 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 |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) |
|--|---|
| 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 |
| 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 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 Asia ex-Japan IG (Restricted) | 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 MSCI ESG Screened Europe Index | iTraxx MSCI ESG Screened |
| 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 |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) |
|-----------------------------|---|
| 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 |
| 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- |

2.4 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 |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) | ISIN |
|--|---|--------------|
| 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 |
| 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 | ES0S10000005 |
| 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 | |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) | ISIN |
|---|---|------|
| 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 | |
| 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 | |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) | ISIN |
|--|---|--------------|
| 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 | |
| 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 | |
| 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 BORS 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 | |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) | ISIN |
|-----------------------------|---|--------------|
| 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 |
| 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 | |

| Underlying Instrument Index | ISO Underlying Instrument Index (Alphanumeric 25 characters) | ISIN |
|--|---|--------------|
| 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 |

2.5 Commodities Standard Market Indices

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

2.6 Commodities Reference Rate

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| A Fuel oil 0.1%S -waterborne spot Tokyo bay rim intelligence products | A Fuel oil 0.1%S -waterbo |
| A Fuel oil 1.0%S -waterborne spot Tokyo bay rim intelligence products | A Fuel oil 1.0%S -waterbo |
| AGRI-AZUKI BEANS-OSE | AGRI-AZUKI BEANS-OSE |
| AGRI-BARLEY-FEED-ASX | AGRI-BARLEY-FEED-ASX |
| AGRI-BUTTER-CASH SETTLED-CME | AGRI-BUTTER-CASH SETTLED- |
| AGRI-BUTTER-DAILY CASH TRADING-USDA | AGRI-BUTTER-DAILY CASH TR |
| AGRI-BUTTER-USDA | AGRI-BUTTER-USDA |
| AGRI-CANOLA-ICE | AGRI-CANOLA-ICE |
| AGRI-CATTLE-FEEDER-CME | AGRI-CATTLE-FEEDER-CME |
| AGRI-CATTLE-LIVE-CME | AGRI-CATTLE-LIVE-CME |
| AGRI-CHEESE-BARRELS-DAILY CASH TRADING-USDA | AGRI-CHEESE-BARRELS-DAILY |
| AGRI-CHEESE-BLOCKS-DAILY CASH TRADING-USDA | AGRI-CHEESE-BLOCKS-DAILY |
| AGRI-CHEESE-PRODUCT PRICE AVERAGES-USDA | AGRI-CHEESE-PRODUCT PRICE |
| AGRI-COCOA-ICE | AGRI-COCOA-ICE |
| AGRI-COCOA-LONDON-ICE | AGRI-COCOA-LONDON-ICE |
| AGRI-COFFEE-ARABICA-BMandF | AGRI-COFFEE-ARABICA-BMand |
| AGRI-COFFEE-ARABICA-ICE | AGRI-COFFEE-ARABICA-ICE |
| AGRI-COFFEE-ROBUSTA-ICE | AGRI-COFFEE-ROBUSTA-ICE |
| AGRI-CORN-CBOT | AGRI-CORN-CBOT |
| AGRI-CORN-CBOT-JSE | AGRI-CORN-CBOT-JSE |
| AGRI-CORN-EURONEXT MATIF | AGRI-CORN-EURONEXT MATIF |
| AGRI-COTTON-NO. 2-ICE | AGRI-COTTON-NO. 2-ICE |
| AGRI-DAP-CENTRAL FLORIDA-FERTILIZER INDEX | AGRI-DAP-CENTRAL FLORIDA- |
| AGRI-DAP-FOB-NOLA BARGE-FERTILIZER INDEX | AGRI-DAP-FOB-NOLA BARGE-F |
| AGRI-DAP-FOB-TAMPA-FERTILIZER INDEX | AGRI-DAP-FOB-TAMPA-FERTIL |
| AGRI-DAP-METRIC TONNE-FOB-TAMPA-FERTILIZER INDEX | AGRI-DAP-METRIC TONNE-FOB |
| AGRI-HOGS-LEAN-CME | AGRI-HOGS-LEAN-CME |
| AGRI-LUMBER-RANDOM LENGTH-CME | AGRI-LUMBER-RANDOM LENGTH |
| AGRI-MAP-CFR-BRAZIL-DAILY-ARGUS | AGRI-MAP-CFR-BRAZIL-DAILY |
| AGRI-MAP-CFR-BRAZIL-WEEKLY-ARGUS | AGRI-MAP-CFR-BRAZIL-WEEKL |
| AGRI-MILK-CLASS III-CME | AGRI-MILK-CLASS III-CME |
| AGRI-MILK-CLASS IV-CME | AGRI-MILK-CLASS IV-CME |
| AGRI-MILK-NONFAT-DRY-CME | AGRI-MILK-NONFAT-DRY-CME |
| AGRI-MILK-NONFAT-DRY-USDA | AGRI-MILK-NONFAT-DRY-USDA |
| AGRI-MILK-WMP-SGX | AGRI-MILK-WMP-SGX |
| AGRI-OATS-CBOT | AGRI-OATS-CBOT |
| AGRI-ORANGE JUICE-FROZEN CONCENTRATED-ICE | AGRI-ORANGE JUICE-FROZEN |
| AGRI-PALM OIL-CRUDE-FCPO-BMD | AGRI-PALM OIL-CRUDE-FCPO- |
| AGRI-PORK-CUTOOUT-CME | AGRI-PORK-CUTOOUT-CME |
| AGRI-RAPESEED-EURONEXT MATIF | AGRI-RAPESEED-EURONEXT MA |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| AGRI-RICE-ROUGH-CBOT | AGRI-RICE-ROUGH-CBOT |
| AGRI-RUBBER-RSS3-OSE | AGRI-RUBBER-RSS3-OSE |
| AGRI-RUBBER-RSS3-SGX | AGRI-RUBBER-RSS3-SGX |
| AGRI-RUBBER-TSR20-OSE | AGRI-RUBBER-TSR20-OSE |
| AGRI-RUBBER-TSR20-SGX | AGRI-RUBBER-TSR20-SGX |
| AGRI-SOYBEAN-MEAL-CBOT | AGRI-SOYBEAN-MEAL-CBOT |
| AGRI-SOYBEAN-MEAL-CBOT-JSE | AGRI-SOYBEAN-MEAL-CBOT-JS |
| AGRI-SOYBEAN-OIL-CBOT | AGRI-SOYBEAN-OIL-CBOT |
| AGRI-SOYBEAN-OIL-CBOT-JSE | AGRI-SOYBEAN-OIL-CBOT-JSE |
| AGRI-SOYBEANS-CBOT | AGRI-SOYBEANS-CBOT |
| AGRI-SOYBEANS-CBOT-JSE | AGRI-SOYBEANS-CBOT-JSE |
| AGRI-SOYBEANS-JSE | AGRI-SOYBEANS-JSE |
| AGRI-SUGAR-NO. 11-ICE | AGRI-SUGAR-NO. 11-ICE |
| AGRI-SUGAR-NO. 16-ICE | AGRI-SUGAR-NO. 16-ICE |
| AGRI-SUNFLOWER SEEDS-JSE | AGRI-SUNFLOWER SEEDS-JSE |
| AGRI-UAN-FOB-NOLA BARGE-FERTILIZER INDEX | AGRI-UAN-FOB-NOLA BARGE-F |
| AGRI-UREA-GRANULAR-FOB-EGYPT-FERTILIZER INDEX | AGRI-UREA-GRANULAR-FOB-EG |
| AGRI-UREA-GRANULAR-FOB-NOLA BARGE-FERTILIZER INDEX | AGRI-UREA-GRANULAR-FOB-NO |
| AGRI-UREA-GRANULAR-FOB-US GULF-DAILY-ARGUS | AGRI-UREA-GRANULAR-FOB-US |
| AGRI-UREA-GRANULAR-FOB-US GULF-WEEKLY-ARGUS | AGRI-UREA-GRANULAR-FOB-US |
| AGRI-UREA-PRILLED-FOB-YUZHNY-FERTILIZER INDEX | AGRI-UREA-PRILLED-FOB-YUZ |
| AGRI-WHEAT-CBOT | AGRI-WHEAT-CBOT |
| AGRI-WHEAT-FEED-UK-ICE | AGRI-WHEAT-FEED-UK-ICE |
| AGRI-WHEAT-HRW-KC-CME | AGRI-WHEAT-HRW-KC-CME |
| AGRI-WHEAT-HRW-MGEX | AGRI-WHEAT-HRW-MGEX |
| AGRI-WHEAT-MILLING-ASX | AGRI-WHEAT-MILLING-ASX |
| AGRI-WHEAT-MILLING-JSE | AGRI-WHEAT-MILLING-JSE |
| AGRI-WHEAT-MILLING-NO. 2-EURONEXT MATIF | AGRI-WHEAT-MILLING-NO. 2- |
| AGRI-WHEY-DRY-USDA | AGRI-WHEY-DRY-USDA |
| AGRI-WHITE MAIZE-WM1-JSE | AGRI-WHITE MAIZE-WM1-JSE |
| AGRI-WHITE MAIZE-WM2-JSE | AGRI-WHITE MAIZE-WM2-JSE |
| AGRI-WHITE SUGAR-ICE | AGRI-WHITE SUGAR-ICE |
| AGRI-YELLOW MAIZE-YM1-JSE | AGRI-YELLOW MAIZE-YM1-JSE |
| AGRI-YELLOW MAIZE-YM2-JSE | AGRI-YELLOW MAIZE-YM2-JSE |
| ALUMINIUM ALLOY-LME 15 MONTH | ALUMINIUM ALLOY-LME 15 MO |
| ALUMINIUM ALLOY-LME 27 MONTH | ALUMINIUM ALLOY-LME 27 MO |
| ALUMINIUM ALLOY-LME 3 MONTH | ALUMINIUM ALLOY-LME 3 MON |
| ALUMINIUM ALLOY-LME CASH | ALUMINIUM ALLOY-LME CASH |
| ALUMINIUM ALLOY-MW A-380-PLATTS METALS ALERT | ALUMINIUM ALLOY-MW A-380- |
| ALUMINIUM ALLOY-MW-319-PLATTS METALS ALERT | ALUMINIUM ALLOY-MW-319-PL |
| ALUMINIUM ALLOY-MW-356-PLATTS METALS ALERT | ALUMINIUM ALLOY-MW-356-PL |
| ALUMINIUM-LME 15 MONTH | ALUMINIUM-LME 15 MONTH |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| ALUMINIUM-LME 27 MONTH | ALUMINIUM-LME 27 MONTH |
| ALUMINIUM-LME 3 MONTH | ALUMINIUM-LME 3 MONTH |
| ALUMINIUM-LME CASH | ALUMINIUM-LME CASH |
| ALUMINIUM-MIDWEST-PLATTS METALS ALERT | ALUMINIUM-MIDWEST-PLATTS |
| ALUMINIUM-TOCOM | ALUMINIUM-TOCOM |
| ALUMINUM-COMEX | ALUMINUM-COMEX |
| AMMONIA - CFR TAMPA - FMB | AMMONIA - CFR TAMPA - FMB |
| AMMONIA - FOB US GULF BARGE - FMB | AMMONIA - FOB US GULF BAR |
| AMMONIA - FOB YUZHNY - FMB | AMMONIA - FOB YUZHNY - FM |
| ARABIAN LIGHT FOB ARA CRACK NETBACK-PLATTS MARKETWIRE | ARABIAN LIGHT FOB ARA CRA |
| AZUKI BEANS-TGE | AZUKI BEANS-TGE |
| BARLEY-ICE | BARLEY-ICE |
| Benzene in Europe Contract (FOB NEW) | Benzene in Europe Contrac |
| BENZENE-CONTRACT BENZENE (FOB USGC/GAL)-GALLON-B&D | BENZENE-CONTRACT BENZENE |
| BENZENE-CONTRACT BENZENE (FOB USGC/GAL)-TON-B&D | BENZENE-CONTRACT BENZENE |
| BENZENE-CONTRACT BENZENE-GALLON-CMAI | BENZENE-CONTRACT BENZENE- |
| BENZENE-CONTRACT BENZENE-TON-CMAI | BENZENE-CONTRACT BENZENE- |
| BENZENE-SPOT BENZENE (USGC/GAL)-GALLON-B&D | BENZENE-SPOT BENZENE (USG |
| BENZENE-SPOT BENZENE (USGC/GAL)-TON-B&D | BENZENE-SPOT BENZENE (USG |
| BENZENE-SPOT BENZENE-GALLON-CMAI | BENZENE-SPOT BENZENE-GALL |
| BENZENE-SPOT BENZENE-TON-CMAI | BENZENE-SPOT BENZENE-TON- |
| BIODIESEL-FAME 0C CFPP ROTTERDAM QUARTER-ARGUS BIOFUELS | BIODIESEL-FAME 0C CFPP RO |
| BIODIESEL-FAME 0C CFPP ROTTERDAM-ARGUS BIOFUELS | BIODIESEL-FAME 0C CFPP RO |
| BIODIESEL-FAME 0C CFPP T1 CIF ROTTERDAM-ARGUS BIOFUELS | BIODIESEL-FAME 0C CFPP T1 |
| BIODIESEL-PALM OME ROTTERDAM-ARGUS BIOFUELS | BIODIESEL-PALM OME ROTTER |
| BIODIESEL-RAPESEED OME ROTTERDAM-ARGUS BIOFUELS | BIODIESEL-RAPESEED OME RO |
| BIODIESEL-SOYA OME ROTTERDAM-ARGUS BIOFUELS | BIODIESEL-SOYA OME ROTTER |
| BLEACHED KRAFT FLUFF EUROPE RISI | BLEACHED KRAFT FLUFF EURO |
| BRASS BLEND FOB ARA CRACK NETBACK-PLATTS MARKETWIRE | BRASS BLEND FOB ARA CRACK |
| BRENT/BFOEOIL-BRENT/BFOE-ICE | BRENT/BFOEOIL-BRENT/BFOE- |
| BROAD WOOL (23 MICRON)-SFE | BROAD WOOL (23 MICRON)-SF |
| Butter Future CME | Butter Future CME |
| C Fuel oil 0.3%S -waterborne spot Tokyo bay rim intelligence products | C Fuel oil 0.3%S -waterbo |
| C Fuel oil 3.%S -waterborne spot Tokyo bay rim intelligence products | C Fuel oil 3.%S -waterbor |
| CANOLA-ICE | CANOLA-ICE |
| CHICAGO ETHANOL - PLATTS | CHICAGO ETHANOL - PLATTS |
| CLEAN FUELS-SPOT METHANOL (GALLON) FOB U.S. GULF-CMAI WEEKLY MMR | CLEAN FUELS-SPOT METHANOL |
| CLEAN FUELS-SPOT METHANOL (TON) FOB U.S. GULF-CMAI WEEKLY MMR | CLEAN FUELS-SPOT METHANOL |
| COAL - API 8- MONTHLY-ARGUS/MCCLOSKEY'S | COAL - API 8- MONTHLY-ARG |
| COAL - API 8- WEEKLY-ARGUS/MCCLOSKEY'S | COAL - API 8- WEEKLY-ARGU |
| COAL-API 2 - WEEKLY- ARGUS/MCCLOSKEY'S | COAL-API 2 - WEEKLY- ARGU |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| COAL-API 2-MONTHLY - ARGUS/MCCLOSKEY'S | COAL-API 2-MONTHLY - ARGU |
| COAL-API 4 WEEKLY-ARGUS/MCCLOSKEY'S | COAL-API 4 WEEKLY-ARGUS/M |
| COAL-API 4- MONTHLY- ARGUS/MCCLOSKEY'S | COAL-API 4- MONTHLY- ARGU |
| COAL-API 6 MONTHLY-ARGUS/MCCLOSKEY'S | COAL-API 6 MONTHLY-ARGUS/ |
| COAL-API 6 WEEKLY-ARGUS/MCCLOSKEY'S | COAL-API 6 WEEKLY-ARGUS/M |
| COAL-ARA-EEX | COAL-ARA-EEX |
| COAL-ARA-GLOBALCOALTM | COAL-ARA-GLOBALCOALTM |
| COAL-CENTRAL APPALACHIAN-NYMEX | COAL-CENTRAL APPALACHIAN- |
| COAL-CIF ARA CIM-PLATTS | COAL-CIF ARA CIM-PLATTS |
| COAL-NEWCASTLE-GLOBALCOALTM | COAL-NEWCASTLE-GLOBALCOAL |
| COAL-RICHARDS BAY-EEX | COAL-RICHARDS BAY-EEX |
| COAL-RICHARDS BAY-GLOBALCOALTM | COAL-RICHARDS BAY-GLOBALC |
| COAL-RICHARDS BAY-ICE | COAL-RICHARDS BAY-ICE |
| COAL-ROTTERDAM-ICE | COAL-ROTTERDAM-ICE |
| COBALT - LME - 3 MONTH | COBALT - LME - 3 MONTH |
| COBALT - LME - CASH | COBALT - LME - CASH |
| COBALT HIGH GRADE: Metal Bulletin: | COBALT HIGH GRADE: Metal |
| COBALT LOW GRADE: Metal Bulletin: | COBALT LOW GRADE: Metal B |
| COBALT-LME 15 month | COBALT-LME 15 month |
| COBALT-LME 3 month | COBALT-LME 3 month |
| COCOA-ICE | COCOA-ICE |
| COCOA-NYSE Liffe | COCOA-NYSE Liffe |
| COFFEE ARABICA-BM&F | COFFEE ARABICA-BM&F |
| COFFEE ARABICA-ICE | COFFEE ARABICA-ICE |
| COFFEE ROBUSTA-NYSE Liffe | COFFEE ROBUSTA-NYSE Liffe |
| COKING COAL-ARGUS- FOB AUSTRALIA-ARGUS COAL DAILY INTERNATIONAL | COKING COAL-ARGUS- FOB AU |
| CONTAINERBOARD 26LB CORRUGATING MEDIUM SEMICHEMICAL EAST (LIST) PPW | CONTAINERBOARD 26LB CORRU |
| CONTAINERBOARD 26LB SEMICHEMICAL MEDIUM EASTERN U.S. (LIST) PPM | CONTAINERBOARD 26LB SEMIC |
| CONTAINERBOARD 42LB LINERBOARD UNBLEACHED KRAFT EAST (LIST) PPW | CONTAINERBOARD 42LB LINER |
| CONTAINERBOARD 42LB UNBLEACHED KRAFT LINERBOARD EASTERN U.S. (LIST) PPM | CONTAINERBOARD 42LB UNBLE |
| COPPER-COMEX-SAFEX | COPPER-COMEX-SAFEX |
| COPPER-COMEX | COPPER-COMEX |
| COPPER-LME 15 MONTH | COPPER-LME 15 MONTH |
| COPPER-LME 27 MONTH | COPPER-LME 27 MONTH |
| COPPER-LME 3 MONTH | COPPER-LME 3 MONTH |
| COPPER-LME CASH | COPPER-LME CASH |
| CORN-CBOT-SAFEX | CORN-CBOT-SAFEX |
| CORN-CBOT | CORN-CBOT |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| CORN-NYSE Liffe | CORN-NYSE Liffe |
| COTTON NO. 2-ICE | COTTON NO. 2-ICE |
| CRUDE PALM OIL - MDEX, | CRUDE PALM OIL - MDEX, |
| CRUDE PALM OIL (FCPO) - MALAYSIA - BURSA MALAYSIA | CRUDE PALM OIL (FCPO) - M |
| DAIRY - MILK - NZX, | DAIRY - MILK - NZX, |
| DAP fob Tampa-Fertilizer Index | DAP fob Tampa-Fertilizer |
| DAP- CENTRAL FLORIDA - FMB | DAP- CENTRAL FLORIDA - FM |
| DAP- US GULF DOMESTIC - FMB | DAP- US GULF DOMESTIC - F |
| DAP-FERTILIZER INDEX | DAP-FERTILIZER INDEX |
| DAP-FOB US GULF - FMB | DAP-FOB US GULF - FMB |
| DIESEL FUEL-GULF COAST LOW SULFUR (PIPELINE)-PLATTS U.S. | DIESEL FUEL-GULF COAST LO |
| DIESEL FUEL-GULF COAST LOW SULFUR (WATERBORNE)-PLATTS U.S. | DIESEL FUEL-GULF COAST LO |
| DIESEL FUEL-GULF COAST ULTRA LOW SULFUR (PIPELINE)-PLATTS U.S. | DIESEL FUEL-GULF COAST UL |
| DIESEL FUEL-LOS ANGELES CARB NO. 2 (PIPELINE)-OPIS WEST COAST | DIESEL FUEL-LOS ANGELES C |
| DIESEL FUEL-MIDWEST GROUP THREE ULTRA LOW SULFUR PLATTS U.S. | DIESEL FUEL-MIDWEST GROUP |
| DIESEL FUEL-NO. 2 BILLINGS-PLATTS OILGRAM | DIESEL FUEL-NO. 2 BILLING |
| DIESEL FUEL-NO. 2 SALT LAKE-PLATTS OILGRAM | DIESEL FUEL-NO. 2 SALT LA |
| DIESEL FUEL-ON HIGHWAY ALL TYPES (U.S.)-ENERGY INFORMATION ADMINISTRATION | DIESEL FUEL-ON HIGHWAY AL |
| DIESEL FUEL-U.S. GULF COAST ULTRA LOW SULFUR (WATERBORNE)-PLATTS US MARKETSCAN | DIESEL FUEL-U.S. GULF COA |
| DIESEL FUEL-ULTRA LOW SULFUR (COLONIAL)-ARGUS US PRODUCTS | DIESEL FUEL-ULTRA LOW SUL |
| DIESEL FUEL-ULTRA LOW SULFUR (NEW YORK BARGE)-ARGUS US PRODUCTS | DIESEL FUEL-ULTRA LOW SUL |
| ELECTRICITY - APX - POWER INDEX: HOURLY, | ELECTRICITY - APX - POWER |
| ELECTRICITY - POWER INDEX - HOURLY - EEX | ELECTRICITY - POWER INDEX |
| ELECTRICITY - POWER INDEX - HOURLY - GME, | ELECTRICITY - POWER INDEX |
| ELECTRICITY MISO- CINERGY HUB-Day Ahead | ELECTRICITY MISO- CINERGY |
| ELECTRICITY MISO- CINERGY HUB-REAL TIME | ELECTRICITY MISO- CINERGY |
| ELECTRICITY MISO-ILLINOIS HUB-Day Ahead | ELECTRICITY MISO-ILLINOIS |
| ELECTRICITY MISO-ILLINOIS HUB-Real-Time | ELECTRICITY MISO-ILLINOIS |
| ELECTRICITY MISO-MICHIGAN HUB-Day Ahead | ELECTRICITY MISO-MICHIGAN |
| ELECTRICITY MISO-MICHIGAN HUB-Real-Time | ELECTRICITY MISO-MICHIGAN |
| ELECTRICITY MISO-MINNESOTA HUB-Day Ahead | ELECTRICITY MISO-MINNESOT |
| ELECTRICITY MISO-MINNESOTA HUB-Real-Time | ELECTRICITY MISO-MINNESOT |
| ELECTRICITY PJM-NEW JERSEY HUB-DAY AHEAD | ELECTRICITY PJM-NEW JERSE |
| ELECTRICITY PJM-NEW JERSEY HUB-REAL TIME | ELECTRICITY PJM-NEW JERSE |
| ELECTRICITY PJM-NORTHERN ILLINOIS HUB-DAY AHEAD | ELECTRICITY PJM-NORTHERN |
| ELECTRICITY PJM-NORTHERN ILLINOIS HUB-REAL TIME | ELECTRICITY PJM-NORTHERN |
| ELECTRICITY PJM-PSEG-DAY AHEAD | ELECTRICITY PJM-PSEG-DAY |
| ELECTRICITY PJM-PSEG-REAL TIME | ELECTRICITY PJM-PSEG-REAL |
| ELECTRICITY PJM-WESTERN HUB-DAY AHEAD | ELECTRICITY PJM-WESTERN H |
| ELECTRICITY PJM-WESTERN HUB-REAL TIME | ELECTRICITY PJM-WESTERN H |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| ELECTRICITY-AEMO SPOT PRICE -TAS | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-NSW | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-QLD | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-SA | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-HISTORICAL-VIC | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-NSW | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-QLD | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-SA | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEMO SPOT PRICE-VIC | ELECTRICITY-AEMO SPOT PRI |
| ELECTRICITY-AEP DAYTON HUB OFF-PEAK-ICE- | ELECTRICITY-AEP DAYTON HU |
| ELECTRICITY-AEP DAYTON HUB PEAK-ICE | ELECTRICITY-AEP DAYTON HU |
| ELECTRICITY-AEP DAYTON HUB REAL TIME PEAK-ICE | ELECTRICITY-AEP DAYTON HU |
| ELECTRICITY-ALBERTA POWER POOL-AESO | ELECTRICITY-ALBERTA POWER |
| ELECTRICITY-CAISO-COB (MALIN_5_N101)-DAY AHEAD | ELECTRICITY-CAISO-COB (MA |
| ELECTRICITY-CAISO-FOUR CORNERS (FOURCORN_3_N501)-DAY AHEAD | ELECTRICITY-CAISO-FOUR CO |
| ELECTRICITY-CAISO-MEAD (MEADS_2_N101)-DAY AHEAD | ELECTRICITY-CAISO-MEAD (M |
| ELECTRICITY-CAISO-NOB SYLMARDC_2_N501)-DAY AHEAD | ELECTRICITY-CAISO-NOB SYL |
| ELECTRICITY-CAISO-NP15-DAY AHEAD | ELECTRICITY-CAISO-NP15-DA |
| ELECTRICITY-CAISO-NP15-REAL TIME | ELECTRICITY-CAISO-NP15-RE |
| ELECTRICITY-CAISO-PALO VERDE (PALOVRDE_ASR-APND)-DAY AHEAD | ELECTRICITY-CAISO-PALO VE |
| ELECTRICITY-CAISO-SP15-DAY AHEAD | ELECTRICITY-CAISO-SP15-DA |
| ELECTRICITY-CAISO-SP15-REAL TIME | ELECTRICITY-CAISO-SP15-RE |
| ELECTRICITY-CALIFORNIA/OREGON BORDER FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-CALIFORNIA/OR |
| ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-CALIFORNIA/OR |
| ELECTRICITY-CALIFORNIA/OREGON BORDER NON-FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-CALIFORNIA/OR |
| ELECTRICITY-CINERGY (ON-PEAK)-MEGAWATT DAILY | ELECTRICITY-CINERGY (ON-P |
| ELECTRICITY-CINERGY FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-CINERGY FIRM |
| ELECTRICITY-CINERGY OFF-PEAK-ICE | ELECTRICITY-CINERGY OFF-P |
| ELECTRICITY-CINERGY PEAK-ICE | ELECTRICITY-CINERGY PEAK- |
| ELECTRICITY-CINERGY REAL TIME OFF-PEAK-ICE | ELECTRICITY-CINERGY REAL |
| ELECTRICITY-CINERGY REAL TIME PEAK-ICE | ELECTRICITY-CINERGY REAL |
| ELECTRICITY-COB OFF-PEAK-ICE | ELECTRICITY-COB OFF-PEAK- |
| ELECTRICITY-COB PEAK-ICE | ELECTRICITY-COB PEAK-ICE |
| ELECTRICITY-CONTINUOUS TRADING BASE-EEX | ELECTRICITY-CONTINUOUS TR |
| ELECTRICITY-CONTINUOUS TRADING PEAK-EEX | ELECTRICITY-CONTINUOUS TR |
| ELECTRICITY-CONTINUOUS TRADING WEEKEND BASE-EEX | ELECTRICITY-CONTINUOUS TR |
| ELECTRICITY-DAILY PHELIX BASE SPOT-EEX | ELECTRICITY-DAILY PHELIX |
| ELECTRICITY-DAILY PHELIX PEAK SPOT-EEX | ELECTRICITY-DAILY PHELIX |
| ELECTRICITY-DAY-AHEAD-HOURLY-POWERNEXT | ELECTRICITY-DAY-AHEAD-HOU |
| ELECTRICITY-DKK- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL | ELECTRICITY-DKK- ELSPOT N |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| ELECTRICITY-DKK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT (S |
| ELECTRICITY-DKK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT DK |
| ELECTRICITY-DKK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT DK |
| ELECTRICITY-DKK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT FI |
| ELECTRICITY-DKK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT NO |
| ELECTRICITY-DKK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT NO |
| ELECTRICITY-DKK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT NO |
| ELECTRICITY-DKK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT NO |
| ELECTRICITY-DKK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT SE |
| ELECTRICITY-DKK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT SE |
| ELECTRICITY-DKK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT SE |
| ELECTRICITY-DKK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL | ELECTRICITY-DKK-ELSPOT SE |
| ELECTRICITY-ENTERGY (ON-PEAK)-MEGAWATT DAILY | ELECTRICITY-ENTERGY (ON-P |
| ELECTRICITY-ENTERGY OFF-PEAK-ICE | ELECTRICITY-ENTERGY OFF-P |
| ELECTRICITY-ENTERGY PEAK-ICE | ELECTRICITY-ENTERGY PEAK- |
| ELECTRICITY-ERCOT-AUSTIN ENERGY LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-AUSTIN |
| ELECTRICITY-ERCOT-AUSTIN ENERGY LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-AUSTIN |
| ELECTRICITY-ERCOT-BUS AVERAGE 345KV HUB-DAY AHEAD | ELECTRICITY-ERCOT-BUS AVE |
| ELECTRICITY-ERCOT-BUS AVERAGE 345KV HUB-REAL TIME | ELECTRICITY-ERCOT-BUS AVE |
| ELECTRICITY-ERCOT-CAPACITY NON-SPINNING-DAY AHEAD | ELECTRICITY-ERCOT-CAPACIT |
| ELECTRICITY-ERCOT-CPS LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-CPS LOA |
| ELECTRICITY-ERCOT-CPS LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-CPS LOA |
| ELECTRICITY-ERCOT-HOUSTON 345KV HUB-REAL TIME | ELECTRICITY-ERCOT-HOUSTON |
| ELECTRICITY-ERCOT-HOUSTON LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-HOUSTON |
| ELECTRICITY-ERCOT-HOUSTON LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-HOUSTON |
| ELECTRICITY-ERCOT-HOUSTON OFF-PEAK-ICE | ELECTRICITY-ERCOT-HOUSTON |
| ELECTRICITY-ERCOT-HOUSTON PEAK-ICE | ELECTRICITY-ERCOT-HOUSTON |
| ELECTRICITY-ERCOT-HUB AVERAGE 345KV-DAY AHEAD | ELECTRICITY-ERCOT-HUB AVE |
| ELECTRICITY-ERCOT-HUB AVERAGE 345KV-REAL TIME | ELECTRICITY-ERCOT-HUB AVE |
| ELECTRICITY-ERCOT-LCRA LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-LCRA LO |
| ELECTRICITY-ERCOT-LCRA LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-LCRA LO |
| ELECTRICITY-ERCOT-NODAL: CPSES UNIT 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-NORTH OFF-PEAK-ICE | ELECTRICITY-ERCOT-NORTH O |
| ELECTRICITY-ERCOT-NORTH PEAK-ICE | ELECTRICITY-ERCOT-NORTH P |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| ELECTRICITY-ERCOT-RAYBURN LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-RAYBURN |
| ELECTRICITY-ERCOT-RAYBURN LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-RAYBURN |
| ELECTRICITY-ERCOT-REGULATION SERVICE DOWN-ANCILLARY SERVICES MCP | ELECTRICITY-ERCOT-REGULAT |
| ELECTRICITY-ERCOT-REGULATION SERVICE UP-ANCILLARY SERVICES MCP | ELECTRICITY-ERCOT-REGULAT |
| ELECTRICITY-ERCOT-RESPONSIVE RESERVE-ANCILLARY SERVICES MCP | ELECTRICITY-ERCOT-RESPONS |
| ELECTRICITY-ERCOT-SOUTH 345KV HUB-REAL TIME | ELECTRICITY-ERCOT-SOUTH 3 |
| ELECTRICITY-ERCOT-SOUTH LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-SOUTH L |
| ELECTRICITY-ERCOT-SOUTH LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-SOUTH L |
| ELECTRICITY-ERCOT-SOUTH OFF-PEAK-ICE | ELECTRICITY-ERCOT-SOUTH O |
| ELECTRICITY-ERCOT-SOUTH PEAK-ICE | ELECTRICITY-ERCOT-SOUTH P |
| ELECTRICITY-ERCOT-WEST 345KV HUB-REAL TIME | ELECTRICITY-ERCOT-WEST 34 |
| ELECTRICITY-ERCOT-WEST LOAD ZONE-DAY AHEAD | ELECTRICITY-ERCOT-WEST LO |
| ELECTRICITY-ERCOT-WEST LOAD ZONE-REAL TIME | ELECTRICITY-ERCOT-WEST LO |
| ELECTRICITY-ERCOT-WEST OFF-PEAK-ICE | ELECTRICITY-ERCOT-WEST OF |
| ELECTRICITY-ERCOT-WEST PEAK-ICE | ELECTRICITY-ERCOT-WEST PE |
| ELECTRICITY-EUR- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL | ELECTRICITY-EUR- ELSPOT N |
| ELECTRICITY-EUR-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT (S |
| ELECTRICITY-EUR-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT DK |
| ELECTRICITY-EUR-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT DK |
| ELECTRICITY-EUR-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT FI |
| ELECTRICITY-EUR-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT NO |
| ELECTRICITY-EUR-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT NO |
| ELECTRICITY-EUR-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT NO |
| ELECTRICITY-EUR-ELSPOT NO5 (BER)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT NO |
| ELECTRICITY-EUR-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT SE |
| ELECTRICITY-EUR-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT SE |
| ELECTRICITY-EUR-ELSPOT SE3 (STO)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT SE |
| ELECTRICITY-EUR-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL | ELECTRICITY-EUR-ELSPOT SE |
| ELECTRICITY-FOUR CORNERS OFF-PEAK-ICE | ELECTRICITY-FOUR CORNERS |
| ELECTRICITY-FOUR CORNERS PEAK-ICE | ELECTRICITY-FOUR CORNERS |
| ELECTRICITY-FOURCORNERS FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-FOURCORNERS F |
| ELECTRICITY-FOURCORNERS FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-FOURCORNERS F |
| ELECTRICITY-FOURCORNERS NON-FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-FOURCORNERS N |
| ELECTRICITY-HOURLY BLOCK AFTERNOON-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK BUSINESS-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK EVENING-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK HIGH NOON-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK MORNING-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK NIGHT-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK OFF PEAK I-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-HOURLY BLOCK OFF PEAK II-EEX | ELECTRICITY-HOURLY BLOCK |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| ELECTRICITY-HOURLY BLOCK RUSH HOUR-EEX | ELECTRICITY-HOURLY BLOCK |
| ELECTRICITY-IESO-HOURLY ONTARIO ENERGY PRICE | ELECTRICITY-IESO-HOURLY O |
| ELECTRICITY-ISO NEW ENGLAND-CONNECTICUT-DAY AHEAD | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-CONNECTICUT-REAL TIME | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-HYDRO QUEBEC PHASE 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 BOSTON-DAY AHEAD | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-SE MASS-DAY AHEAD | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-SE MASS-REAL TIME | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-WC MASS-DAY AHEAD | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-ISO NEW ENGLAND-WC MASS-REAL TIME | ELECTRICITY-ISO NEW ENGLA |
| ELECTRICITY-JM-EDGEMOOR HAYRD4-REAL TIME | ELECTRICITY-JM-EDGEMOOR H |
| ELECTRICITY-JOJOBA PEAK-ICE | ELECTRICITY-JOJOBA PEAK-I |
| ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WEEKEND (07.30-09.00) | ELECTRICITY-LEBA UK POWER |
| ELECTRICITY-LEBA UK POWER INDEX-DAY AHEAD WINDOW (07.30-09.00) | ELECTRICITY-LEBA UK POWER |
| ELECTRICITY-LEBA UK POWER INDEX-MONDAY-FRIDAY PEAK BLOCKS 3&4&5 (07.30-09.00) | ELECTRICITY-LEBA UK POWER |
| ELECTRICITY-LEBA UK POWER INDEX-WORKING DAYS (07.30-17.00) | ELECTRICITY-LEBA UK POWER |
| ELECTRICITY-MEAD OFF-PEAK-ICE | ELECTRICITY-MEAD OFF-PEAK |
| ELECTRICITY-MEAD PEAK-ICE | ELECTRICITY-MEAD PEAK-ICE |
| ELECTRICITY-MEAD/MARKETPLACE FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-MEAD/MARKETPL |
| ELECTRICITY-MEAD/MARKETPLACE FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-MEAD/MARKETPL |
| ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-MEAD/MARKETPL |
| ELECTRICITY-MEAD/MARKETPLACE NON-FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-MEAD/MARKETPL |
| ELECTRICITY-MID C OFF-PEAK-ICE | ELECTRICITY-MID C OFF-PEA |
| ELECTRICITY-MID C PEAK-ICE | ELECTRICITY-MID C PEAK-IC |
| ELECTRICITY-MID-COLUMBIA FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-MID-COLUMBIA |
| ELECTRICITY-MID-COLUMBIA FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-MID-COLUMBIA |
| ELECTRICITY-MID-COLUMBIA NON-FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-MID-COLUMBIA |
| ELECTRICITY-MID-COLUMBIA NON-FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-MID-COLUMBIA |
| ELECTRICITY-MISO-ALTW.FPL_DAEC-DAY AHEAD | ELECTRICITY-MISO-ALTW.FPL |
| ELECTRICITY-MISO-ALTW.FPL_DAEC-REAL TIME | ELECTRICITY-MISO-ALTW.FPL |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| 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- |
| 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 |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| ELECTRICITY-MISO-MPW.MPW HUB-REAL TIME | ELECTRICITY-MISO-MPW.MPW |
| ELECTRICITY-MISO-MPW.MPW-DAY AHEAD | ELECTRICITY-MISO-MPW.MPW- |
| ELECTRICITY-MONA OFF-PEAK-ICE | ELECTRICITY-MONA OFF-PEAK |
| ELECTRICITY-MONA PEAK-ICE | ELECTRICITY-MONA PEAK-ICE |
| ELECTRICITY-MONTH FUTURES BASE-EEX | ELECTRICITY-MONTH FUTURES |
| ELECTRICITY-MONTH FUTURES PEAK-EEX | ELECTRICITY-MONTH FUTURES |
| ELECTRICITY-MONTHLY PHELIX BASE SPOT-EEX | ELECTRICITY-MONTHLY PHELI |
| ELECTRICITY-MONTHLY PHELIX PEAK SPOT-EEX | ELECTRICITY-MONTHLY PHELI |
| ELECTRICITY-N ILLINOIS OFF-PEAK-ICE | ELECTRICITY-N ILLINOIS OF |
| ELECTRICITY-N ILLINOIS PEAK-ICE | ELECTRICITY-N ILLINOIS PE |
| ELECTRICITY-N ILLINOIS REAL TIME OFF-PEAK-ICE | ELECTRICITY-N ILLINOIS RE |
| ELECTRICITY-N ILLINOIS REAL TIME PEAK-ICE | ELECTRICITY-N ILLINOIS RE |
| ELECTRICITY-NEPOOL MH DA LMP OFF-PEAK-ICE | ELECTRICITY-NEPOOL MH DA |
| ELECTRICITY-NEPOOL MH DA LMP PEAK-ICE | ELECTRICITY-NEPOOL MH DA |
| ELECTRICITY-NOB OFF-PEAK-ICE | ELECTRICITY-NOB OFF-PEAK- |
| ELECTRICITY-NOB PEAK-ICE | ELECTRICITY-NOB PEAK-ICE |
| ELECTRICITY-NOK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT (S |
| ELECTRICITY-NOK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT DK |
| ELECTRICITY-NOK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT DK |
| ELECTRICITY-NOK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT FI |
| ELECTRICITY-NOK-ELSPOT NO1 (OSL)-HOURLY- NORDPOOL | ELECTRICITY-NOK-ELSPOT NO |
| ELECTRICITY-NOK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT NO |
| ELECTRICITY-NOK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT NO |
| ELECTRICITY-NOK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT NO |
| ELECTRICITY-NOK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT NO |
| ELECTRICITY-NOK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT SE |
| ELECTRICITY-NOK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT SE |
| ELECTRICITY-NOK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT SE |
| ELECTRICITY-NOK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL | ELECTRICITY-NOK-ELSPOT SE |
| ELECTRICITY-NP-15 DAY AHEAD OFF-PEAK-ICE | ELECTRICITY-NP-15 DAY AHE |
| ELECTRICITY-NP-15 DAY AHEAD PEAK-ICE | ELECTRICITY-NP-15 DAY AHE |
| ELECTRICITY-NP-15 FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-NP-15 FIRM (O |
| ELECTRICITY-NP-15 FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-NP-15 FIRM (O |
| ELECTRICITY-NP-15 OFF-PEAK-ICE | ELECTRICITY-NP-15 OFF-PEA |
| ELECTRICITY-NP-15 PEAK-ICE | ELECTRICITY-NP-15 PEAK-IC |
| ELECTRICITY-NYISO A PEAK-ICE | ELECTRICITY-NYISO A PEAK- |
| ELECTRICITY-NYISO-ZONE A (WEST)-DAY AHEAD | ELECTRICITY-NYISO-ZONE A |
| ELECTRICITY-NYISO-ZONE A (WEST)-REAL TIME | ELECTRICITY-NYISO-ZONE A |
| ELECTRICITY-NYISO-ZONE B-DAY AHEAD | ELECTRICITY-NYISO-ZONE B- |
| ELECTRICITY-NYISO-ZONE B-REAL TIME | ELECTRICITY-NYISO-ZONE B- |
| ELECTRICITY-NYISO-ZONE C-DAY AHEAD | ELECTRICITY-NYISO-ZONE C- |
| ELECTRICITY-NYISO-ZONE C-REAL TIME | ELECTRICITY-NYISO-ZONE C- |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| 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-PALO VERDE FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-PALO VERDE FI |
| ELECTRICITY-PALO VERDE FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-PALO VERDE FI |
| ELECTRICITY-PALO VERDE NON-FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-PALO VERDE NO |
| ELECTRICITY-PALO VERDE NON-FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-PALO VERDE NO |
| ELECTRICITY-PALO VERDE OFF-PEAK-ICE | ELECTRICITY-PALO VERDE OF |
| ELECTRICITY-PALO VERDE PEAK-ICE | ELECTRICITY-PALO VERDE PE |
| ELECTRICITY-PINNACLE OFF-PEAK-ICE | ELECTRICITY-PINNACLE OFF- |
| ELECTRICITY-PINNACLE PEAK-ICE | ELECTRICITY-PINNACLE PEAK |
| ELECTRICITY-PJM FIRM (ON-PEAK)-DOW JONES POWER | ELECTRICITY-PJM FIRM (ON- |
| ELECTRICITY-PJM-AECO-DAY AHEAD | ELECTRICITY-PJM-AECO-DAY |
| ELECTRICITY-PJM-AECO-REAL TIME | ELECTRICITY-PJM-AECO-REAL |
| ELECTRICITY-PJM-AEP DAYTON HUB-DAY AHEAD | ELECTRICITY-PJM-AEP DAYTO |
| ELECTRICITY-PJM-AEP DAYTON HUB-REAL TIME | ELECTRICITY-PJM-AEP DAYTO |
| ELECTRICITY-PJM-AEP-DAY AHEAD | ELECTRICITY-PJM-AEP-DAY A |
| ELECTRICITY-PJM-AEP-REAL TIME | ELECTRICITY-PJM-AEP-REAL |
| ELECTRICITY-PJM-AGGREGATE FE OHIO-DAY AHEAD | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-AGGREGATE FE OHIO-REAL TIME | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-AGGREGATE PEPCO DC-DAY AHEAD | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-AGGREGATE PEPCO DC-REAL TIME | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-AGGREGATE PEPCO MD-DAY AHEAD | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-AGGREGATE PEPCO MD-REAL TIME | ELECTRICITY-PJM-AGGREGATE |
| ELECTRICITY-PJM-APS-DAY AHEAD | ELECTRICITY-PJM-APS-DAY A |
| ELECTRICITY-PJM-APS-REAL TIME | ELECTRICITY-PJM-APS-REAL |
| ELECTRICITY-PJM-ATSI-DAY AHEAD | ELECTRICITY-PJM-ATSI-DAY |
| ELECTRICITY-PJM-ATSI-REAL TIME | ELECTRICITY-PJM-ATSI-REAL |
| ELECTRICITY-PJM-BGE-DAY AHEAD | ELECTRICITY-PJM-BGE-DAY A |
| ELECTRICITY-PJM-BGE-REAL TIME | ELECTRICITY-PJM-BGE-REAL |
| ELECTRICITY-PJM-CHICAGO GEN HUB-DAY AHEAD | ELECTRICITY-PJM-CHICAGO G |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| 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-EASTERN HUB-DAY AHEAD | ELECTRICITY-PJM-EASTERN H |
| ELECTRICITY-PJM-EASTERN HUB-REAL TIME | ELECTRICITY-PJM-EASTERN H |
| ELECTRICITY-PJM-EDGEMOOR HAYRD4-DAY AHEAD | ELECTRICITY-PJM-EDGEMOOR |
| ELECTRICITY-PJM-EDGEMOOR HAYRD8-DAY AHEAD | ELECTRICITY-PJM-EDGEMOOR |
| ELECTRICITY-PJM-EDGEMOOR HAYRD8-REAL TIME | ELECTRICITY-PJM-EDGEMOOR |
| ELECTRICITY-PJM-INTERFACE SOUTHEAST-DAY AHEAD | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE SOUTHEAST-REAL TIME | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE SOUTHIMP-DAY AHEAD | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE SOUTHIMP-REAL TIME | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE SOUTHWEST-DAY AHEAD | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE SOUTHWEST-REAL TIME | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-INTERFACE | ELECTRICITY-PJM-INTERFACE |
| ELECTRICITY-PJM-JCPL-DAY AHEAD | ELECTRICITY-PJM-JCPL-DAY |
| ELECTRICITY-PJM-JCPL-REAL TIME | ELECTRICITY-PJM-JCPL-REAL |
| ELECTRICITY-PJM-METED-DAY AHEAD | ELECTRICITY-PJM-METED-DAY |
| ELECTRICITY-PJM-METED-REAL TIME | ELECTRICITY-PJM-METED-REA |
| ELECTRICITY-PJM-NEW JERSEY HUB-DAY AHEAD | ELECTRICITY-PJM-NEW JERSE |
| ELECTRICITY-PJM-NEW JERSEY HUB-REAL TIME | ELECTRICITY-PJM-NEW JERSE |
| ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-DAY AHEAD | ELECTRICITY-PJM-NORTHERN |
| ELECTRICITY-PJM-NORTHERN ILLINOIS HUB-REAL TIME | ELECTRICITY-PJM-NORTHERN |
| ELECTRICITY-PJM-OHIO HUB-DAY AHEAD | ELECTRICITY-PJM-OHIO HUB- |
| ELECTRICITY-PJM-OHIO HUB-REAL TIME | ELECTRICITY-PJM-OHIO HUB- |
| ELECTRICITY-PJM-PECO-DAY AHEAD | ELECTRICITY-PJM-PECO-DAY |
| ELECTRICITY-PJM-PECO-REAL TIME | ELECTRICITY-PJM-PECO-REAL |
| ELECTRICITY-PJM-PENELEC-DAY AHEAD | ELECTRICITY-PJM-PENELEC-D |
| ELECTRICITY-PJM-PENELEC-REAL TIME | ELECTRICITY-PJM-PENELEC-R |
| ELECTRICITY-PJM-PEPCO-DAY AHEAD | ELECTRICITY-PJM-PEPCO-DAY |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| ELECTRICITY-PJM-PEPCO-REAL TIME | ELECTRICITY-PJM-PEPCO-REA |
| ELECTRICITY-PJM-PPL-DAY AHEAD | ELECTRICITY-PJM-PPL-DAY A |
| ELECTRICITY-PJM-PPL-REAL TIME | ELECTRICITY-PJM-PPL-REAL |
| ELECTRICITY-PJM-PSEG-DAY AHEAD | ELECTRICITY-PJM-PSEG-DAY |
| ELECTRICITY-PJM-PSEG-REAL TIME | ELECTRICITY-PJM-PSEG-REAL |
| ELECTRICITY-PJM-RECO-DAY AHEAD | ELECTRICITY-PJM-RECO-DAY |
| ELECTRICITY-PJM-RECO-REAL TIME | ELECTRICITY-PJM-RECO-REAL |
| ELECTRICITY-PJM-STEELCTY BETH 4CC-DAY AHEAD | ELECTRICITY-PJM-STEELCTY |
| ELECTRICITY-PJM-STEELCTY BETH 4CC-REAL TIME | ELECTRICITY-PJM-STEELCTY |
| ELECTRICITY-PJM-STEELCTY BETH 8CC-DAY AHEAD | ELECTRICITY-PJM-STEELCTY |
| ELECTRICITY-PJM-STEELCTY BETH 8CC-REAL TIME | ELECTRICITY-PJM-STEELCTY |
| ELECTRICITY-PJM-WEST INTERFACE HUB-DAY AHEAD | ELECTRICITY-PJM-WEST INTE |
| ELECTRICITY-PJM-WEST INTERFACE HUB-REAL TIME | ELECTRICITY-PJM-WEST INTE |
| ELECTRICITY-PJM-WEST OFF-PEAK-ICE | ELECTRICITY-PJM-WEST OFF- |
| ELECTRICITY-PJM-WEST PEAK-ICE | ELECTRICITY-PJM-WEST PEAK |
| ELECTRICITY-PJM-WEST REAL TIME OFF-PEAK-ICE | ELECTRICITY-PJM-WEST REAL |
| ELECTRICITY-PJM-WEST REAL TIME PEAK-ICE | ELECTRICITY-PJM-WEST REAL |
| ELECTRICITY-PJM-WESTPEAK-ICE | ELECTRICITY-PJM-WESTPEAK- |
| ELECTRICITY-PORTUGUESE POWER INDEX-HOURLY- OMIE | ELECTRICITY-PORTUGUESE PO |
| ELECTRICITY-POWER INDEX-HOURLY-APX | ELECTRICITY-POWER INDEX-H |
| ELECTRICITY-POWER INDEX-HOURLY-EEX | ELECTRICITY-POWER INDEX-H |
| ELECTRICITY-POWER INDEX-HOURLY-OMIE | ELECTRICITY-POWER INDEX-H |
| ELECTRICITY-PREZZO UNICO NAZIONALE-HOURLY-GME | ELECTRICITY-PREZZO UNICO |
| ELECTRICITY-QUARTER FUTURES BASE-EEX | ELECTRICITY-QUARTER FUTUR |
| ELECTRICITY-QUARTER FUTURES PEAK-EEX | ELECTRICITY-QUARTER FUTUR |
| ELECTRICITY-SEK- ELSPOT NO1 (OSL)-HOURLY- NORDPOOL | ELECTRICITY-SEK- ELSPOT N |
| ELECTRICITY-SEK-ELSPOT (SYSTEM PRICE)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT (S |
| ELECTRICITY-SEK-ELSPOT DK1 (ARH)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT DK |
| ELECTRICITY-SEK-ELSPOT DK2 (CPH)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT DK |
| ELECTRICITY-SEK-ELSPOT FINLAND (HEL)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT FI |
| ELECTRICITY-SEK-ELSPOT NO2 (KRI)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT NO |
| ELECTRICITY-SEK-ELSPOT NO3 (TRON)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT NO |
| ELECTRICITY-SEK-ELSPOT NO4 (TROM)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT NO |
| ELECTRICITY-SEK-ELSPOT NO5 (BER)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT NO |
| ELECTRICITY-SEK-ELSPOT SE1 (LLA)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT SE |
| ELECTRICITY-SEK-ELSPOT SE2 (SDL)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT SE |
| ELECTRICITY-SEK-ELSPOT SE3 (STO)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT SE |
| ELECTRICITY-SEK-ELSPOT SE4 (MMX)-HOURLY-NORDPOOL | ELECTRICITY-SEK-ELSPOT SE |
| ELECTRICITY-SOCO PEAK-ICE | ELECTRICITY-SOCO PEAK-ICE |
| ELECTRICITY-SP-15 DAY AHEAD OFF-PEAK-ICE | ELECTRICITY-SP-15 DAY AHE |
| ELECTRICITY-SP-15 DAY AHEAD PEAK-ICE | ELECTRICITY-SP-15 DAY AHE |
| ELECTRICITY-SP-15 FIRM (OFF-PEAK)-DOW JONES POWER | ELECTRICITY-SP-15 FIRM (O |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| ELECTRICITY-SP-15 FIRM (ON-PEAK)-DOW JONES | ELECTRICITY-SP-15 FIRM (O |
| ELECTRICITY-SP-15 OFF-PEAK-ICE | ELECTRICITY-SP-15 OFF-PEA |
| ELECTRICITY-SP-15 PEAK-ICE | ELECTRICITY-SP-15 PEAK-IC |
| ELECTRICITY-SWEP-DOW JONES POWER | ELECTRICITY-SWEP-DOW JONE |
| ELECTRICITY-SWISSIX DAY BASE-EEX | ELECTRICITY-SWISSIX DAY B |
| ELECTRICITY-UK BASE-ICE | ELECTRICITY-UK BASE-ICE |
| ELECTRICITY-UK PEAK-ICE | ELECTRICITY-UK PEAK-ICE |
| ELECTRICITY-WEST WING OFF-PEAK-ICE | ELECTRICITY-WEST WING OFF |
| ELECTRICITY-WEST WING PEAK-ICE | ELECTRICITY-WEST WING PEA |
| ELECTRICITY-YEAR FUTURES BASE-EEX | ELECTRICITY-YEAR FUTURES |
| ELECTRICITY-YEAR FUTURES PEAK-EEX | ELECTRICITY-YEAR FUTURES |
| EMISSIONS - BLUENEXT FUTURES CER | EMISSIONS - BLUENEXT FUTU |
| EMISSIONS - BLUENEXT FUTURES EUA | EMISSIONS - BLUENEXT FUTU |
| EMISSIONS - BLUENEXT SPOT CER | EMISSIONS - BLUENEXT SPOT |
| EMISSIONS - BLUENEXT SPOT ERU | EMISSIONS - BLUENEXT SPOT |
| EMISSIONS - BLUENEXT SPOT EUA | EMISSIONS - BLUENEXT SPOT |
| EMISSIONS - BLUENEXT SPOT GREEN CER | EMISSIONS - BLUENEXT SPOT |
| EMISSIONS - EU ETS-CER FORWARD-NASDAQ OMX | EMISSIONS - EU ETS-CER FO |
| EMISSIONS - EU ETS-CER FUTURES-NASDAQ OMX | EMISSIONS - EU ETS-CER FU |
| EMISSIONS - EU ETS-CER SPOT-NASDAQ OMX | EMISSIONS - EU ETS-CER SP |
| EMISSIONS - EU ETS-EUA FORWARD-NASDAQ OMX | EMISSIONS - EU ETS-EUA FO |
| EMISSIONS - EU ETS-EUA FUTURES-NASDAQ OMX | EMISSIONS - EU ETS-EUA FU |
| EMISSIONS - EU ETS-EUA SPOT-NASDAQ OMX | EMISSIONS - EU ETS-EUA SP |
| EMISSIONS - EU ETS-EUROPEAN CARBON FUTURES FORWARD-EEX | EMISSIONS - EU ETS-EUROPE |
| EMISSIONS - EU ETS-LEBA CARBON CER INDEX | EMISSIONS - EU ETS-LEBA C |
| EMISSIONS - EU ETS-LEBA CARBON EUA INDEX | EMISSIONS - EU ETS-LEBA C |
| EMISSIONS - EU ETS-LEBA SPOT CARBON CER INDEX | EMISSIONS - EU ETS-LEBA S |
| EMISSIONS - EU ETS-LEBA SPOT CARBON EUA INDEX | EMISSIONS - EU ETS-LEBA S |
| EMISSIONS - EU ETS-PWX CARBON SPOT-POWERNEXT | EMISSIONS - EU ETS-PWX CA |
| EMISSIONS - EU ETS-SPOT-EEX | EMISSIONS - EU ETS-SPOT-E |
| EMISSIONS - EU ETS-SPOT-EXAA | EMISSIONS - EU ETS-SPOT-E |
| EMISSIONS - ICE ECX CER DAILY FUTURES | EMISSIONS - ICE ECX CER D |
| EMISSIONS - ICE ECX CER Futures Options | EMISSIONS - ICE ECX CER F |
| EMISSIONS - ICE ECX CER FUTURES | EMISSIONS - ICE ECX CER F |
| EMISSIONS - ICE ECX EUA Futures Options | EMISSIONS - ICE ECX EUA F |
| EMISSIONS - ICE-ECX EUA Daily Futures | EMISSIONS - ICE-ECX EUA D |
| EMISSIONS - ICE-ECX EUA FUTURES | EMISSIONS - ICE-ECX EUA F |
| ENER-BIODIESEL-RED FAME-0 DEGREES CELSIUS CFPP-FOB-ARA-ARGUS | ENER-BIODIESEL-RED FAME-0 |
| ENER-BIODIESEL-RED RAPESEED OME-FOB-ARA-ARGUS | ENER-BIODIESEL-RED RAPESE |
| ENER-BIODIESEL-RIN-ARGUS | ENER-BIODIESEL-RIN-ARGUS |
| ENER-BIODIESEL-SME-B100-FOB-HOUSTON-ARGUS | ENER-BIODIESEL-SME-B100-F |
| ENER-BIOFUEL-ADVANCED-RIN-ARGUS | ENER-BIOFUEL-ADVANCED-RIN |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| ENER-ETHANOL-BM&F | ENER-ETHANOL-BM&F |
| ENER-ETHANOL-CHICAGO PIPE-PLATTS | ENER-ETHANOL-CHICAGO PIPE |
| ENER-ETHANOL-CHICAGO-CBOT | ENER-ETHANOL-CHICAGO-CBOT |
| ENER-ETHANOL-CME | ENER-ETHANOL-CME |
| ENER-ETHANOL-NYH BARGE-MO01-PLATTS | ENER-ETHANOL-NYH BARGE-MO |
| ENER-ETHANOL-RIN-ARGUS | ENER-ETHANOL-RIN-ARGUS |
| ETHANOL T1 FOB ROTTERDAM-ARGUS BIOFUELS | ETHANOL T1 FOB ROTTERDAM- |
| ETHANOL T2 FOB ROTTERDAM-ARGUS BIOFUELS | ETHANOL T2 FOB ROTTERDAM- |
| ETHANOL-BM&F | ETHANOL-BM&F |
| ETHANOL-CBOT | ETHANOL-CBOT |
| ETHANOL-CME | ETHANOL-CME |
| ETHANOL-ICE | ETHANOL-ICE |
| ETHANOL-PLATTS OILGRAM | ETHANOL-PLATTS OILGRAM |
| Ethylene CMAI | Ethylene CMAI |
| FEED BARLEY-ASX | FEED BARLEY-ASX |
| FEEDER CATTLE-CME | FEEDER CATTLE-CME |
| FINE WOOL (19 MICRON)-SFE | FINE WOOL (19 MICRON)-SFE |
| FOEX Northern Bleached Softwood Kraft Pulp PIX Index | FOEX Northern Bleached So |
| FOEX PIX Pulp US BHKP Price | FOEX PIX Pulp US BHKP Pri |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M1B or BALTIC S1B each | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE M3 or BALTIC S3 each | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S2 or BALTIC S2 each | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S4A or BALTIC S4A each | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX INDEX ROUTE S4B or BALTIC S4B each | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE- SUPRAMEX WEIGHTED INDEX AVERAGE ROUTES-CALCULATED DAILY AVERAGE | FREIGHT-BALTIC EXCHANGE- |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C10_03 or BALTIC C10_03 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C11_03 or BALTIC C11_03 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C2 or BALTIC C2 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C3 or BALTIC C3 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C4 or BALTIC C4 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C5 or BALTIC C5 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C7 or BALTIC C7 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C8_03 or BALTIC C8_03 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX ROUTE C9_03 or BALTIC C9_03 each | FREIGHT-BALTIC EXCHANGE-C |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX TIME CHARTER AVERAGE ROUTES-CALCULATED DAILY AVERAGE | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CAPESIZE INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC1 or BALTIC TC1 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC2_37 or BALTIC TC2_37 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC3_38 or BALTIC TC3_38 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC4 or BALTIC TC4 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC5 or BALTIC TC5 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-CLEAN TANKER INDEX ROUTE TC6 or BALTIC TC6 each | FREIGHT-BALTIC EXCHANGE-C |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD1 or BALTIC TD1 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD10 or BALTIC TD10 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD10D or BALTIC TD10D each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD11 or BALTIC TD11 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD12 or BALTIC TD12 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD2 or BALTIC TD2 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD3 or BALTIC TD3 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD4 or BALTIC TD4 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD5 or BALTIC TD5 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD6 or BALTIC TD6 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD7 or BALTIC TD7 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD8 or BALTIC TD8 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-DIRTY TANKER INDEX ROUTE TD9 or BALTIC TD9 each | FREIGHT-BALTIC EXCHANGE-D |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P1 or BALTIC P1 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P1A_03 or BALTIC P1A_03 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P2 or BALTIC P2 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P2A_03 or BALTIC P2A_03 each | FREIGHT-BALTIC EXCHANGE-P |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P3 or BALTIC P3 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P3A_03 or BALTIC P3A_03 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX ROUTE P4_03 or BALTIC P4_03 each | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX INDEX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-PANAMAX TIME CHARTER INDEX AVERAGE ROUTES-CALCULATED DAILY AVERAGE | FREIGHT-BALTIC EXCHANGE-P |
| FREIGHT-BALTIC EXCHANGE-SUPRAMEX INDEX ROUTE M1A or BALTIC S1A each | FREIGHT-BALTIC EXCHANGE-S |
| FREIGHT-CAPE-SIZE-BOLIVAR-SSY | FREIGHT-CAPE-SIZE-BOLIVAR- |
| FREIGHT-CAPE-SIZE-RICHARDS BAY-SSY | FREIGHT-CAPE-SIZE-RICHARDS |
| FREIGHT-PANAMAX-BOLIVAR-SSY | FREIGHT-PANAMAX-BOLIVAR-S |
| FREIGHT-PANAMAX-INDONESIA-SSY | FREIGHT-PANAMAX-INDONESIA |
| FREIGHT-PANAMAX-RICHARDS BAY-SSY | FREIGHT-PANAMAX-RICHARDS |
| FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC1 (RAS TANURA-YOKOHAMA) or PLATTS TC1 (RT-YOK) each | FREIGHT-PLATTS CLEAN TANK |
| FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC2_37 (ROTTERDAM-NY) or PLATTS TC2_37 (RDM-NY) each | FREIGHT-PLATTS CLEAN TANK |
| FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC3_30 (ARUBA-NEW YORK) or PLATTS TC3_30 (ARU-NY) each | FREIGHT-PLATTS CLEAN TANK |
| FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC4 (SINGAPORE-CHIBA) or PLATTS TC4 (SING-CHI) each | FREIGHT-PLATTS CLEAN TANK |
| FREIGHT-PLATTS CLEAN TANKERWIRE INDEX-ROUTE TC5 (RAS TANURA-YOKOHAMA) or PLATTS TC5 (RT-YOK) each | FREIGHT-PLATTS CLEAN TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD1_270 (RAS TANURA-LOOP) or PLATTS TD1_270 (RT-LOOP) each | FREIGHT-PLATTS DIRTY TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD10 (ARUBA-NEW YORK) or PLATTS TD10 (ARU-NY) each | FREIGHT-PLATTS DIRTY TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD11 (BANIAS-LAVERA) or PLATTS TD11 (BAN-LAV) each | FREIGHT-PLATTS DIRTY TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD12 (ANTWERP-HOUSTON) or PLATTS TD12 (ARA-USG) each | FREIGHT-PLATTS DIRTY TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD14 (DUMAI-CHIBA) or PLATTS TD14 (DUM-CHI) each | FREIGHT-PLATTS DIRTY TANK |
| FREIGHT-PLATTS DIRTY TANKERWIRE INDEX-ROUTE TD2 (RAS TANURA-SINGAPORE) or PLATTS TD2 (RT-SING) each | FREIGHT-PLATTS DIRTY TANK |
| 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 |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| 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 |
| FROZEN CONCENTRATED ORANGE JUICE NO. 1-ICE | FROZEN CONCENTRATED ORANG |
| FUEL OIL - 180 CST SINGAPORE (CARGOES) - PLATTS ASIA PACIFIC | FUEL OIL - 180 CST SINGAP |
| FUEL OIL 380 CST - FOR ARAB GULF - PLATTS ASIA-PACIFIC | FUEL OIL 380 CST - FOR AR |
| FUEL OIL SCHWERES HEIZOEL-1 PERCENT HSL RHEINSCHIENE | FUEL OIL SCHWERES HEIZOEL |
| FUEL OIL-1 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-1 PERCENT-BARGES |
| FUEL OIL-1 PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-1 PERCENT-BARGES |
| 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-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-1 PERCENT-CIF ME |
| FUEL OIL-1 PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-1 PERCENT-CIF-NW |
| FUEL OIL-1 PERCENT-CIF-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-1 PERCENT-CIF-WE |
| FUEL OIL-1 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-1 PERCENT-FOB ME |
| FUEL OIL-1 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-1 PERCENT-FOB-NW |
| FUEL OIL-1 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-1 PERCENT-FOB-WE |
| FUEL OIL-180 CST ARAB GULF (FOB)-PLATTS ASIA-PACIFIC | FUEL OIL-180 CST ARAB GUL |
| FUEL OIL-180 CST SINGAPORE-PLATTS OILGRAM BUNKERWIRE | FUEL OIL-180 CST SINGAPOR |
| FUEL OIL-3.5 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-3.5 PERCENT-BARG |
| FUEL OIL-3.5 PERCENT-BARGES-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-3.5 PERCENT-BARG |
| FUEL OIL-3.5 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-3.5 PERCENT-CARG |
| FUEL OIL-3.5 PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-3.5 PERCENT-CARG |
| FUEL OIL-3.5 PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-3.5 PERCENT-CIF |
| FUEL OIL-3.5 PERCENT-CIF-NWE-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-3.5 PERCENT-CIF- |
| FUEL OIL-3.5 PERCENT-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | FUEL OIL-3.5 PERCENT-FOB |
| FUEL OIL-3.5 PERCENT-FOB-NWE-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-3.5 PERCENT-FOB- |
| FUEL OIL-3.5 PERCENT-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS REPORT | FUEL OIL-3.5 PERCENT-FOB- |
| FUEL OIL-380 CST DAILY PRICE ASSESSMENTS CRISTOBAL (EX-WHARF)-PLATTS OILGRAM BUNKERWIRE | FUEL OIL-380 CST DAILY PR |
| FUEL OIL-380 CST FUJAIRAH (IFO)-PLATTS OILGRAM BUNKERWIRE | FUEL OIL-380 CST FUJAIRAH |
| FUEL OIL-380 CST ROTTERDAM (IFO)-PLATTS OILGRAM BUNKERWIRE | FUEL OIL-380 CST ROTTERDA |
| FUEL OIL-380 CST SINGAPORE (CARGOES)-PLATTS ASIA-PACIFIC MARKETSCAN | FUEL OIL-380 CST SINGAPOR |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| FUEL OIL-380 CST SINGAPORE (NON-CARGOES)-PLATTS OILGRAM BUNKERWIRE | FUEL OIL-380 CST SINGAPOR |
| FUEL OIL-NO. 6 0.3 PERCENT HP NEW YORK (BARGE)-PLATTS U.S. | FUEL OIL-NO. 6 0.3 PERCEN |
| FUEL OIL-NO. 6 0.3 PERCENT HP NEW YORK (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 0.3 PERCEN |
| FUEL OIL-NO. 6 0.3 PERCENT LP NEW YORK (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 0.3 PERCEN |
| FUEL OIL-NO. 6 0.7 PERCENT NEW YORK (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 0.7 PERCEN |
| FUEL OIL-NO. 6 1.0 PERCENT GULF COAST (WATERBORNE)-8 API-PLATTS U.S. | FUEL OIL-NO. 6 1.0 PERCEN |
| FUEL OIL-NO. 6 1.0 PERCENT NEW YORK (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 1.0 PERCEN |
| FUEL OIL-NO. 6 2.2 PERCENT RESIDUAL (BARGE)-PLATTS U.S. | FUEL OIL-NO. 6 2.2 PERCEN |
| FUEL OIL-NO. 6 2.2 PERCENT RESIDUAL (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 2.2 PERCEN |
| FUEL OIL-NO. 6 3.0 PERCENT GULF COAST (WATERBORNE)-PLATTS U.S. | FUEL OIL-NO. 6 3.0 PERCEN |
| FUEL OIL-NO. 6 3.0 PERCENT NEW YORK (CARGO)-PLATTS U.S. | FUEL OIL-NO. 6 3.0 PERCEN |
| GAS OIL - 50 PPM - BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | GAS OIL - 50 PPM - BARGES |
| GAS OIL-0.1 PERCENT CARGOESFOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | GAS OIL-0.1 PERCENT CARGO |
| GAS OIL-0.1 PERCENT-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | GAS OIL-0.1 PERCENT-BARGE |
| GAS OIL-0.1 PERCENT-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | GAS OIL-0.1 PERCENT-CARGO |
| GAS OIL-0.1 PERCENT-CARGOES FOB NWE-PLATTS EUROPEAN | GAS OIL-0.1 PERCENT-CARGO |
| GAS OIL-0.1 PERCENT-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN | GAS OIL-0.1 PERCENT-CIF M |
| GAS OIL-0.5 SINGAPORE-PLATTS ASIA-PACIFIC, | GAS OIL-0.5 SINGAPORE-PLA |
| GAS OIL-ICE GASOIL AVERAGE-ARGUS EUROPEAN PRODUCTS REPORT | GAS OIL-ICE GASOIL AVERAG |
| GAS OIL-ICE GASOIL AVERAGE-PLATTS EUROPEAN MARKETSCAN | GAS OIL-ICE GASOIL AVERAG |
| GAS OIL-ICE | GAS OIL-ICE |
| GAS OIL-LEICHTES HEIZOEL RHEINSCHIENE | GAS OIL-LEICHTES HEIZOEL |
| GAS OIL-TOCOM | GAS OIL-TOCOM |
| GASOIL - FOB ARAB GULF - PLATTS ASIA-PACIFIC | GASOIL - FOB ARAB GULF - |
| GASOIL 0.05 - FOB SINGAPORE - PLATTS ASIA-PACIFIC | GASOIL 0.05 - FOB SINGAPO |
| GASOIL 0.25 - FOB SINGAPORE - PLATTS ASIA-PACIFIC | GASOIL 0.25 - FOB SINGAPO |
| GASOIL 10PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC | GASOIL 10PPM - FOB SINGAP |
| GASOIL 50PPM - FOB SINGAPORE - PLATTS ASIA-PACIFIC | GASOIL 50PPM - FOB SINGAP |
| Gasoil-waterborne spot Tokyo bay rim intelligence products | Gasoil-waterborne spot To |
| GASOLINE 87M COLONIAL-ARGUS US PRODUCTS | GASOLINE 87M COLONIAL-ARG |
| GASOLINE- 10PPM -CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | GASOLINE- 10PPM -CARGOES |
| GASOLINE- MOGAS 95R UNL 10PPM-BARGES-ARGUS EUROPEAN PRODUCTS | GASOLINE- MOGAS 95R UNL 1 |
| GASOLINE-CARBOB-R LOS ANGELES (PIPELINE)-OPIS WEST COAST | GASOLINE-CARBOB-R LOS ANG |
| GASOLINE-CBOB GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-CBOB GULF COAST |
| GASOLINE-EUROBOB NON OXY-ARGUS EUROPEAN PRODUCTS | GASOLINE-EUROBOB NON OXY- |
| GASOLINE-EUROBOB OXY-BARGES -ARGUS EUROPEAN PRODUCTS | GASOLINE-EUROBOB OXY-BARG |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| GASOLINE-MOGAS 95R UNL 10PPM-CIF NWE-CARGOES-ARGUS EUROPEAN PRODUCTS | GASOLINE-MOGAS 95R UNL 10 |
| GASOLINE-PREM RBOB GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-PREM RBOB GULF C |
| GASOLINE-PREM UNL 93 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-PREM UNL 93 ULS |
| GASOLINE-PREMIUM CBOB NEW YORK HARBOR (FOB Barge)-PLATTS US MARKETSCAN | GASOLINE-PREMIUM CBOB NEW |
| GASOLINE-PREMIUM UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | GASOLINE-PREMIUM UNL 10 P |
| GASOLINE-PREMIUM UNL 10 PPM-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | GASOLINE-PREMIUM UNL 10 P |
| GASOLINE-PREMIUM UNL 10 PPM-CARGOES FOB NWE-PLATTS EUROPEAN MARKETSCAN | GASOLINE-PREMIUM UNL 10 P |
| GASOLINE-PREMIUM UNL 10 PPM-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | GASOLINE-PREMIUM UNL 10 P |
| GASOLINE-RBOB-NEW YORK-ICE | GASOLINE-RBOB-NEW YORK-IC |
| GASOLINE-RBOB-NEW YORK-NYMEX | GASOLINE-RBOB-NEW YORK-NY |
| GASOLINE-REGULAR (U.S.)-ENERGY INFORMATION ADMINISTRATION | GASOLINE-REGULAR (U.S.)-E |
| GASOLINE-REGULAR UNL 10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | GASOLINE-REGULAR UNL 10 P |
| GASOLINE-SUPER UNL 93 NEW YORK (BARGE)-PLATTS U.S. | GASOLINE-SUPER UNL 93 NEW |
| GASOLINE-TOCOM | GASOLINE-TOCOM |
| GASOLINE-UNL 87 GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL 87 GULF COAS |
| GASOLINE-UNL 87 GULF COAST (WATERBORNE)-PLATTS U.S. | GASOLINE-UNL 87 GULF COAS |
| GASOLINE-UNL 87 NEW YORK (BARGE)-PLATTS U.S. | GASOLINE-UNL 87 NEW YORK |
| GASOLINE-UNL 87 NEW YORK (CARGO)-PLATTS U.S. | GASOLINE-UNL 87 NEW YORK |
| GASOLINE-UNL 87 ULS 30 ATLANTA GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL 87 ULS 30 AT |
| GASOLINE-UNL 87 WEST COAST PIPELINE (LOS ANGELES)-PLATTS U.S. | GASOLINE-UNL 87 WEST COAS |
| GASOLINE-UNL 87-SUPPLEMENTAL GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL 87-SUPPLEMEN |
| GASOLINE-UNL 92 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC | GASOLINE-UNL 92 SINGAPORE |
| GASOLINE-UNL 93 GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL 93 GULF COAS |
| GASOLINE-UNL 93-SUPPLEMENTAL GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL 93-SUPPLEMEN |
| GASOLINE-UNL 95 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC | GASOLINE-UNL 95 SINGAPORE |
| GASOLINE-UNL 97 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC | GASOLINE-UNL 97 SINGAPORE |
| GASOLINE-UNL 98 SINGAPORE (MOGAS)-PLATTS ASIA PACIFIC | GASOLINE-UNL 98 SINGAPORE |
| GASOLINE-UNL RBOB GULF COAST (PIPELINE)-PLATTS U.S. | GASOLINE-UNL RBOB GULF CO |
| GASOLINE-UNLEADED RBOB NEW YORK (CARGO)-PLATTS U.S. | GASOLINE-UNLEADED RBOB NE |
| GASOLINE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS, | GASOLINE-WATERBORNE SPOT |
| GOLD-A.M. FIX (EUR) | GOLD-A.M. FIX (EUR) |
| GOLD-A.M. FIX (GBP) | GOLD-A.M. FIX (GBP) |
| GOLD-A.M. FIX | GOLD-A.M. FIX |
| GOLD-COMEX-SAFEX | GOLD-COMEX-SAFEX |
| GOLD-COMEX | GOLD-COMEX |
| GOLD-P.M. FIX (EUR) | GOLD-P.M. FIX (EUR) |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| GOLD-P.M. FIX (GBP) | GOLD-P.M. FIX (GBP) |
| GOLD-P.M. FIX | GOLD-P.M. FIX |
| GOLD-TOCOM | GOLD-TOCOM |
| GREASY WOOL (21 MICRON)-SFE | GREASY WOOL (21 MICRON)-S |
| GSCI TR@ | GSCI TR@ |
| HEATING OIL COLONIAL-ARGUS US PRODUCTS | HEATING OIL COLONIAL-ARGU |
| HEATING OIL-NEW YORK (BARGE)-PLATTS U.S. | HEATING OIL-NEW YORK (BAR |
| HEATING OIL-NEW YORK (CARGO)-PLATTS U.S. | HEATING OIL-NEW YORK (CAR |
| HEATING OIL-NEW YORK-ICE | HEATING OIL-NEW YORK-ICE |
| HEATING OIL-NEW YORK-NYMEX | HEATING OIL-NEW YORK-NYME |
| HEATING OIL-NO. 2 GULF COAST (PIPELINE)-PLATTS U.S. | HEATING OIL-NO. 2 GULF CO |
| HEATING OIL-NO. 2 GULF COAST (WATERBORNE)-PLATTS U.S. | HEATING OIL-NO. 2 GULF CO |
| HIGH SULPHUR FUEL OIL - 180 CST SINGAPORE - PLATTS ASIA-PACIFIC | HIGH SULPHUR FUEL OIL - 1 |
| HPDE HWM FILM-N.A.-CMAI | HPDE HWM FILM-N.A.-CMAI |
| HS6TC (Handysize Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - HANDYSIZE TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE | HS6TC (Handysize Dry Time |
| ICIS FD EU Contract Price Polyethylene | ICIS FD EU Contract Price |
| ICIS FD EU Domestic Prices Polypropylene | ICIS FD EU Domestic Price |
| IRANIAN LIGHT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | IRANIAN LIGHT FOB ARA CRA |
| IRIDIUM-COMDAQ (EUR) | IRIDIUM-COMDAQ (EUR) |
| IRIDIUM-COMDAQ (GBP) | IRIDIUM-COMDAQ (GBP) |
| IRIDIUM-COMDAQ (JPY) | IRIDIUM-COMDAQ (JPY) |
| IRIDIUM-COMDAQ | IRIDIUM-COMDAQ |
| IRIDIUM-HERAEUS | IRIDIUM-HERAEUS |
| IRIDIUM-JOHNSON MATTHEY | IRIDIUM-JOHNSON MATTHEY |
| IRON ORE- IODBZ00 IODEX 62% FeCFR CHINA | IRON ORE- IODBZ00 IODEX 6 |
| IRON ORE-FINES 62 PERCENT FE-QINGDAO-THE STEEL INDEX- | IRON ORE-FINES 62 PERCENT |
| IRON ORE-FINES 62 PERCENT FE-TIANJIN -THE STEEL INDEX | IRON ORE-FINES 62 PERCENT |
| IRON ORE-FINES 63.5/63 PERCENT FE-QINGDAO-THE STEEL INDEX- | IRON ORE-FINES 63.5/63 PE |
| IRON ORE-MB 63.5% METAL BULLETIN | IRON ORE-MB 63.5% METAL B |
| JET FUEL COLONIAL JET 54-ARGUS US PRODUCTS | JET FUEL COLONIAL JET 54- |
| JET FUEL COLONIAL JET 55 -ARGUS US PRODUCTS | JET FUEL COLONIAL JET 55 |
| JET FUEL- Chicago Jet - ARGUS US PRODUCTS REPORT | JET FUEL- Chicago Jet - A |
| JET FUEL- GROUP 3 JET Q - Prompt ARGUS US PRODUCTS | JET FUEL- GROUP 3 JET Q - |
| JET FUEL- Los Angeles Jet - ARGUS US PRODUCTS | JET FUEL- Los Angeles Jet |
| JET FUEL- NY Barges Jet 54 - Prompt- ARGUS US PRODUCTS | JET FUEL- NY Barges Jet 5 |
| JET FUEL- NY Barges Jet 55 - Prompt- ARGUS US PRODUCTS | JET FUEL- NY Barges Jet 5 |
| JET FUEL-ASIA-PACIFIC (KERO)-PLATTS ASIA-PACIFIC | JET FUEL-ASIA-PACIFIC (KE |
| JET FUEL-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | JET FUEL-BARGES FOB ROTTE |
| JET FUEL-BARGES-NWE-ARGUS EUROPEAN PRODUCTS | JET FUEL-BARGES-NWE-ARGUS |
| JET FUEL-BUCKEYE-PLATTS U.S. | JET FUEL-BUCKEYE-PLATTS U |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| JET FUEL-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | JET FUEL-CARGOES CIF NWE/ |
| JET FUEL-CARGOES-CIF-NWE-ARGUS EUROPEAN PRODUCTS | JET FUEL-CARGOES-CIF-NWE- |
| JET FUEL-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | JET FUEL-FOB MED (ITALY)- |
| JET FUEL-FOB-NWE-ARGUS EUROPEAN PRODUCTS | JET FUEL-FOB-NWE-ARGUS EU |
| JET FUEL-FOB-WEST MED-ARGUS EUROPEAN PRODUCTS | JET FUEL-FOB-WEST MED-ARG |
| JET FUEL-JET 54 GULF COAST (PIPELINE)-PLATTS U.S. | JET FUEL-JET 54 GULF COAS |
| JET FUEL-JET 54 GULF COAST (WATERBORNE)-PLATTS U.S. | JET FUEL-JET 54 GULF COAS |
| JET FUEL-JET 55 GULF COAST (PIPELINE)-PLATTS U.S. | JET FUEL-JET 55 GULF COAS |
| JET FUEL-JET 55 GULF COAST (WATERBORNE)-PLATTS U.S. | JET FUEL-JET 55 GULF COAS |
| JET FUEL-LOS ANGELES (PIPELINE)-OPIS WEST COAST | JET FUEL-LOS ANGELES (PIP |
| JET FUEL-Midwest Chicago: Jet -PLATTS U.S. | JET FUEL-Midwest Chicago: |
| JET FUEL-Midwest Group 3: Jet -PLATTS U.S. | JET FUEL-Midwest Group 3: |
| JET FUEL-NEW YORK (BARGE) Low Sulfur Jet -PLATTS U.S. | JET FUEL-NEW YORK (BARGE) |
| JET FUEL-NEW YORK (BARGE)-PLATTS U.S. | JET FUEL-NEW YORK (BARGE) |
| JET FUEL-WEST COAST LOS ANGELES (PIPELINE)-PLATTS U.S. | JET FUEL-WEST COAST LOS A |
| KEROSENE - FOR ARAB GULF - PLATTS ASIA PACIFIC | KEROSENE - FOR ARAB GULF |
| KEROSENE-TOCOM | KEROSENE-TOCOM |
| KEROSENE-WATERBORNE SPOT TOKYO BAY-RIM INTELLIGENCE PRODUCTS | KEROSENE-WATERBORNE SPOT |
| KIRKUK LIGHT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | KIRKUK LIGHT FOB ARA CRAC |
| KUWAIT FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | KUWAIT FOB ARA CRACK NETB |
| LEAD-LME 15 MONTH | LEAD-LME 15 MONTH |
| LEAD-LME 3 MONTH | LEAD-LME 3 MONTH |
| LEAD-LME CASH | LEAD-LME CASH |
| LEAN HOGS-CME | LEAN HOGS-CME |
| LIVE CATTLE-CME | LIVE CATTLE-CME |
| Low Density Polyethylene General Purpose - Platts Polymerscan, | Low Density Polyethylene |
| LUMBER-CME | LUMBER-CME |
| MATIF MAIZE | MATIF MAIZE |
| MILK-CLASS III-CME | MILK-CLASS III-CME |
| MILK-CLASS IV-CME | MILK-CLASS IV-CME |
| MILK-NONFAT-DRY-CME | MILK-NONFAT-DRY-CME |
| MILK-WMP-NXZ | MILK-WMP-NXZ |
| MILLING WHEAT - MATIF | MILLING WHEAT - MATIF |
| MILLING WHEAT-EURONEXT LIFFE | MILLING WHEAT-EURONEXT LI |
| MOLYBDENUM - LME - 3 MONTH | MOLYBDENUM - LME - 3 MONT |
| MOLYBDENUM - LME - CASH | MOLYBDENUM - LME - CASH |
| MOLYBDENUM - PLATTS METALS WEEK:: | MOLYBDENUM - PLATTS METAL |
| MOLYBDENUM-LME 15 month | MOLYBDENUM-LME 15 month |
| MOLYBDENUM-LME 3 month | MOLYBDENUM-LME 3 month |
| MOP-CFR BRAZIL-FMB | MOP-CFR BRAZIL-FMB |
| MOP-CFR EUROPE-FMB | MOP-CFR EUROPE-FMB |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| MOP-CFR SE ASIA-FMB | MOP-CFR SE ASIA-FMB |
| MOP-FOB FSU-FMB | MOP-FOB FSU-FMB |
| MOP-FOB VANCOUVER-FMB | MOP-FOB VANCOUVER-FMB |
| MTBE-GULF COAST (WATERBORNE)-PLATTS U.S. | MTBE-GULF COAST (WATERBOR |
| MURBAN FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | MURBAN FOB ARA CRACK NETB |
| NAPHTHA - FOR ARAB GULF - PLATTS ASIA-PACIFIC | NAPHTHA - FOR ARAB GULF - |
| NAPHTHA JAPAN (C+F)-PLATTS ASIA PACIFIC | NAPHTHA JAPAN (C+F)-PLATT |
| NAPHTHA-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN | NAPHTHA-CIF MED (GENOVA/L |
| NAPHTHA-FOB MED (ITALY)-PLATTS EUROPEAN MARKETSCAN | NAPHTHA-FOB MED (ITALY)-P |
| NAPHTHA-GULF COAST (WATERBORNE)-PLATTS U.S. | NAPHTHA-GULF COAST (WATER |
| NAPHTHA-PHYSICAL-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | NAPHTHA-PHYSICAL-BARGES F |
| NAPHTHA-PHYSICAL-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | NAPHTHA-PHYSICAL-CARGOES |
| NAPHTHA-SINGAPORE-PLATTS ASIA-PACIFIC | NAPHTHA-SINGAPORE-PLATTS |
| NASAAC-LME 15 MONTH | NASAAC-LME 15 MONTH |
| NASAAC-LME 27 MONTH | NASAAC-LME 27 MONTH |
| NASAAC-LME 3 MONTH | NASAAC-LME 3 MONTH |
| NASAAC-LME CASH | NASAAC-LME CASH |
| NATURAL GAS - MAINLINE (CGTC) - INSIDE FERC | NATURAL GAS - MAINLINE (C |
| NATURAL GAS - TEXAS (KOCH) - INSIDE FERC | NATURAL GAS - TEXAS (KOCH |
| NATURAL GAS-AECO (\$CAD/GJ)-NGX | NATURAL GAS-AECO (\$CAD/GJ |
| NATURAL GAS-AECO C-NIT (CAD/GJ)-CANADIAN GAS PRICE REPORTER-MONTHLY | NATURAL GAS-AECO C-NIT (C |
| NATURAL GAS-AECO C/NIT (CAD/GJ) - CANADIAN GAS PRICE REPORTER - 5A DAILY | NATURAL GAS-AECO C/NIT (C |
| NATURAL GAS-ALBERTA NATURAL GAS CO. & PG&E GAS TRANSMISSIONS-NORTHWEST INTERCONNECT-MONTH AHEAD-ICE | NATURAL GAS-ALBERTA NATUR |
| NATURAL GAS-ALBERTA, NOVA INVENTORY TRANSFER (AECO)-MONTH AHEAD-ICE | NATURAL GAS-ALBERTA, NOVA |
| NATURAL GAS-ALGONQUIN CITYGATES-DAY AHEAD-ICE- | NATURAL GAS-ALGONQUIN CIT |
| NATURAL GAS-ALGONQUIN GAS TRANSMISSIONS CO.-CITYGATES-MONTH AHEAD-ICE | NATURAL GAS-ALGONQUIN GAS |
| NATURAL GAS-ALLIANCE DELIVERED-DAY AHEAD-ICE | NATURAL GAS-ALLIANCE DELI |
| NATURAL GAS-ALLIANCE PIPELINE CO.-INTO INTERSTATES (ANR, NICOR, NGPL, MIDWESTERN, UDEL, VECTOR)-MONTH AHEAD-ICE | NATURAL GAS-ALLIANCE PIPE |
| NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SE TRANSMISSION & GATHERING POOL-MONTH AHEAD-ICE | NATURAL GAS-AMERICAN NATU |
| NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SW POOL-MONTH AHEAD-ICE | NATURAL GAS-AMERICAN NATU |
| NATURAL GAS-AMERICAN NATURAL RESOURCES PIPELINE CO.-SE GATHERING POOL-MONTH AHEAD-ICE | NATURAL GAS-AMERICAN NATU |
| NATURAL GAS-ANR (LOUISIANA)-INSIDE FERC | NATURAL GAS-ANR (LOUISIAN |
| NATURAL GAS-ANR (OKLAHOMA)-INSIDE FERC | NATURAL GAS-ANR (OKLAHOMA |
| NATURAL GAS-ANR-SE T-ICE DAY AHEAD | NATURAL GAS-ANR-SE T-ICE |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| NATURAL GAS-ANR-SW-DAY AHEAD-ICE | NATURAL GAS-ANR-SW-DAY AH |
| NATURAL GAS-APPALACHIA (COLUMBIA GAS)-GAS DAILY | NATURAL GAS-APPALACHIA (C |
| NATURAL GAS-APPALACHIA (DOMINION, NORTH POINT)-GAS DAILY | NATURAL GAS-APPALACHIA (D |
| NATURAL GAS-APPALACHIA (DOMINION, SOUTH POINT)-GAS DAILY | NATURAL GAS-APPALACHIA (D |
| NATURAL GAS-APPALACHIA (LEBANON HUB)-GAS DAILY | NATURAL GAS-APPALACHIA (L |
| NATURAL GAS-APPALACHIA (LEIDY HUB)-GAS DAILY | NATURAL GAS-APPALACHIA (L |
| NATURAL GAS-CALIFORNIA (MALIN)-NGI | NATURAL GAS-CALIFORNIA (M |
| NATURAL GAS-CALIFORNIA (PG&E CITY-GATE)-INSIDE FERC | NATURAL GAS-CALIFORNIA (P |
| NATURAL GAS-CALIFORNIA (PG&E CITYGATE)-NGI | NATURAL GAS-CALIFORNIA (P |
| NATURAL GAS-CALIFORNIA (PG&E MALIN, ORE.)-INSIDE FERC | NATURAL GAS-CALIFORNIA (P |
| NATURAL GAS-CALIFORNIA (PG&E SOUTH)-INSIDE FERC | NATURAL GAS-CALIFORNIA (P |
| NATURAL GAS-CALIFORNIA (SOCAL CITYGATE)-INSIDE FERC | NATURAL GAS-CALIFORNIA (S |
| NATURAL GAS-CALIFORNIA (SOCAL CITYGATE)-NGI | NATURAL GAS-CALIFORNIA (S |
| NATURAL GAS-CALIFORNIA (SOUTHERN BORDER, PG&E)-NGI | NATURAL GAS-CALIFORNIA (S |
| NATURAL GAS-CALIFORNIA (SOUTHERN CALIFORNIA BDR. AVG.)-NGI | NATURAL GAS-CALIFORNIA (S |
| NATURAL GAS-CALIFORNIA (SOUTHERN CALIFORNIA GAS CO.)-INSIDE FERC | NATURAL GAS-CALIFORNIA (S |
| NATURAL GAS-CANADIAN GAS (DAWN)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (EMERSON, VIKING GL)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (IROQUOIS)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (KINGSGATE)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (NIAGARA)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (NORTHWEST SUMAS)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (TCPL ALBERTA-AECO-C)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CANADIAN GAS (WESTCOAST, STATION 2)-GAS DAILY | NATURAL GAS-CANADIAN GAS |
| NATURAL GAS-CARTHAGE HUB-TAILGATE-MONTH AHEAD-ICE | NATURAL GAS-CARTHAGE HUB- |
| NATURAL GAS-CARTHAGE-DAY AHEAD-ICE | NATURAL GAS-CARTHAGE-DAY |
| NATURAL GAS-CEGH DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-CEGH DAY AHEA |
| NATURAL GAS-CEGH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-CEGH DAY AHEA |
| NATURAL GAS-CEGH-MONTH AHEAD INDEX-LEBA | NATURAL GAS-CEGH-MONTH AH |
| NATURAL GAS-CEGT WEST-DAY AHEAD-ICE | NATURAL GAS-CEGT WEST-DAY |
| NATURAL GAS-CEGT- FLEX-DAY AHEAD-ICE | NATURAL GAS-CEGT- FLEX-DA |
| NATURAL GAS-CENTERPOINT (EAST)-INSIDE FERC | NATURAL GAS-CENTERPOINT (|
| NATURAL GAS-CENTERPOINT ENERGY GAS TRANSMISSION CO.-EAST (GENERIC-NORTH, SOUTH OR FLEX)-MONTH AHEAD-ICE | NATURAL GAS-CENTERPOINT E |
| NATURAL GAS-CENTERPOINT-WEST (GENERIC-W1 OR W2)-MONTH AHEAD-ICE | NATURAL GAS-CENTERPOINT-W |
| NATURAL GAS-CG MAINLINE-DAY AHEAD-ICE -NATURAL GAS | NATURAL GAS-CG MAINLINE-D |
| NATURAL GAS-CG ONSHORE-DAY AHEAD-ICE | NATURAL GAS-CG ONSHORE-DA |
| NATURAL GAS-CHEYENNE HUB-MONTH AHEAD-ICE | NATURAL GAS-CHEYENNE HUB- |
| NATURAL GAS-CHEYENNE-DAY AHEAD-ICE | NATURAL GAS-CHEYENNE-DAY |
| NATURAL GAS-CHICAGO CITYGATES-DAY AHEAD-ICE | NATURAL GAS-CHICAGO CITYG |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| NATURAL GAS-CIG (ROCKY MOUNTAINS)-INSIDE FERC | NATURAL GAS-CIG (ROCKY MO |
| NATURAL GAS-CIG MAINLINE-DAY AHEAD-ICE | NATURAL GAS-CIG MAINLINE- |
| NATURAL GAS-CITYGATES (ALGONQUIN)-GAS DAILY | NATURAL GAS-CITYGATES (AL |
| NATURAL GAS-CITYGATES (CHICAGO)-GAS DAILY | NATURAL GAS-CITYGATES (CH |
| NATURAL GAS-CITYGATES (CONSUMERS ENERGY)-GAS DAILY | NATURAL GAS-CITYGATES (CO |
| NATURAL GAS-CITYGATES (FLORIDA)-GAS DAILY | NATURAL GAS-CITYGATES (FL |
| NATURAL GAS-CITYGATES (IROQUOIS ZONE 2)-GAS DAILY | NATURAL GAS-CITYGATES (IR |
| NATURAL GAS-CITYGATES (KERN RIVER)-GAS DAILY | NATURAL GAS-CITYGATES (KE |
| NATURAL GAS-CITYGATES (MICH CON)-GAS DAILY | NATURAL GAS-CITYGATES (MI |
| NATURAL GAS-CITYGATES (PG&E)-GAS DAILY | NATURAL GAS-CITYGATES (PG |
| NATURAL GAS-CITYGATES (SOCAL)-GAS DAILY | NATURAL GAS-CITYGATES (SO |
| NATURAL GAS-CITYGATES (TENNESSEE ZONE 6)-GAS DAILY | NATURAL GAS-CITYGATES (TE |
| NATURAL GAS-CITYGATES (TEXAS EASTERN ZONE M-3)-GAS DAILY | NATURAL GAS-CITYGATES (TE |
| NATURAL GAS-CITYGATES (TRANSCO ZONE 5 DELIVERED)-GAS DAILY | NATURAL GAS-CITYGATES (TR |
| NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NON-NY)-GAS DAILY | NATURAL GAS-CITYGATES (TR |
| NATURAL GAS-CITYGATES (TRANSCO ZONE 6 NY)-GAS DAILY | NATURAL GAS-CITYGATES (TR |
| NATURAL GAS-COL GAS TCO-DAY AHEAD-ICE | NATURAL GAS-COL GAS TCO-D |
| NATURAL GAS-COLORADO INTERSTATE GAS COMPANY-MAINLINE-MONTH AHEAD-ICE | NATURAL GAS-COLORADO INTE |
| NATURAL GAS-COLUMBIA GAS (APPALACHIA)-INSIDE FERC | NATURAL GAS-COLUMBIA GAS |
| NATURAL GAS-COLUMBIA GAS CO.-TCO POOL (APPALACHIA)-MONTH AHEAD-ICE | NATURAL GAS-COLUMBIA GAS |
| NATURAL GAS-COLUMBIA GULF (LOUISIANA)-INSIDE FERC | NATURAL GAS-COLUMBIA GULF |
| NATURAL GAS-COLUMBIA GULF (MAINLINE)-INSIDE FERC | NATURAL GAS-COLUMBIA GULF |
| NATURAL GAS-COLUMBIA GULF TRANSMISSION CO.-MAINLINE POOL-MONTH AHEAD-ICE | NATURAL GAS-COLUMBIA GULF |
| NATURAL GAS-COLUMBIA GULF TRANSMISSION CO.-ONSHORE POOL-MONTH AHEAD-ICE | NATURAL GAS-COLUMBIA GULF |
| NATURAL GAS-CONSUMERS ENERGY CITYGATE-MONTH AHEAD-ICE | NATURAL GAS-CONSUMERS ENE |
| NATURAL GAS-CONSUMERS-DAY AHEAD-ICE | NATURAL GAS-CONSUMERS-DAY |
| NATURAL GAS-DEMARC-DAY AHEAD-ICE | NATURAL GAS-DEMARC-DAY AH |
| NATURAL GAS-DOMINION (APPALACHIA)-INSIDE FERC | NATURAL GAS-DOMINION (APP |
| NATURAL GAS-DOMINION SOUTH-DAY AHEAD-ICE | NATURAL GAS-DOMINION SOUT |
| NATURAL GAS-DOMINION-SOUTH POINT-MONTH AHEAD-ICE | NATURAL GAS-DOMINION-SOUT |
| NATURAL GAS-DRACUT-DAY AHEAD-ICE | NATURAL GAS-DRACUT-DAY AH |
| NATURAL GAS-E. HOUSTON-KATY (HOUSTON SHIP CHANNEL)-GAS DAILY | NATURAL GAS-E. HOUSTON-KA |
| NATURAL GAS-E. HOUSTON-KATY (KATY)-GAS DAILY | NATURAL GAS-E. HOUSTON-KA |
| NATURAL GAS-E. TEXAS (HOUSTON SHIP CHANNEL)-INSIDE FERC | NATURAL GAS-E. TEXAS (HOU |
| NATURAL GAS-E. TEXAS (KATY)-INSIDE FERC | NATURAL GAS-E. TEXAS (KAT |
| NATURAL GAS-EAST TEXAS (CARTHAGE)-GAS DAILY | NATURAL GAS-EAST TEXAS (C |
| NATURAL GAS-EAST TEXAS (NGPL TEXOK)-GAS DAILY | NATURAL GAS-EAST TEXAS (N |
| NATURAL GAS-EAST TEXAS (TEXAS EASTERN ETX)-GAS DAILY | NATURAL GAS-EAST TEXAS (T |
| NATURAL GAS-EAST TEXAS (TEXAS GAS ZONE 1)-GAS DAILY | NATURAL GAS-EAST TEXAS (T |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| NATURAL GAS-EL PASO (PERMIAN BASIN)-INSIDE FERC | NATURAL GAS-EL PASO (PERM |
| NATURAL GAS-EL PASO (SAN JUAN BASIN)-INSIDE FERC | NATURAL GAS-EL PASO (SAN |
| NATURAL GAS-EL PASO-KEystone POOL-MONTH AHEAD-ICE | NATURAL GAS-EL PASO-KEYST |
| NATURAL GAS-EL PASO-SAN JUAN BASIN, BLANCO POOL (NON-BONDAD)-MONTH AHEAD-ICE | NATURAL GAS-EL PASO-SAN J |
| NATURAL GAS-EMERSON (\$CAD/GJ)-NGX | NATURAL GAS-EMERSON (\$CAD |
| NATURAL GAS-EMPRESS (\$US/MMBTU)-NGX | NATURAL GAS-EMPRESS (\$US/ |
| NATURAL GAS-EP-PERMIAN (KEYSTONE POOL, WAHA POOL)-MONTH AHEAD-ICE | NATURAL GAS-EP-PERMIAN (K |
| NATURAL GAS-EP-PERMIAN-DAY AHEAD-ICE | NATURAL GAS-EP-PERMIAN-DA |
| NATURAL GAS-EP-SOUTH MAINLINE-DAY AHEAD-ICE | NATURAL GAS-EP-SOUTH MAIN |
| NATURAL GAS-EUR-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-EUR-ZEEBRUGGE |
| NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-EUR-ZEEBRUGGE |
| NATURAL GAS-EUR-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-EUR-ZEEBRUGGE |
| NATURAL GAS-EUR-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-EUR-ZEEBRUGGE |
| NATURAL GAS-FGT-Z1-DAY AHEAD-ICE | NATURAL GAS-FGT-Z1-DAY AH |
| NATURAL GAS-FGT-Z2-DAY AHEAD-ICE | NATURAL GAS-FGT-Z2-DAY AH |
| NATURAL GAS-FGT-Z3-DAY AHEAD-ICE | NATURAL GAS-FGT-Z3-DAY AH |
| NATURAL GAS-FLORIDA GAS (ZONE 1)-INSIDE FERC | NATURAL GAS-FLORIDA GAS (|
| NATURAL GAS-FLORIDA GAS (ZONE 2)-INSIDE FERC | NATURAL GAS-FLORIDA GAS (|
| NATURAL GAS-FLORIDA GAS (ZONE 3)-INSIDE FERC | NATURAL GAS-FLORIDA GAS (|
| NATURAL GAS-FLORIDA GAS TRANSMISSION-ZONE 2-MONTH AHEAD-ICE | NATURAL GAS-FLORIDA GAS T |
| NATURAL GAS-FLORIDA GAS TRANSMISSION-ZONE 3-MONTH AHEAD-ICE | NATURAL GAS-FLORIDA GAS T |
| NATURAL GAS-GASPOOL-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-GASPOOL-DAY A |
| NATURAL GAS-GASPOOL-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-GASPOOL-MONTH |
| NATURAL GAS-GERMANY MONTHLY AVERAGE-EEX | NATURAL GAS-GERMANY MONTH |
| NATURAL GAS-GPI DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-GPI DAY AHEAD |
| NATURAL GAS-GPI DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-GPI DAY AHEAD |
| NATURAL GAS-GPI-MONTH AHEAD INDEX-LEBA | NATURAL GAS-GPI-MONTH AHE |
| NATURAL GAS-HENRY HUB-TAILGATE, LOUISIANA-MONTH AHEAD-ICE | NATURAL GAS-HENRY HUB-TAI |
| NATURAL GAS-HENRY-DAY AHEADICE | NATURAL GAS-HENRY-DAY AHE |
| NATURAL GAS-HOUSTON SHIP CHANNEL-DAY AHEAD-ICE | NATURAL GAS-HOUSTON SHIP |
| NATURAL GAS-HOUSTON SHIP CHANNEL-HOUSTON PIPE LINE POOL-MONTH AHEAD-ICE | NATURAL GAS-HOUSTON SHIP |
| NATURAL GAS-ICE-NBP NATURAL GAS INDEX-ICE | NATURAL GAS-ICE-NBP NATUR |
| NATURAL GAS-IROQUOIS (\$US/MMBTU)-NGX | NATURAL GAS-IROQUOIS (\$US |
| NATURAL GAS-IROQUOIS-Z2-DAY AHEAD-ICE | NATURAL GAS-IROQUOIS-Z2-D |
| NATURAL GAS-IROQUOIS-ZONE 1-MONTH AHEAD-ICE | NATURAL GAS-IROQUOIS-ZONE |
| NATURAL GAS-IROQUOIS-ZONE 2-MONTH AHEAD-ICE | NATURAL GAS-IROQUOIS-ZONE |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| NATURAL GAS-KATY (EXXON, OASIS, LONESTAR INTA/INTER, PPM STORAGE (INJ/WD)-MONTH AHEAD-ICE | NATURAL GAS-KATY (EXXON, |
| NATURAL GAS-KATY-DAY AHEAD-ICE- | NATURAL GAS-KATY-DAY AHEA |
| NATURAL GAS-KERN RIVER (WYOMING)-INSIDE FERC | NATURAL GAS-KERN RIVER (W |
| NATURAL GAS-KERN RIVER GAS TRANSMISSION CO-- ON SYSTEM DELIVERY (NON-WHEELER, NON-KRAMER JUNCTION, NON-DAGGETT)-MONTH AHEAD-ICE | NATURAL GAS-KERN RIVER GA |
| NATURAL GAS-KERN RIVER GAS TRANSMISSION-ON SYSTEM RECEIPT-MONTH AHEAD-ICE | NATURAL GAS-KERN RIVER GA |
| NATURAL GAS-KINGSGATE-DAY AHEAD-ICE | NATURAL GAS-KINGSGATE-DAY |
| NATURAL GAS-KRGT-DEL POOL-DAY AHEAD-ICE | NATURAL GAS-KRGT-DEL POOL |
| NATURAL GAS-KRGT-REC POOL-DAY AHEAD-ICE | NATURAL GAS-KRGT-REC POOL |
| NATURAL GAS-LOUISIANA (ANR)-GAS DAILY | NATURAL GAS-LOUISIANA (AN |
| NATURAL GAS-LOUISIANA (COLUMBIA GULF MAINLINE)-GAS DAILY | NATURAL GAS-LOUISIANA (CO |
| NATURAL GAS-LOUISIANA (COLUMBIA GULF)-GAS DAILY | NATURAL GAS-LOUISIANA (CO |
| NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 1)-GAS DAILY | NATURAL GAS-LOUISIANA (FL |
| NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 2)-GAS DAILY | NATURAL GAS-LOUISIANA (FL |
| NATURAL GAS-LOUISIANA (FLORIDA GAS ZONE 3)-GAS DAILY | NATURAL GAS-LOUISIANA (FL |
| NATURAL GAS-LOUISIANA (HENRY HUB)-GAS DAILY | NATURAL GAS-LOUISIANA (HE |
| NATURAL GAS-LOUISIANA (NGPL)-GAS DAILY | NATURAL GAS-LOUISIANA (NG |
| NATURAL GAS-LOUISIANA (SOUTHERN NATURAL)-GAS DAILY | NATURAL GAS-LOUISIANA (SO |
| NATURAL GAS-LOUISIANA (TENNESSEE, 500 LEG)-GAS DAILY | NATURAL GAS-LOUISIANA (TE |
| NATURAL GAS-LOUISIANA (TENNESSEE, 800 LEG)-GAS DAILY | NATURAL GAS-LOUISIANA (TE |
| NATURAL GAS-LOUISIANA (TEXAS EASTERN, ELA)-GAS DAILY | NATURAL GAS-LOUISIANA (TE |
| NATURAL GAS-LOUISIANA (TEXAS EASTERN, WLA)-GAS DAILY | NATURAL GAS-LOUISIANA (TE |
| NATURAL GAS-LOUISIANA (TEXAS GAS ZONE SL)-GAS DAILY | NATURAL GAS-LOUISIANA (TE |
| NATURAL GAS-LOUISIANA (TRANSCO ZONE 2)-GAS DAILY | NATURAL GAS-LOUISIANA (TR |
| NATURAL GAS-LOUISIANA (TRANSCO ZONE 3)-GAS DAILY | NATURAL GAS-LOUISIANA (TR |
| NATURAL GAS-LOUISIANA (TRUNKLINE ELA)-GAS DAILY | NATURAL GAS-LOUISIANA (TR |
| NATURAL GAS-LOUISIANA (TRUNKLINE WLA) -GAS DAILY | NATURAL GAS-LOUISIANA (TR |
| NATURAL GAS-LOUISIANA-NATURAL GAS WEEK | NATURAL GAS-LOUISIANA-NAT |
| NATURAL GAS-MALIN-DAY AHEAD-ICE | NATURAL GAS-MALIN-DAY AHE |
| NATURAL GAS-MARITIMES & TENNESSEE GAS PIPELINE CO.-DRACUT INTERCONNECT-MONTH AHEAD-ICE | NATURAL GAS-MARITIMES & T |
| NATURAL GAS-MICHCON-DAY AHEAD-ICE | NATURAL GAS-MICHCON-DAY A |
| NATURAL GAS-MICHIGAN CONSOLIDATED CITYGATE-MONTH AHEAD-ICE | NATURAL GAS-MICHIGAN CONS |
| NATURAL GAS-MIDCONTINENT (NGPL)-INSIDE FERC | NATURAL GAS-MIDCONTINENT |
| NATURAL GAS-MIDCONTINENT (NGPL)-NGI | NATURAL GAS-MIDCONTINENT |
| NATURAL GAS-MIDWEST (CHICAGO CITYGATE)-NGI | NATURAL GAS-MIDWEST (CHIC |
| NATURAL GAS-MISS-ALA (TEXAS EASTERN M-1, KOSI)-GAS DAILY | NATURAL GAS-MISS-ALA (TEX |
| NATURAL GAS-MISS-ALA (TRANSCO ZONE 4)-GAS DAILY | NATURAL GAS-MISS-ALA (TRA |
| NATURAL GAS-MONTHLY INDEX ALGONQUIN CITY-GATES-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ANR ML 7-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| NATURAL GAS-MONTHLY INDEX APPALACHIA (COLUMBIA GAS)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX APPALACHIA (DOMINION)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX CANADIAN BORDER (NWPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX CHICAGO CITY-GATES-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX DAWN ONTARIO-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX DEMARCATION (NNG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX E. LOUISIANA (TETCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX E. TEXAS (HOUSTON SHIP CHANNEL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX E. TEXAS (KATY)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX E. TEXAS (TETCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX EAST (CENTERPOINT)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (ANR)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (COLUMBIA GULF)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (NGPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (SOUTHERN NATURAL)-INSIDE FERC | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (TENNESSEE 500 LEG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (TENNESSEE 800 LEG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX LOUISIANA (TRUNKLINE)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX MICH CON CITY-GATE-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX MIDCONTINENT (NGPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX MISS/ALA (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX MISSISSIPPI (MAINLINE)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX NIAGARA-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX OKLAHOMA (ANR)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX OKLAHOMA (ONG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX PERMIAN BASIN (EL PASO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-MONTHLY INDEX PERMIAN BASIN (TRANSWESTERN)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ROCKIES/NW (STANFIELD)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ROCKIES/NW NOVA (AECCO-C)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ROCKY MOUNTAINS (CIGC)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ROCKY MOUNTAINS (QUESTAR)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ROCKYMTNS (NWPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX S. LOUISIANA (HENRY HUB)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX S. LOUISIANA/EAST SIDE (GULF SOUTH)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX S. TEXAS (TETCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX SAN JUAN BASIN (EL PASO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX SOUTH TEXAS (NGPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEX/OKL MAINLINE (PEPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEX/OKLA/KAN (NNG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEX/OKLA/KAN (SOUTHERN)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEXAS (TENNESSEE ZONE 0)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEXAS (TRUNKLINE)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX TEXOK (NGPL)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX VENTURA (NNG)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX W. LOUISIANA (TETCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX W. TEXAS (WAHA)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX WYOMING (KERN RIVER)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 1 (FGTC)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 1 (TGT)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 1 (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 2 (FGTC)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 2 (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 3 (FGTC)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-MONTHLY INDEX ZONE 3 (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 6 DELIVERED (TENNESSEE)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 6 NON-NY (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE 6 NY (TRANSCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE M-3 (TETCO)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-MONTHLY INDEX ZONE SL (TGT)-GAS DAILY PRICE GUIDE | NATURAL GAS-MONTHLY INDEX |
| NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-AMARILLO POOLING PIN-MONTH AHEAD-ICE | NATURAL GAS-NATURAL GAS P |
| NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-LOUISIANA POOLING PIN-MONTH AHEAD-ICE | NATURAL GAS-NATURAL GAS P |
| NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-MID-CONTINENT POOLING PIN-MONTH AHEAD-ICE | NATURAL GAS-NATURAL GAS P |
| NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA-TXOK EAST POOL (GULF COAST)-MONTH AHEAD-ICE | NATURAL GAS-NATURAL GAS P |
| NATURAL GAS-NATURAL GAS PIPELINE CO. OF AMERICA, SOUTH TEXAS POOL-MONTH AHEAD-ICE | NATURAL GAS-NATURAL GAS P |
| NATURAL GAS-NBP MONTHLY-HEREN | NATURAL GAS-NBP MONTHLY-H |
| NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-NBP-DAY AHEAD |
| NATURAL GAS-NBP-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-NBP-DAY AHEAD |
| NATURAL GAS-NBP-DAY AHEAD INDEX-HEREN | NATURAL GAS-NBP-DAY AHEAD |
| NATURAL GAS-NBP-DAY AHEAD-ARGUS EUROPEAN NAT GAS | NATURAL GAS-NBP-DAY AHEAD |
| NATURAL GAS-NBP-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-NBP-MONTH AHE |
| NATURAL GAS-NBP-PLATTS ENGR | NATURAL GAS-NBP-PLATTS EN |
| NATURAL GAS-NBPL (VENTURA TP)-INSIDE FERC | NATURAL GAS-NBPL (VENTURA |
| NATURAL GAS-NCG DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-NCG DAY AHEAD |
| NATURAL GAS-NCG DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-EEX | NATURAL GAS-NCG DAY AHEAD |
| NATURAL GAS-NCG DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-NCG DAY AHEAD |
| NATURAL GAS-NCG MONTHLY AVERAGE-EEX | NATURAL GAS-NCG MONTHLY A |
| NATURAL GAS-NCG-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-NCG-DAY AHEAD |
| NATURAL GAS-NCG-MONTH AHEAD INDEX-LEBA | NATURAL GAS-NCG-MONTH AHE |
| NATURAL GAS-NCG-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-NCG-MONTH AHE |
| NATURAL GAS-NCG-MONTHLY PRICE-HEREN | NATURAL GAS-NCG-MONTHLY P |
| NATURAL GAS-NEW MEXICO (EL PASO, BONDAD)-GAS DAILY | NATURAL GAS-NEW MEXICO (E |
| NATURAL GAS-NEW MEXICO (EL PASO, SAN JUAN)-GAS DAILY | NATURAL GAS-NEW MEXICO (E |
| NATURAL GAS-NGPL (LOUISIANA)-INSIDE FERC | NATURAL GAS-NGPL (LOUISIA |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-NGPL (NICOR, NIPSCO, PGLC CITYGATE), NBPL-NICOR-MONTH AHEAD-ICE | NATURAL GAS-NGPL (NICOR, |
| NATURAL GAS-NGPL (SOUTH TEXAS)-INSIDE FERC | NATURAL GAS-NGPL (SOUTH T |
| NATURAL GAS-NGPL (TEXOK)-INSIDE FERC | NATURAL GAS-NGPL (TEXOK)- |
| NATURAL GAS-NGPL-AMARILLO-DAY AHEAD-ICE | NATURAL GAS-NGPL-AMARILLO |
| NATURAL GAS-NGPL-LA POOL-DAY AHEAD-ICE | NATURAL GAS-NGPL-LA POOL- |
| NATURAL GAS-NGPL-MIDCONT-DAY AHEAD-ICE | NATURAL GAS-NGPL-MIDCONT- |
| NATURAL GAS-NGPL-STX-DAY AHEAD-ICE | NATURAL GAS-NGPL-STX-DAY |
| NATURAL GAS-NGX AB-NIT BIDWEEK (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT BI |
| NATURAL GAS-NGX AB-NIT BIDWEEK (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT BI |
| NATURAL GAS-NGX AB-NIT DAY AHEAD (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT DA |
| NATURAL GAS-NGX AB-NIT DAY AHEAD (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT DA |
| NATURAL GAS-NGX AB-NIT MONTH AHEAD INDEX 7A (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT MO |
| NATURAL GAS-NGX AB-NIT MONTH AHEAD INDEX 7A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT MO |
| NATURAL GAS-NGX AB-NIT SAME DAY 2A (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 2A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 2A ARITHMETIC AVG FOR MONTH (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 2A ARITHMETIC AVG FOR MONTH (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 4A (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 4A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 5A (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY 5A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY INDEX 5A (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX AB-NIT SAME DAY INDEX 5A (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX AB-NIT SA |
| NATURAL GAS-NGX EMPRESS (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX EMPRESS (|
| NATURAL GAS-NGX EMPRESS (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX EMPRESS (|
| NATURAL GAS-NGX SPECTRA ST 2 DAY AHEAD (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX SPECTRA S |
| NATURAL GAS-NGX SPECTRA ST 2 DAY AHEAD (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX SPECTRA S |
| NATURAL GAS-NGX UNION DAWN (C\$/GJ)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX UNION DAW |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-NGX UNION DAWN (US\$/MMBTU)-CANADIAN GAS PRICE REPORTER | NATURAL GAS-NGX UNION DAW |
| NATURAL GAS-NIAGARA (\$US/MMBTU)-NGX | NATURAL GAS-NIAGARA (\$US/ |
| NATURAL GAS-NNG (DEMARICATION)-INSIDE FERC | NATURAL GAS-NNG (DEMARCAT |
| NATURAL GAS-NNG (VENTURA)-INSIDE FERC | NATURAL GAS-NNG (VENTURA) |
| NATURAL GAS-NORTHEAST (ALGONQUIN CITY-GATE)-INSIDE FERC | NATURAL GAS-NORTHEAST (AL |
| NATURAL GAS-NORTHEAST (IROQUOIS ZONE 2)-INSIDE FERC | NATURAL GAS-NORTHEAST (IR |
| NATURAL GAS-NORTHEAST (LEBANON HUB)-INSIDE FERC | NATURAL GAS-NORTHEAST (LE |
| NATURAL GAS-NORTHEAST (NIAGARA)-INSIDE FERC | NATURAL GAS-NORTHEAST (NI |
| NATURAL GAS-NORTHEAST (TENNESSEE ZONE 6 DELIVERED)-INSIDE FERC | NATURAL GAS-NORTHEAST (TE |
| NATURAL GAS-NORTHEAST (TEXAS EASTERN ZONE M-3)-INSIDE FERC | NATURAL GAS-NORTHEAST (TE |
| NATURAL GAS-NORTHEAST (TRANSCO ZONE 6 N.Y.)-INSIDE FERC | NATURAL GAS-NORTHEAST (TR |
| NATURAL GAS-NORTHEAST (TRANSCO ZONE 6 NON-N.Y.)-INSIDE FERC | NATURAL GAS-NORTHEAST (TR |
| NATURAL GAS-NORTHERN NATURAL GAS & NORTHERN BORDER (TRANSFER POINT) AT VENTURA-MONTH AHEAD-ICE | NATURAL GAS-NORTHERN NATU |
| NATURAL GAS-NORTHERN NATURAL GAS-DEMARICATION-MONTH AHEAD-ICE | NATURAL GAS-NORTHERN NATU |
| NATURAL GAS-NORTHWEST PIPELINE CORP.-ROCKY MOUNTAIN POOL-MONTH AHEAD-ICE | NATURAL GAS-NORTHWEST PIP |
| NATURAL GAS-NORTHWEST PIPELINE CORP.-WYOMING POOL-MONTH AHEAD-ICE | NATURAL GAS-NORTHWEST PIP |
| NATURAL GAS-NWP-ROCKY MTN-DAY AHEAD-ICE | NATURAL GAS-NWP-ROCKY MTN |
| NATURAL GAS-NWP-WYOMING-DAY AHEAD-ICE | NATURAL GAS-NWP-WYOMING-D |
| NATURAL GAS-NWPL (CANADIAN BORDER)-INSIDE FERC | NATURAL GAS-NWPL (CANADIA |
| NATURAL GAS-NWPL (ROCKY MOUNTAINS)-INSIDE FERC | NATURAL GAS-NWPL (ROCKY M |
| NATURAL GAS-NYMEX | NATURAL GAS-NYMEX |
| NATURAL GAS-OCM | NATURAL GAS-OCM |
| NATURAL GAS-OKLAHOMA (ANR)-GAS DAILY | NATURAL GAS-OKLAHOMA (ANR |
| NATURAL GAS-OKLAHOMA (CENTERPOINT EAST)-GAS DAILY | NATURAL GAS-OKLAHOMA (CEN |
| NATURAL GAS-OKLAHOMA (NGPL)-GAS DAILY | NATURAL GAS-OKLAHOMA (NGP |
| NATURAL GAS-OKLAHOMA (ONEOK, OKLA)-GAS DAILY | NATURAL GAS-OKLAHOMA (ONE |
| NATURAL GAS-OKLAHOMA (PANHANDLE)-GAS DAILY | NATURAL GAS-OKLAHOMA (PAN |
| NATURAL GAS-OKLAHOMA (SOUTHERN STAR, TX-OKLA-KAN)-GAS DAILY | NATURAL GAS-OKLAHOMA (SOU |
| NATURAL GAS-ONEOK GAS TRANSPORTATION-MONTH AHEAD-ICE | NATURAL GAS-ONEOK GAS TRA |
| NATURAL GAS-ONEOK-DAY AHEAD-ICE | NATURAL GAS-ONEOK-DAY AHE |
| NATURAL GAS-ONG (OKLAHOMA)-INSIDE FERC | NATURAL GAS-ONG (OKLAHOMA |
| NATURAL GAS-OPAL PLANT TAILGATE-MONTH AHEAD-ICE | NATURAL GAS-OPAL PLANT TA |
| NATURAL GAS-OPAL-DAY AHEAD-ICE | NATURAL GAS-OPAL-DAY AHEA |
| NATURAL GAS-OTHERS (ALGONQUIN, RECEIPTS)-GAS DAILY | NATURAL GAS-OTHERS (ALGON |
| NATURAL GAS-OTHERS (ALLIANCE, INTO INTERSTATES)-GAS DAILY | NATURAL GAS-OTHERS (ALLIA |
| NATURAL GAS-OTHERS (ANR ML 7)-GAS DAILY | NATURAL GAS-OTHERS (ANR M |
| NATURAL GAS-OTHERS (DEMARICATION)-GAS DAILY | NATURAL GAS-OTHERS (DEMAR |
| NATURAL GAS-OTHERS (DRACUT)-GAS DAILY | NATURAL GAS-OTHERS (DRACU |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-OTHERS (EP SOUTH MAINLINE)-GAS DAILY | NATURAL GAS-OTHERS (EP SO |
| NATURAL GAS-OTHERS (NBPL VENTURA TP)-GAS DAILY | NATURAL GAS-OTHERS (NBPL |
| NATURAL GAS-OTHERS (NGPL AMARILLO RECEIPT)-GAS DAILY | NATURAL GAS-OTHERS (NGPL |
| NATURAL GAS-OTHERS (PG&E MALIN)-GAS DAILY | NATURAL GAS-OTHERS (PG&E |
| NATURAL GAS-OTHERS (PG&E SOUTH)-GAS DAILY | NATURAL GAS-OTHERS (PG&E |
| NATURAL GAS-OTHERS (SOCAL GAS)-GAS DAILY | NATURAL GAS-OTHERS (SOCAL |
| NATURAL GAS-OTHERS (TEXAS EASTERN M-1, 24-INCH)-GAS DAILY | NATURAL GAS-OTHERS (TEXAS |
| NATURAL GAS-OTHERS (TRUNKLINE ZONE 1A)-GAS DAILY | NATURAL GAS-OTHERS (TRUNK |
| NATURAL GAS-OTHERS (VENTURA)-GAS DAILY | NATURAL GAS-OTHERS (VENTU |
| NATURAL GAS-PACIFIC GAS TRANSMISSION-MALIN POOL-MONTH AHEAD-ICE | NATURAL GAS-PACIFIC GAS T |
| NATURAL GAS-PACIFIC GAS TRANSMISSION-STANFIELD POOL-MONTH AHEAD-ICE | NATURAL GAS-PACIFIC GAS T |
| NATURAL GAS-PANHANDLE EASTERN PIPE LINE CO.-POOL GAS-MONTH AHEAD-ICE | NATURAL GAS-PANHANDLE EAS |
| NATURAL GAS-PANHANDLE-DAY AHEAD-ICE | NATURAL GAS-PANHANDLE-DAY |
| NATURAL GAS-PEG NORTH DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-PEG NORTH DAY |
| NATURAL GAS-PEG NORTH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-PEG NORTH DAY |
| NATURAL GAS-PEG NORTH-MONTH AHEAD INDEX-LEBA | NATURAL GAS-PEG NORTH-MON |
| NATURAL GAS-PEG SOUTH DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-PEG SOUTH DAY |
| NATURAL GAS-PEG SOUTH DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-PEG SOUTH DAY |
| NATURAL GAS-PEG SOUTH-MONTH AHEAD INDEX-LEBA | NATURAL GAS-PEG SOUTH-MON |
| NATURAL GAS-PEPL (TEXOK MAINLINE)-INSIDE FERC | NATURAL GAS-PEPL (TEXOK M |
| NATURAL GAS-PERMIAN BASIN (EL PASO)-GAS DAILY | NATURAL GAS-PERMIAN BASIN |
| NATURAL GAS-PERMIAN BASIN (TRANSWESTERN)-GAS DAILY | NATURAL GAS-PERMIAN BASIN |
| NATURAL GAS-PERMIAN BASIN (WAHA)-GAS DAILY | NATURAL GAS-PERMIAN BASIN |
| NATURAL GAS-PG&E-CITYGATE-DAY AHEAD-ICE | NATURAL GAS-PG&E-CITYGATE |
| NATURAL GAS-PG&E-CITYGATE-MONTH AHEAD-ICE | NATURAL GAS-PG&E-CITYGATE |
| NATURAL GAS-PG&E-TOPOCK-MONTH AHEAD-ICE | NATURAL GAS-PG&E-TOPOCK-M |
| NATURAL GAS-PSV DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-PSV DAY AHEAD |
| NATURAL GAS-PSV DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-PSV DAY AHEAD |
| NATURAL GAS-PSV-MONTH AHEAD INDEX-LEBA | NATURAL GAS-PSV-MONTH AHE |
| NATURAL GAS-QUESTAR (ROCKY MOUNTAINS)-INSIDE FERC | NATURAL GAS-QUESTAR (ROCK |
| NATURAL GAS-ROCKIES (CHEYENNE HUB)-GAS DAILY | NATURAL GAS-ROCKIES (CHEY |
| NATURAL GAS-ROCKIES (CIG ROCKY MOUNTAINS)-GAS DAILY | NATURAL GAS-ROCKIES (CIG |
| NATURAL GAS-ROCKIES (KERN RIVER, OPAL PLANT)-GAS DAILY | NATURAL GAS-ROCKIES (KERN |
| NATURAL GAS-ROCKIES (NORTHWEST, S. OF GREEN RIVER)-GAS DAILY | NATURAL GAS-ROCKIES (NORT |
| NATURAL GAS-ROCKIES (NORTHWEST, WYO. POOL)-GAS DAILY | NATURAL GAS-ROCKIES (NORT |
| NATURAL GAS-ROCKIES (QUESTAR RM)-GAS DAILY | NATURAL GAS-ROCKIES (QUES |
| NATURAL GAS-ROCKIES (STANFIELD ORE.)-GAS DAILY | NATURAL GAS-ROCKIES (STAN |
| NATURAL GAS-ROCKIES/NW (AECO-C)-INSIDE FERC | NATURAL GAS-ROCKIES/NW (A |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-ROCKIES/NW (CHEYENNE HUB)-INSIDE FERC | NATURAL GAS-ROCKIES/NW (C |
| NATURAL GAS-ROCKIES/NW (STANFIELD)-INSIDE FERC | NATURAL GAS-ROCKIES/NW (S |
| NATURAL GAS-S. LOUISIANA (HENRY HUB)-INSIDE FERC | NATURAL GAS-S. LOUISIANA |
| NATURAL GAS-SOCAL BORDER-DAY AHEAD-ICE | NATURAL GAS-SOCAL BORDER- |
| NATURAL GAS-SONAT-T1-DAY AHEAD-ICE | NATURAL GAS-SONAT-T1-DAY |
| NATURAL GAS-SOUTH-CORPUS CHRISTI (AGUA DULCE HUB)-GAS DAILY | NATURAL GAS-SOUTH-CORPUS |
| NATURAL GAS-SOUTH-CORPUS CHRISTI (NGPL STX)-GAS DAILY | NATURAL GAS-SOUTH-CORPUS |
| NATURAL GAS-SOUTH-CORPUS CHRISTI (TENNESSEE ZONE 0)-GAS DAILY | NATURAL GAS-SOUTH-CORPUS |
| NATURAL GAS-SOUTH-CORPUS CHRISTI (TEXAS EASTERN STX)-GAS DAILY | NATURAL GAS-SOUTH-CORPUS |
| NATURAL GAS-SOUTH-CORPUS CHRISTI (TRANSCO ZONE 1)-GAS DAILY | NATURAL GAS-SOUTH-CORPUS |
| NATURAL GAS-SOUTHERN CALIFORNIA BORDER (EHRENBERG, TOPOCK, NEEDLES, WHEELER, KRS, STOR/PROD, KRAMER)-MONTH AHEAD-ICE | NATURAL GAS-SOUTHERN CALI |
| NATURAL GAS-SOUTHERN NATURAL (LOUISIANA)-INSIDE FERC | NATURAL GAS-SOUTHERN NATU |
| NATURAL GAS-SOUTHERN NATURAL GAS CO.-TIER 1 POOL-MONTH AHEAD-ICE | NATURAL GAS-SOUTHERN NATU |
| NATURAL GAS-SOUTHERN STAR (TEX/OKLA/KAN)-INSIDE FERC | NATURAL GAS-SOUTHERN STAR |
| NATURAL GAS-STANFIELD-DAY AHEAD-ICE | NATURAL GAS-STANFIELD-DAY |
| NATURAL GAS-STATION #2 (\$CAD/GJ)-NGX | NATURAL GAS-STATION #2 (\$ |
| NATURAL GAS-STATION 2-DAY AHEAD-ICE | NATURAL GAS-STATION 2-DAY |
| NATURAL GAS-TENNESSEE GAS (LOUISIANA, 500 LEG)-INSIDE FERC | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS (LOUISIANA, 800 LEG)-INSIDE FERC | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS (TEXAS ZONE 0)-INSIDE FERC | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE 0-MONTH AHEAD-ICE | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE 6, 200 LINE (DELIVERED)-MONTH AHEAD-ICE | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE L, 500 LEG POOL-MONTH AHEAD-ICE | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TENNESSEE GAS PIPELINE CO.-ZONE L, 800 LEG POOL-MONTH AHEAD-ICE | NATURAL GAS-TENNESSEE GAS |
| NATURAL GAS-TETCO (E. LOUISIANA ZONE)-INSIDE FERC | NATURAL GAS-TETCO (E. LOU |
| NATURAL GAS-TETCO (E. TEXAS ZONE)-INSIDE FERC | NATURAL GAS-TETCO (E. TEX |
| NATURAL GAS-TETCO (M-1 ZONE)-INSIDE FERC | NATURAL GAS-TETCO (M-1 ZO |
| NATURAL GAS-TETCO (S. TEXAS ZONE)-INSIDE FERC | NATURAL GAS-TETCO (S. TEX |
| NATURAL GAS-TETCO (W. LOUISIANA ZONE)-INSIDE FERC | NATURAL GAS-TETCO (W. LOU |
| NATURAL GAS-TETCO-ELA-DAY AHEAD-ICE | NATURAL GAS-TETCO-ELA-DAY |
| NATURAL GAS-TETCO-M1-DAY AHEAD-ICE | NATURAL GAS-TETCO-M1-DAY |
| NATURAL GAS-TETCO-M3-DAY AHEAD-ICE | NATURAL GAS-TETCO-M3-DAY |
| NATURAL GAS-TETCO-STX-DAY AHEAD-ICE | NATURAL GAS-TETCO-STX-DAY |
| NATURAL GAS-TETCO-WLA-DAY AHEAD-ICE | NATURAL GAS-TETCO-WLA-DAY |
| NATURAL GAS-TEX/OKLA/KAN (NNG)-INSIDE FERC | NATURAL GAS-TEX/OKLA/KAN |
| NATURAL GAS-TEXAS EASTERN TRANSMISSION CORP.- EAST LA-MONTH AHEAD-ICE | NATURAL GAS-TEXAS EASTERN |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| 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 EASTERN-M3 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-TGP-500L-DAY AHEAD-ICE | NATURAL GAS-TGP-500L-DAY |
| NATURAL GAS-TGP-800L-DAY AHEAD-ICE | NATURAL GAS-TGP-800L-DAY |
| NATURAL GAS-TGP-Z0-DAY AHEAD-ICE | NATURAL GAS-TGP-Z0-DAY AH |
| NATURAL GAS-TGP-Z6 200L-DAY AHEAD-ICE | NATURAL GAS-TGP-Z6 200L-D |
| NATURAL GAS-TGT (ZONE 1)-INSIDE FERC | NATURAL GAS-TGT (ZONE 1)- |
| NATURAL GAS-TGT (ZONE SL)-INSIDE FERC | NATURAL GAS-TGT (ZONE SL) |
| NATURAL GAS-TGT-NGPL-TXOK-DAY AHEAD-ICE | NATURAL GAS-TGT-NGPL-TXOK |
| NATURAL GAS-TGT-SL (FT)-DAY AHEAD-ICE | NATURAL GAS-TGT-SL (FT)-D |
| NATURAL GAS-TGT-Z1(FT)-DAY AHEAD-ICE | NATURAL GAS-TGT-Z1(FT)-DA |
| NATURAL GAS-TRANSCO (ZONE 1)-INSIDE FERC | NATURAL GAS-TRANSCO (ZONE |
| NATURAL GAS-TRANSCO (ZONE 2)-INSIDE FERC | NATURAL GAS-TRANSCO (ZONE |
| NATURAL GAS-TRANSCO (ZONE 3)-INSIDE FERC | NATURAL GAS-TRANSCO (ZONE |
| NATURAL GAS-TRANSCO ZONE 4-GAS DAILY | NATURAL GAS-TRANSCO ZONE |
| NATURAL GAS-TRANSCO-30-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-30-DA |
| NATURAL GAS-TRANSCO-45-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-45-DA |
| NATURAL GAS-TRANSCO-65-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-65-DA |
| NATURAL GAS-TRANSCO-85-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-85-DA |
| NATURAL GAS-TRANSCO-Z6 (NON-NY)-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-Z6 (N |
| NATURAL GAS-TRANSCO-Z6 (NY)-DAY AHEAD-ICE | NATURAL GAS-TRANSCO-Z6 (N |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPE LINE CORP.-ZONE 5 DELIVERED (NON-WASH.GAS LIGHT)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-STATION 30 (ZONE 1)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-STATION 45 (ZONE 2)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-STATION 65 (ZONE 3)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-STATION 85 (ZONE 4)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-ZONE 6 (NON-NY)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSCONTINENTAL GAS PIPELINE CORP.-ZONE 6 (NY)-MONTH AHEAD-ICE | NATURAL GAS-TRANSCONTINEN |
| NATURAL GAS-TRANSWESTERN (PERMIAN BASIN)-INSIDE FERC | NATURAL GAS-TRANSWESTERN |
| NATURAL GAS-TRUNKLINE (LOUISIANA)-INSIDE FERC | NATURAL GAS-TRUNKLINE (LO |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-TRUNKLINE (ZONE 1A)-INSIDE FERC | NATURAL GAS-TRUNKLINE (ZO |
| NATURAL GAS-TRUNKLINE GAS COMPANY-EAST LOUISIANA POOL-MONTH AHEAD-ICE | NATURAL GAS-TRUNKLINE GAS |
| NATURAL GAS-TRUNKLINE GAS COMPANY-WEST LOUISIANA POOL-MONTH AHEAD-ICE | NATURAL GAS-TRUNKLINE GAS |
| NATURAL GAS-TRUNKLINE-ELA-DAY AHEAD-ICE | NATURAL GAS-TRUNKLINE-ELA |
| NATURAL GAS-TRUNKLINE-WLA-DAY AHEAD-ICE | NATURAL GAS-TRUNKLINE-WLA |
| NATURAL GAS-TTF DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-TTF DAY AHEAD |
| NATURAL GAS-TTF DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-TTF DAY AHEAD |
| NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-TTF-DAY AHEAD |
| NATURAL GAS-TTF-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-TTF-DAY AHEAD |
| NATURAL GAS-TTF-MONTH AHEAD INDEX-LEBA | NATURAL GAS-TTF-MONTH AHE |
| NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-TTF-MONTH AHE |
| NATURAL GAS-TTF-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-TTF-MONTH AHE |
| NATURAL GAS-TTF-MONTH AHEAD-ENDEX | NATURAL GAS-TTF-MONTH AHE |
| NATURAL GAS-TTF-PLATTS ENGR | NATURAL GAS-TTF-PLATTS EN |
| NATURAL GAS-UK MONTHLY-ICE | NATURAL GAS-UK MONTHLY-IC |
| NATURAL GAS-UNION DAWN (\$US/MMBTU)-NGX | NATURAL GAS-UNION DAWN (\$ |
| NATURAL GAS-UNION GAS-DAWN-MONTH AHEAD-ICE | NATURAL GAS-UNION GAS-DAW |
| NATURAL GAS-UPPER MIDWEST (ANR ML 7)-INSIDE FERC | NATURAL GAS-UPPER MIDWEST |
| NATURAL GAS-UPPER MIDWEST (CHICAGO CITY-GATES)-INSIDE FERC | NATURAL GAS-UPPER MIDWEST |
| NATURAL GAS-UPPER MIDWEST (CONSUMERS ENERGY CITY-GATES)-INSIDE FERC | NATURAL GAS-UPPER MIDWEST |
| NATURAL GAS-UPPER MIDWEST (DAWN ONTARIO)-INSIDE FERC | NATURAL GAS-UPPER MIDWEST |
| NATURAL GAS-UPPER MIDWEST (MICH CON CITY-GATE)-INSIDE FERC | NATURAL GAS-UPPER MIDWEST |
| NATURAL GAS-VENTURA-DAY AHEAD-ICE | NATURAL GAS-VENTURA-DAY A |
| NATURAL GAS-W. TEXAS (WAHA)-INSIDE FERC | NATURAL GAS-W. TEXAS (WAH |
| NATURAL GAS-W. TEXAS (WAHA)-NGI | NATURAL GAS-W. TEXAS (WAH |
| NATURAL GAS-WAHA HUB-WEST TEXAS-MONTH AHEAD-ICE | NATURAL GAS-WAHA HUB-WEST |
| NATURAL GAS-WAHA-DAY AHEAD-ICE | NATURAL GAS-WAHA-DAY AHEA |
| NATURAL GAS-WESTCOAST ENERGY & NORTHWEST PIPELINE CORP. (CDN BORDER)-MONTH AHEAD-ICE | NATURAL GAS-WESTCOAST ENE |
| NATURAL GAS-WESTCOAST ENERGY INC-STATION 2-MONTH AHEAD-ICE | NATURAL GAS-WESTCOAST ENE |
| NATURAL GAS-WYOMING INTERSTATE COMPANY-POOL-MONTH AHEAD-ICE | NATURAL GAS-WYOMING INTER |
| NATURAL GAS-ZEEBRUGGE DAY AHEAD AND WEEKEND - LEBA | NATURAL GAS-ZEEBRUGGE DAY |
| NATURAL GAS-ZEEBRUGGE DAY AHEAD WINDOW AND WEEKEND WINDOW - LEBA | NATURAL GAS-ZEEBRUGGE DAY |
| NATURAL GAS-ZEEBRUGGE HUB-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-ARGUS EUROPEAN NAT GAS | NATURAL GAS-ZEEBRUGGE HUB |
| NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE - ARGUS EUROPEAN NAT GAS | NATURAL GAS-ZEEBRUGGE-DAY |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NATURAL GAS-ZEEBRUGGE-DAY AHEAD AND WEEKEND UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-ZEEBRUGGE-DAY |
| NATURAL GAS-ZEEBRUGGE-DAY AHEAD BASE INDEX-DOW JONES NAT GAS | NATURAL GAS-ZEEBRUGGE-DAY |
| NATURAL GAS-ZEEBRUGGE-MONTH AHEAD INDEX-LEBA | NATURAL GAS-ZEEBRUGGE-MON |
| NATURAL GAS-ZEEBRUGGE-MONTH AHEAD UNWEIGHTED AVERAGE PRICE-HEREN | NATURAL GAS-ZEEBRUGGE-MON |
| NATURAL GAS-ZEEBRUGGE-WEEKEND BASE INDEX-DOW JONES NAT GAS | NATURAL GAS-ZEEBRUGGE-WEE |
| NATURAL GAS-ZIG INDEX-DOW JONES NAT GAS | NATURAL GAS-ZIG INDEX-DOW |
| NATURAL GAS-ZONE 4 (TRANSCO)INSIDE FERC | NATURAL GAS-ZONE 4 (TRANS |
| NEWPRINT 30LB EAST PPW | NEWPRINT 30LB EAST PPW |
| NEWPRINT 48.8 GSM US PAPER TRADER | NEWPRINT 48.8 GSM US PAPE |
| NEWSPRINT 45G PPI GERMANY | NEWSPRINT 45G PPI GERMANY |
| NEWSPRINT 60G PPI GERMANY | NEWSPRINT 60G PPI GERMANY |
| NGL-BUSHTON ETHANE (IN E-P) KM-OPIS | NGL-BUSHTON ETHANE (IN E- |
| NGL-BUSHTON ETHANE (IN E-P) KM-OUT MONTH-OPIS | NGL-BUSHTON ETHANE (IN E- |
| NGL-BUSHTON ETHANE (IN E-P) KM-PROMPT MONTH-OPIS | NGL-BUSHTON ETHANE (IN E- |
| NGL-BUSHTON ISOBUTANE KM-OPIS | NGL-BUSHTON ISOBUTANE KM- |
| NGL-BUSHTON ISOBUTANE KM-OUT MONTH-OPIS | NGL-BUSHTON ISOBUTANE KM- |
| NGL-BUSHTON ISOBUTANE KM-PROMPT MONTH-OPIS | NGL-BUSHTON ISOBUTANE KM- |
| NGL-BUSHTON N. Butane KM-OPIS | NGL-BUSHTON N. Butane KM- |
| NGL-BUSHTON N. Butane KM-OUT MONTH-OPIS | NGL-BUSHTON N. Butane KM- |
| NGL-BUSHTON N. Butane KM-PROMPT MONTH-OPIS | NGL-BUSHTON N. Butane KM- |
| NGL-BUSHTON N. GASOLINE KM-OPIS | NGL-BUSHTON N. GASOLINE K |
| NGL-BUSHTON N. GASOLINE KM-OUT MONTH-OPIS | NGL-BUSHTON N. GASOLINE K |
| NGL-BUSHTON N. GASOLINE KM-PROMPT MONTH-OPIS | NGL-BUSHTON N. GASOLINE K |
| NGL-BUSHTON PROPANE KM-OPIS | NGL-BUSHTON PROPANE KM-OP |
| NGL-BUSHTON PROPANE KM-OUT MONTH-OPIS | NGL-BUSHTON PROPANE KM-OU |
| NGL-BUSHTON PROPANE KM-PROMPT MONTH-OPIS | NGL-BUSHTON PROPANE KM-PR |
| NGL-BUTANE (ASIA-PACIFIC REFRIGERATED CARGOES)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (ASIA-PACIFIC |
| NGL-BUTANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE; CIF A |
| NGL-BUTANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE: CIF A |
| NGL-BUTANE (EUROPE: CIF MEDITERRANEAN LARGE)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE: CIF M |
| NGL-BUTANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE: FCA A |
| NGL-BUTANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE: FOB A |
| NGL-BUTANE (EUROPE: FOB NORTHWEST EUROPE SMALL)-ARGUS INTERNATIONAL LPG | NGL-BUTANE (EUROPE: FOB N |
| NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OPIS | NGL-CANADIAN FIELD GRADE |
| NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-OUT MONTH-OPIS | NGL-CANADIAN FIELD GRADE |
| NGL-CANADIAN FIELD GRADE BUTANE (EDMONTON)-PROMPT MONTH-OPIS | NGL-CANADIAN FIELD GRADE |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NGL-CANADIAN ISOBUTANE (SARNIA)-OPIS | NGL-CANADIAN ISOBUTANE (S |
| NGL-CANADIAN ISOBUTANE (SARNIA)-OUT MONTH-OPIS | NGL-CANADIAN ISOBUTANE (S |
| NGL-CANADIAN ISOBUTANE (SARNIA)-PROMPT MONTH-OPIS | NGL-CANADIAN ISOBUTANE (S |
| NGL-CANADIAN N, GASOLINE (EDMONTON)-OUT MONTH-OPIS | NGL-CANADIAN N, GASOLINE |
| NGL-CANADIAN N, GASOLINE (EDMONTON)-PROMPT MONTH-OPIS | NGL-CANADIAN N, GASOLINE |
| NGL-CANADIAN N. BUTANE (SARNIA)-OPIS | NGL-CANADIAN N. BUTANE (S |
| NGL-CANADIAN N. BUTANE (SARNIA)-OUT MONTH-OPIS | NGL-CANADIAN N. BUTANE (S |
| NGL-CANADIAN N. BUTANE (SARNIA)-PROMPT MONTH-OPIS | NGL-CANADIAN N. BUTANE (S |
| NGL-CANADIAN N. GASOLINE (EDMONTON)-OPIS | NGL-CANADIAN N. GASOLINE |
| NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-OPIS | NGL-CANADIAN N. GASOLINE |
| NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-OUT MONTH-OPIS | NGL-CANADIAN N. GASOLINE |
| NGL-CANADIAN N. GASOLINE DIFF TO WTI (EDMONTON)-PROMPT MONTH-OPIS | NGL-CANADIAN N. GASOLINE |
| NGL-CANADIAN PROPANE (EDMONTON)-OPIS | NGL-CANADIAN PROPANE (EDM |
| NGL-CANADIAN PROPANE (EDMONTON)-PROMPT MONTH-OPIS | NGL-CANADIAN PROPANE (EDM |
| NGL-CANADIAN PROPANE (SARNIA)-OPIS | NGL-CANADIAN PROPANE (SAR |
| NGL-CANADIAN PROPANE (SARNIA)-OUT MONTH-OPIS | NGL-CANADIAN PROPANE (SAR |
| NGL-CANADIAN PROPANE (SARNIA)-PROMPT MONTH-OPIS | NGL-CANADIAN PROPANE (SAR |
| NGL-CONWAY ETHANE IN E-P (IN-LINE)-OUT MONTH-OPIS | NGL-CONWAY ETHANE IN E-P |
| NGL-CONWAY ETHANE IN E-P (IN-LINE)-PROMPT MONTH-OPIS | NGL-CONWAY ETHANE IN E-P |
| NGL-CONWAY ETHANE IN E-P (IN-WELL)-OPIS | NGL-CONWAY ETHANE IN E-P |
| NGL-CONWAY ETHANE IN E-P (IN-WELL)-OUT MONTH-OPIS | NGL-CONWAY ETHANE IN E-P |
| NGL-CONWAY ETHANE IN E-P (IN-WELL)-PROMPT MONTH-OPIS | NGL-CONWAY ETHANE IN E-P |
| NGL-CONWAY ETHANE IN E-P(IN-LINE)-OPIS | NGL-CONWAY ETHANE IN E-P(|
| NGL-CONWAY ISOBUTANE (IN-LINE)-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY ISOBUTANE (IN-LINE)-OUT MONTH-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY ISOBUTANE (IN-LINE)-PROMPT MONTH-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY ISOBUTANE (IN-WELL)-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY ISOBUTANE (IN-WELL)-OUT MONTH-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY ISOBUTANE (IN-WELL)-PROMPT MONTH-OPIS | NGL-CONWAY ISOBUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-LINE)-OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-LINE)-OUT MONTH-OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-LINE)-PROMPT MONTH-OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-WELL)-OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-WELL)-OUT MONTH OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. BUTANE (IN-WELL)-PROMPT MONTH OPIS | NGL-CONWAY N. BUTANE (IN- |
| NGL-CONWAY N. GASOLINE (IN-LINE)-OPIS | NGL-CONWAY N. GASOLINE (I |
| NGL-CONWAY N. GASOLINE (IN-LINE)-OUT MONTH-OPIS | NGL-CONWAY N. GASOLINE (I |
| NGL-CONWAY N. GASOLINE (IN-LINE)-PROMT MONTH-OPIS | NGL-CONWAY N. GASOLINE (I |
| NGL-CONWAY N. GASOLINE (IN-WELL)-OPIS | NGL-CONWAY N. GASOLINE (I |
| NGL-CONWAY N. GASOLINE (IN-WELL)-OUT MONTH-OPIS | NGL-CONWAY N. GASOLINE (I |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NGL-CONWAY N. GASOLINE (IN-WELL)-PROMPT MONTH-OPIS | NGL-CONWAY N. GASOLINE (I |
| NGL-CONWAY PROPANE (IN-LINE)-OPIS | NGL-CONWAY PROPANE (IN-LI |
| NGL-CONWAY PROPANE (IN-LINE)-OUT MONTH-OPIS | NGL-CONWAY PROPANE (IN-LI |
| NGL-CONWAY PROPANE (IN-LINE)-PROMPT MONTH-OPIS | NGL-CONWAY PROPANE (IN-LI |
| NGL-CONWAY PROPANE (IN-WELL)-OPIS | NGL-CONWAY PROPANE (IN-WE |
| NGL-CONWAY PROPANE (IN-WELL)-OUT MONTH-OPIS | NGL-CONWAY PROPANE (IN-WE |
| NGL-CONWAY PROPANE (IN-WELL)-PROMPT MONTH-OPIS | NGL-CONWAY PROPANE (IN-WE |
| NGL-GEISMAR/SORRENTO ISOBUTANE-OPIS | NGL-GEISMAR/SORRENTO ISOB |
| NGL-GEISMAR/SORRENTO ISOBUTANE-OUT MONTH-OPIS | NGL-GEISMAR/SORRENTO ISOB |
| NGL-GEISMAR/SORRENTO ISOBUTANE-PROMPT MONTH-OPIS | NGL-GEISMAR/SORRENTO ISOB |
| NGL-GEISMAR/SORRENTO N. BUTANE- OPIS | NGL-GEISMAR/SORRENTO N. B |
| NGL-GEISMAR/SORRENTO N. BUTANE- PROMPT MONTH-OPIS | NGL-GEISMAR/SORRENTO N. B |
| NGL-GEISMAR/SORRENTO N. BUTANE-OUT MONTH-OPIS | NGL-GEISMAR/SORRENTO N. B |
| NGL-GEISMAR/SORRENTO N. GASOLINE-OPIS | NGL-GEISMAR/SORRENTO N. G |
| NGL-GEISMAR/SORRENTO N. GASOLINE-OUT MONTH-OPIS | NGL-GEISMAR/SORRENTO N. G |
| NGL-GEISMAR/SORRENTO N. GASOLINE-PROMPT MONTH-OPIS | NGL-GEISMAR/SORRENTO N. G |
| NGL-GEISMAR/SORRENTO PROPANE-OPIS | NGL-GEISMAR/SORRENTO PROP |
| NGL-GEISMAR/SORRENTO PROPANE-OUT MONTH-OPIS | NGL-GEISMAR/SORRENTO PROP |
| NGL-GEISMAR/SORRENTO PROPANE-PROMPT MONTH-OPIS | NGL-GEISMAR/SORRENTO PROP |
| NGL-GEISMAR/SORRENTO PURITY ETHANE-OPIS | NGL-GEISMAR/SORRENTO PURI |
| NGL-GEISMAR/SORRENTO PURITY ETHANE-OUT MONTH-OPIS | NGL-GEISMAR/SORRENTO PURI |
| NGL-GEISMAR/SORRENTO PURITY ETHANE-PROMPT MONTH-OPIS | NGL-GEISMAR/SORRENTO PURI |
| NGL-HATTIESBURG PROPANE (IN-LINE)-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-HATTIESBURG PROPANE (IN-LINE)-OUT MONTH-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-HATTIESBURG PROPANE (IN-LINE)-PROMPT MONTH-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-HATTIESBURG PROPANE (STORAGE)-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-HATTIESBURG PROPANE (STORAGE)-OUT MONTH-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-HATTIESBURG PROPANE (STORAGE)-PROMPT MONTH-OPIS | NGL-HATTIESBURG PROPANE (|
| NGL-MONT BELVIEU EP MIX-OPIS | NGL-MONT BELVIEU EP MIX-O |
| NGL-MONT BELVIEU EP MIX-OUT MONTH-OPIS | NGL-MONT BELVIEU EP MIX-O |
| NGL-MONT BELVIEU EP MIX-PROMPT MONTH-OPIS | NGL-MONT BELVIEU EP MIX-P |
| NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (OTHER NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (TET)-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU ISOBUTANE (TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU ISOBUTAN |
| NGL-MONT BELVIEU N. BUTANE (NON-TET)-OPIS | NGL-MONT BELVIEU N. BUTAN |

| Reference Rate | ISO Reference Rate |
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| | (Alphanumeric 25 characters) |
| NGL-MONT BELVIEU N. BUTANE (NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (OTHER NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (TET)-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. BUTANE (TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. BUTAN |
| NGL-MONT BELVIEU N. GASOLINE (NON-TET)-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (OTHER NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (TET)-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU N. GASOLINE (TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU N. GASOL |
| NGL-MONT BELVIEU OTHER NON-TET E-P MIX-OPIS | NGL-MONT BELVIEU OTHER NO |
| NGL-MONT BELVIEU OTHER NON-TET E-P MIX-OUT MONTH-OPIS | NGL-MONT BELVIEU OTHER NO |
| NGL-MONT BELVIEU OTHER NON-TET E-P MIX-PROMPT MONTH-OPIS | NGL-MONT BELVIEU OTHER NO |
| NGL-MONT BELVIEU PROPANE (NON-TET)-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (OTHER NON-TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (TET)-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (TET)-OUT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PROPANE (TET)-PROMPT MONTH-OPIS | NGL-MONT BELVIEU PROPANE |
| NGL-MONT BELVIEU PURITY ETHANE-OPIS | NGL-MONT BELVIEU PURITY E |
| NGL-MONT BELVIEU PURITY ETHANE-OUT MONTH-OPIS | NGL-MONT BELVIEU PURITY E |
| NGL-MONT BELVIEU PURITY ETHANE-PROMPT MONTH-OPIS | NGL-MONT BELVIEU PURITY E |
| NGL-MONT BELVIEU RIVER N. GASOLINE-OPIS | NGL-MONT BELVIEU RIVER N. |
| NGL-MONT BELVIEU RIVER N. GASOLINE-OUT MONTH-OPIS | NGL-MONT BELVIEU RIVER N. |
| NGL-MONT BELVIEU RIVER N. GASOLINE-PROMPT MONTH-OPIS | NGL-MONT BELVIEU RIVER N. |
| NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OPIS | NGL-NAPOLEAONVILLE ETHANE |
| NGL-NAPOLEAONVILLE ETHANE (IN E-P)- OUT MONTH-OPIS | NGL-NAPOLEAONVILLE ETHANE |
| NGL-NAPOLEAONVILLE ETHANE (IN E-P)- PROMPT MONTH-OPIS | NGL-NAPOLEAONVILLE ETHANE |
| NGL-NAPOLEAONVILLE ISOBUTANE-OPIS | NGL-NAPOLEAONVILLE ISOBUT |
| NGL-NAPOLEAONVILLE ISOBUTANE-OUT MONTH-OPIS | NGL-NAPOLEAONVILLE ISOBUT |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| NGL-NAPOLEAONVILLE ISOBUTANE-PROMPT MONTH-OPIS | NGL-NAPOLEAONVILLE ISOBUT |
| NGL-NAPOLEAONVILLE N. BUTANE- OPIS | NGL-NAPOLEAONVILLE N. BUT |
| NGL-NAPOLEAONVILLE N. BUTANE- OUT MONTH-OPIS | NGL-NAPOLEAONVILLE N. BUT |
| NGL-NAPOLEAONVILLE N. BUTANE- PROMPT MONTH-OPIS | NGL-NAPOLEAONVILLE N. BUT |
| NGL-NAPOLEAONVILLE N. GASOLINE-OPIS | NGL-NAPOLEAONVILLE N. GAS |
| NGL-NAPOLEAONVILLE N. GASOLINE-OUT MONTH-OPIS | NGL-NAPOLEAONVILLE N. GAS |
| NGL-NAPOLEAONVILLE N. GASOLINE-PROMPT MONTH-OPIS | NGL-NAPOLEAONVILLE N. GAS |
| NGL-NAPOLEAONVILLE PROPANE- OPIS | NGL-NAPOLEAONVILLE PROPAN |
| NGL-NAPOLEAONVILLE PROPANE-OUT MONTH OPIS | NGL-NAPOLEAONVILLE PROPAN |
| NGL-NAPOLEAONVILLE PROPANE-PROMPT MONTH OPIS | NGL-NAPOLEAONVILLE PROPAN |
| NGL-NAPOLEAONVILLE PURITY ETHANE-OPIS | NGL-NAPOLEAONVILLE PURITY |
| NGL-NAPOLEAONVILLE PURITY ETHANE-OUT MONTH-OPIS | NGL-NAPOLEAONVILLE PURITY |
| NGL-NAPOLEAONVILLE PURITY ETHANE-PROMPT MONTH-OPIS | NGL-NAPOLEAONVILLE PURITY |
| NGL-PROPANE (ANSI) -ARGUS INTERNATIONAL LPG | NGL-PROPANE (ANSI) -ARGUS |
| NGL-PROPANE (EUROPE; CIF ARA LARGE CARGOES)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE; CIF |
| NGL-PROPANE (EUROPE: CIF ARA SMALL)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: CIF |
| NGL-PROPANE (EUROPE: CIF MEDITERRANEAN LARGE)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: CIF |
| NGL-PROPANE (EUROPE: CIF MEDITERRANEAN SMALL)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: CIF |
| NGL-PROPANE (EUROPE: FCA ARA RAIL)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: FCA |
| NGL-PROPANE (EUROPE: FCA MEDITERRANEAN RAIL)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: FCA |
| NGL-PROPANE (EUROPE: FOB ARA BARGE)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: FOB |
| NGL-PROPANE (EUROPE: FOB NORTHWEST EUROPE SMALL)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (EUROPE: FOB |
| NGL-PROPANE (FAR EAST INDEX)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (FAR EAST IND |
| NGL-PROPANE (SAUDI ARAMCO)-ARGUS INTERNATIONAL LPG | NGL-PROPANE (SAUDI ARAMCO |
| NGL-PROPANE-BUTANE MIX (EUROPE: FOB BLACK SEA)-ARGUS INTERNATIONAL LPG | NGL-PROPANE-BUTANE MIX (E |
| NGL-PROPANE-NYMEX | NGL-PROPANE-NYMEX |
| NICKEL-LME 15 MONTH | NICKEL-LME 15 MONTH |
| NICKEL-LME 27 MONTH | NICKEL-LME 27 MONTH |
| NICKEL-LME 3 MONTH | NICKEL-LME 3 MONTH |
| NICKEL-LME CASH | NICKEL-LME CASH |
| OATS-CBOT | OATS-CBOT |
| OIL-ARGUS SOUR CRUDE INDEX (ASCI)-ARGUS CRUDE | OIL-ARGUS SOUR CRUDE INDE |
| OIL-BRENT/BFOE (DATED)-ARGUS CRUDE | OIL-BRENT/BFOE (DATED)-AR |
| OIL-BRENT/BFOE (DTD)-PLATTS MARKETWIRE | OIL-BRENT/BFOE (DTD)-PLAT |
| OIL-BRENT/BFOE-ARGUS CRUDE | OIL-BRENT/BFOE-ARGUS CRUD |
| OIL-BRENT/BFOE-PLATTS MARKETWIRE | OIL-BRENT/BFOE-PLATTS MAR |
| OIL-BWAVE-ICE/-PLATTS MARKETWIRE | OIL-BWAVE-ICE/-PLATTS MAR |
| OIL-CRUDE OIL-TOCOM | OIL-CRUDE OIL-TOCOM |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| OIL-DUBAI-PLATTS MARKETWIRE | OIL-DUBAI-PLATTS MARKETWI |
| OIL-JCC-9 DIGIT PROVISIONAL | OIL-JCC-9 DIGIT PROVISION |
| OIL-JCC-DETAILED | OIL-JCC-DETAILED |
| OIL-JCC-FIXED | OIL-JCC-FIXED |
| OIL-JCC-PROVISIONAL | OIL-JCC-PROVISIONAL |
| OIL-LLS-ARGUS CRUDE | OIL-LLS-ARGUS CRUDE |
| OIL-LLS-PLATTS MARKETWIRE | OIL-LLS-PLATTS MARKETWIRE |
| OIL-MARS-ARGUS CRUDE | OIL-MARS-ARGUS CRUDE |
| OIL-MARS-PLATTS MARKETWIRE | OIL-MARS-PLATTS MARKETWIR |
| OIL-NW SHELF-APPI | OIL-NW SHELF-APPI |
| OIL-OMAN-PLATTS MARKETWIRE | OIL-OMAN-PLATTS MARKETWIR |
| OIL-TAPIS-APPI | OIL-TAPIS-APPI |
| OIL-TAPIS-PLATTS MARKETWIRE | OIL-TAPIS-PLATTS MARKETWI |
| OIL-URALS (CIF ROTTERDAM)-PLATTS MARKETWIRE | OIL-URALS (CIF ROTTERDAM) |
| OIL-URALS FOB PRIMORSK-ARGUS CRUDE | OIL-URALS FOB PRIMORSK-AR |
| OIL-URALS RCMB-PLATTS MARKETWIRE | OIL-URALS RCMB-PLATTS MAR |
| OIL-URALS ROTTERDAM (SPREAD VS FWD DTD BRENT/BFOE)-PLATTS MARKETWIRE | OIL-URALS ROTTERDAM (SPRE |
| OIL-WTI MIDLAND-PLATTS MARKETWIRE | OIL-WTI MIDLAND-PLATTS MA |
| OIL-WTI-ARGUS CRUDE | OIL-WTI-ARGUS CRUDE |
| OIL-WTI-ICE | OIL-WTI-ICE |
| OIL-WTI-NYMEX | OIL-WTI-NYMEX |
| OIL-WTI-PLATTS MARKETWIRE | OIL-WTI-PLATTS MARKETWIRE |
| OIL-WTS-ARGUS CRUDE | OIL-WTS-ARGUS CRUDE |
| OIL-WTS-PLATTS MARKETWIRE | OIL-WTS-PLATTS MARKETWIRE |
| OMAN MINISTRY OF GAS OFFICIAL PRICE | OMAN MINISTRY OF GAS OFFI |
| OTHER | OTHER |
| PALLADIUM-A.M. FIX (EUR) | PALLADIUM-A.M. FIX (EUR) |
| PALLADIUM-A.M. FIX (GBP) | PALLADIUM-A.M. FIX (GBP) |
| PALLADIUM-A.M. FIX | PALLADIUM-A.M. FIX |
| PALLADIUM-NYMEX | PALLADIUM-NYMEX |
| PALLADIUM-P.M. FIX (EUR) | PALLADIUM-P.M. FIX (EUR) |
| PALLADIUM-P.M. FIX (GBP) | PALLADIUM-P.M. FIX (GBP) |
| PALLADIUM-P.M. FIX | PALLADIUM-P.M. FIX |
| PALLADIUM-TOCOM | PALLADIUM-TOCOM |
| PALM OIL-BURSA MALAYSIA | PALM OIL-BURSA MALAYSIA |
| PALM OIL-MDEX | PALM OIL-MDEX |
| PLASTIC-LME-LL | PLASTIC-LME-LL |
| PLASTIC-LME-PP | PLASTIC-LME-PP |
| PLATINUM-A.M. FIX (EUR) | PLATINUM-A.M. FIX (EUR) |
| PLATINUM-A.M. FIX (GBP) | PLATINUM-A.M. FIX (GBP) |
| PLATINUM-A.M. FIX | PLATINUM-A.M. FIX |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| PLATINUM-NYMEX-SAFEX | PLATINUM-NYMEX-SAFEX |
| PLATINUM-NYMEX | PLATINUM-NYMEX |
| PLATINUM-P.M. FIX (EUR) | PLATINUM-P.M. FIX (EUR) |
| PLATINUM-P.M. FIX (GBP) | PLATINUM-P.M. FIX (GBP) |
| PLATINUM-P.M. FIX | PLATINUM-P.M. FIX |
| PLATINUM-TOCOM | PLATINUM-TOCOM |
| Polyethylene Terephthalate - ICIS | Polyethylene Terephthalat |
| Polypropylene Homopolymer Injection - Platts Polymerscan, | Polypropylene Homopolymer |
| Polypropylene, North America, Domestic Market (Contract) GP - Homopolymer, Delivered | Polypropylene, North Amer |
| PULP BLEACHED HARDWOOD KRAFT EUROPE PIX | PULP BLEACHED HARDWOOD KR |
| PULP BLEACHED HARDWOOD KRAFT PULP US RISI | PULP BLEACHED HARDWOOD KR |
| PULP BLEACHED HARDWOOD KRAFT US PIX | PULP BLEACHED HARDWOOD KR |
| PULP BLEACHED KRAFT FLUFF (UNTREATED) EUROPE RISI | PULP BLEACHED KRAFT FLUFF |
| PULP NORTHERN BLEACHED SOFTWOOD KRAFT EUROPE PIX | PULP NORTHERN BLEACHED SO |
| PULP NORTHERN BLEACHED SOFTWOOD KRAFT US PIX | PULP NORTHERN BLEACHED SO |
| PULP NORTHERN BLEACHED SOFTWOOD KRAFT US PPW | PULP NORTHERN BLEACHED SO |
| PULP NORTHERN BLEACHED SOFTWOOD KRAFT US RISI | PULP NORTHERN BLEACHED SO |
| PULP-ICE | PULP-ICE |
| RAPESEED - MATIF | RAPESEED - MATIF |
| RAPESEED-NYSE Liffe | RAPESEED-NYSE Liffe |
| RECOVERED PAPER 1.02 MIXED P&B (SORTED) PPI GERMANY | RECOVERED PAPER 1.02 MIXE |
| RECOVERED PAPER 1.04 SUPERMARKET CORRUGATED MIXED P&B PPI GERMANY | RECOVERED PAPER 1.04 SUPE |
| RECOVERED PAPER 1.05 OLD CORRUGATED CONTAINERS PPI FRANCE | RECOVERED PAPER 1.05 OLD |
| RECOVERED PAPER 1.11 SORTED GRAPHIC PAPER PPI GERMANY | RECOVERED PAPER 1.11 SORT |
| RECOVERED PAPER 2.01 NEWSPAPERS PPI GERMANY | RECOVERED PAPER 2.01 NEWS |
| RECOVERED PAPER DEINK NEWS (8) ATLANTA PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER DEINK NEWS (8) CHICAGO PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER DEINK NEWS (8) DALLAS-HOUSTON PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER DEINK NEWS (8) NEW YORK PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER DEINK NEWS (8) SAN FRANCISCO-LOS ANGELES PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER DEINK NEWS (8) U.S. AVERAGE PPW | RECOVERED PAPER DEINK NEW |
| RECOVERED PAPER NEWS #8 BUFFALO OBM | RECOVERED PAPER NEWS #8 B |
| RECOVERED PAPER NEWS #8 CHICAGO OBM | RECOVERED PAPER NEWS #8 C |
| RECOVERED PAPER NEWS #8 LOS ANGELES OBM | RECOVERED PAPER NEWS #8 L |
| RECOVERED PAPER NEWS #8 NEW ENGLAND OBM | RECOVERED PAPER NEWS #8 N |
| RECOVERED PAPER NEWS #8 NEW YORK OBM | RECOVERED PAPER NEWS #8 N |
| RECOVERED PAPER NEWS #8 PACIFIC NW OBM | RECOVERED PAPER NEWS #8 P |
| RECOVERED PAPER NEWS #8 SAN FRANCISCO OBM | RECOVERED PAPER NEWS #8 S |
| RECOVERED PAPER NEWS #8 SOUTHEAST OBM | RECOVERED PAPER NEWS #8 S |
| RECOVERED PAPER NEWS #8 SOUTHWEST OBM | RECOVERED PAPER NEWS #8 S |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| RECOVERED PAPER OCC #11 ATLANTA PPW | RECOVERED PAPER OCC #11 A |
| RECOVERED PAPER OCC #11 CHICAGO PPW | RECOVERED PAPER OCC #11 C |
| RECOVERED PAPER OCC #11 DALLAS-HOUSTON PPC | RECOVERED PAPER OCC #11 D |
| RECOVERED PAPER OCC #11 NEW YORK PPW | RECOVERED PAPER OCC #11 N |
| RECOVERED PAPER OCC #11 SAN FRANCISCO-LOS ANGELES | RECOVERED PAPER OCC #11 S |
| RECOVERED PAPER OCC #11 U.S. AVERAGE PPC | RECOVERED PAPER OCC #11 U |
| RECOVERED PAPER OCC#11 BUFFALO OBM | RECOVERED PAPER OCC#11 BU |
| RECOVERED PAPER OCC#11 CHICAGO OBM | RECOVERED PAPER OCC#11 CH |
| RECOVERED PAPER OCC#11 LOS ANGELES OBM | RECOVERED PAPER OCC#11 LO |
| RECOVERED PAPER OCC#11 NEW ENGLAND OBM | RECOVERED PAPER OCC#11 NE |
| RECOVERED PAPER OCC#11 NEW YORK OBM | RECOVERED PAPER OCC#11 NE |
| RECOVERED PAPER OCC#11 PACIFIC NW OBM | RECOVERED PAPER OCC#11 PA |
| RECOVERED PAPER OCC#11 SAN FRANCISCO OBM | RECOVERED PAPER OCC#11 SA |
| RECOVERED PAPER OCC#11 SOUTHEAST OBM | RECOVERED PAPER OCC#11 SO |
| RECOVERED PAPER OCC#11 SOUTHWEST OBM | RECOVERED PAPER OCC#11 SO |
| RECOVERED PAPER SOP#37 CHICAGO OBM | RECOVERED PAPER SOP#37 CH |
| RHODIUM-COMDAQ (EUR) | RHODIUM-COMDAQ (EUR) |
| RHODIUM-COMDAQ (GBP) | RHODIUM-COMDAQ (GBP) |
| RHODIUM-COMDAQ (JPY) | RHODIUM-COMDAQ (JPY) |
| RHODIUM-COMDAQ | RHODIUM-COMDAQ |
| RHODIUM-HERAEUS | RHODIUM-HERAEUS |
| RHODIUM-JOHNSON MATTHEY | RHODIUM-JOHNSON MATTHEY |
| RICE-CBOT | RICE-CBOT |
| RISI World Pulp Monthly Northern Bleached Softwood Kraft Pulp Pulp Northern Bleached Softwood Kraft US RISI | RISI World Pulp Monthly N |
| RUBBER-JADE | RUBBER-JADE |
| RUBBER-RSS3-SGX | RUBBER-RSS3-SGX |
| RUBBER-TOCOM | RUBBER-TOCOM |
| RUBBER-TSR20-SGX | RUBBER-TSR20-SGX |
| RUTHENIUM-COMDAQ (EUR) | RUTHENIUM-COMDAQ (EUR) |
| RUTHENIUM-COMDAQ (GBP) | RUTHENIUM-COMDAQ (GBP) |
| RUTHENIUM-COMDAQ (JPY) | RUTHENIUM-COMDAQ (JPY) |
| RUTHENIUM-COMDAQ | RUTHENIUM-COMDAQ |
| RUTHENIUM-HERAEUS | RUTHENIUM-HERAEUS |
| RUTHENIUM-JOHNSON MATTHEY | RUTHENIUM-JOHNSON MATTHEY |
| SAHARAN BLEND FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | SAHARAN BLEND FOB ARA CRA |
| SILVER-COMEX-SAFEX | SILVER-COMEX-SAFEX |
| SILVER-COMEX | SILVER-COMEX |
| SILVER-FIX (EUR) | SILVER-FIX (EUR) |
| SILVER-FIX (GBP) | SILVER-FIX (GBP) |
| SILVER-FIX | SILVER-FIX |
| SILVER-TOCOM | SILVER-TOCOM |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| SM6TC (Supramax Dry Time charter Average 6 Routes) FREIGHT - BALTIC EXCHANGE - SUPRAMAX TIME CHARTER AVERAGE ROUTES-PUBLISHED DAILY AVERAGE | SM6TC (Supramax Dry Time |
| SORGHUM-SAFEX | SORGHUM-SAFEX |
| SOUTHEAST-DAY AHEAD | SOUTHEAST-DAY AHEAD |
| SOUTHEAST-REAL TIME | SOUTHEAST-REAL TIME |
| SOYBEAN MEAL-CBOT-SAFEX | SOYBEAN MEAL-CBOT-SAFEX |
| SOYBEAN MEAL-CBOT | SOYBEAN MEAL-CBOT |
| SOYBEAN OIL-CBOT-SAFEX | SOYBEAN OIL-CBOT-SAFEX |
| SOYBEAN OIL-CBOT | SOYBEAN OIL-CBOT |
| SOYBEANS-CBOT-SAFEX | SOYBEANS-CBOT-SAFEX |
| SOYBEANS-CBOT | SOYBEANS-CBOT |
| SOYBEANS-SAFEX | SOYBEANS-SAFEX |
| STEEL - LME 3 MONTH | STEEL - LME 3 MONTH |
| STEEL BILLET-LME CASH | STEEL BILLET-LME CASH |
| STEEL PLATTS COLD ROLLED EUR | STEEL PLATTS COLD ROLLED |
| STEEL PLATTS COLD ROLLED USD | STEEL PLATTS COLD ROLLED |
| STEEL PLATTS HOT ROLLED EUR | STEEL PLATTS HOT ROLLED E |
| STEEL PLATTS HOT ROLLED USD | STEEL PLATTS HOT ROLLED U |
| STEEL- -HRC-USA-MIDWEST-CRU (Monthly average) | STEEL- -HRC-USA-MIDWEST-C |
| STEEL- LME- BILLETS | STEEL- LME- BILLETS |
| STEEL-MONTHLY-BILLET-CIS EXPORT FOB BLACK SEA-CRU LONG | STEEL-MONTHLY-BILLET-CIS |
| STEEL-MONTHLY-CRC-GERMANY (EUR)-CRU | STEEL-MONTHLY-CRC-GERMANY |
| STEEL-MONTHLY-CRC-GERMANY (USD)-CRU | STEEL-MONTHLY-CRC-GERMANY |
| STEEL-MONTHLY-CRC-USA-MIDWEST-CRU | STEEL-MONTHLY-CRC-USA-MID |
| STEEL-MONTHLY-HRC-GERMANY (EUR)-CRU | STEEL-MONTHLY-HRC-GERMANY |
| STEEL-MONTHLY-HRC-GERMANY (USD)-CRU | STEEL-MONTHLY-HRC-GERMANY |
| STEEL-MONTHLY-SLAB-EUROPE-CIS-EXPORT-BLACK SEA PORT-CRU | STEEL-MONTHLY-SLAB-EUROPE |
| STEEL-MONTHLY-SLAB-LATIN AMERICA-BRAZIL-EXPORT-CRU | STEEL-MONTHLY-SLAB-LATIN |
| STEEL-PLATTS-EUROPEAN HOT ROLLED COIL (RUHR) | STEEL-PLATTS-EUROPEAN HOT |
| STEEL-PLATTS-FOB BLACK SEA | STEEL-PLATTS-FOB BLACK SE |
| STEEL-PLATTS-HMS 80/20 FERROUS SCRAP | STEEL-PLATTS-HMS 80/20 FE |
| STEEL-TSI NORTH | STEEL-TSI NORTH |
| STEEL-TSI SOUTH | STEEL-TSI SOUTH |
| STEEL-TSI TURKEY SCRAP | STEEL-TSI TURKEY SCRAP |
| SUGAR # 11 (WORLD)-ICE | SUGAR # 11 (WORLD)-ICE |
| SUGAR # 16 (US)-ICE | SUGAR # 16 (US)-ICE |
| SULPHUR-CFR CHINA-FMB | SULPHUR-CFR CHINA-FMB |
| SULPHUR-CFR INDIA-FMB | SULPHUR-CFR INDIA-FMB |
| SULPHUR-FOB BLACK SEA-FMB | SULPHUR-FOB BLACK SEA-FMB |
| SULPHUR-FOB MIDDLE EAST-FMB | SULPHUR-FOB MIDDLE EAST-F |
| SULPHUR-FOB VANCOUVER-FMB | SULPHUR-FOB VANCOUVER-FMB |

| Reference Rate | ISO Reference Rate |
|---|------------------------------|
| | (Alphanumeric 25 characters) |
| SUNFLOWER SEEDS-SAFEX | SUNFLOWER SEEDS-SAFEX |
| TIN-LME 15 MONTH | TIN-LME 15 MONTH |
| TIN-LME 3 MONTH | TIN-LME 3 MONTH |
| TIN-LME CASH | TIN-LME CASH |
| UAN - NOLA - FMB | UAN - NOLA - FMB |
| UAN-FERTILIZER INDEX | UAN-FERTILIZER INDEX |
| ULTRA LOW SULPHUR DIESEL - U.S. GULF COAST PIPELINE - PLATTS OILGRAM | ULTRA LOW SULPHUR DIESEL |
| ULTRA LOW SULPHUR DIESEL-10 PPM UK-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | ULTRA LOW SULPHUR DIESEL- |
| ULTRA LOW SULPHUR DIESEL-10 PPM-BARGES FOB ROTTERDAM-PLATTS EUROPEAN MARKETSCAN | ULTRA LOW SULPHUR DIESEL- |
| ULTRA LOW SULPHUR DIESEL-10 PPM-CARGOES CIF NWE/BASIS ARA-PLATTS EUROPEAN MARKETSCAN | ULTRA LOW SULPHUR DIESEL- |
| ULTRA LOW SULPHUR DIESEL-10 PPM-CIF MED (GENOVA/LAVERA)-PLATTS EUROPEAN MARKETSCAN | ULTRA LOW SULPHUR DIESEL- |
| ULTRA LOW SULPHUR DIESELGERMAN-10PPM-FOB NWE -ARGUS EUROPEAN PRODUCTS | ULTRA LOW SULPHUR DIESELG |
| ULTRA-LOW SULPHUR DIESEL 10PPM- FOB MED (ITALY) - PLATTS EUROPEAN MARKETSCAN | ULTRA-LOW SULPHUR DIESEL |
| URANIUM U3O8 TT | URANIUM U3O8 TT |
| URANIUM Ux U3O8 | URANIUM Ux U3O8 |
| UREA - FOB BALTIC-FMB | UREA - FOB BALTIC-FMB |
| UREA - FOB INDONESIA - FMB | UREA - FOB INDONESIA - FM |
| UREA - FOB US GULF BARGE FMB | UREA - FOB US GULF BARGE |
| UREA - New Orleans - Fertilizer Index | UREA - New Orleans - Fert |
| UREA - Yuzhnyy-Fertilizer Index | UREA - Yuzhnyy-Fertilizer |
| UREA- Egypt - Fertilizer index | UREA- Egypt - Fertilizer |
| UREA- FOB YUZHNY - FMB | UREA- FOB YUZHNY - FMB |
| UREA-FERTILIZER INDEX | UREA-FERTILIZER INDEX |
| WHEAT FEED-NYSE Liffe | WHEAT FEED-NYSE Liffe |
| WHEAT HRW-KCBOT | WHEAT HRW-KCBOT |
| WHEAT MILLING - ASX | WHEAT MILLING - ASX |
| WHEAT MILLING-NYSE Liffe | WHEAT MILLING-NYSE Liffe |
| WHEAT RED SPRING-MGE | WHEAT RED SPRING-MGE |
| WHEAT-CBOT | WHEAT-CBOT |
| WHEAT-SAFEX | WHEAT-SAFEX |
| WHITE MAIZE GRADE 2-SAFEX | WHITE MAIZE GRADE 2-SAFEX |
| WHITE MAIZE-SAFEX | WHITE MAIZE-SAFEX |
| WHITE SUGAR-NYSE Liffe | WHITE SUGAR-NYSE Liffe |
| YELLOW MAIZE GRADE 2-SAFEX | YELLOW MAIZE GRADE 2-SAFE |
| YELLOW MAIZE-SAFEX | YELLOW MAIZE-SAFEX |
| ZINC-LME 15 MONTH | ZINC-LME 15 MONTH |
| ZINC-LME 27 MONTH | ZINC-LME 27 MONTH |

| Reference Rate | ISO Reference Rate |
|--|------------------------------|
| | (Alphanumeric 25 characters) |
| ZINC-LME 3 MONTH | ZINC-LME 3 MONTH |
| ZINC-LME CASH | ZINC-LME CASH |
| ZUETINA FOB ARA CRACK NETBACK- PLATTS MARKETWIRE | ZUETINA FOB ARA CRACK NET |