

ICE Trade Vault Service and Pricing Schedule

The following fee structure for ICE Trade Vault is applicable to the reporting of data in respect of swaps in the Commodity, FX, Credit, and Interest Rates Asset Class to the ICE SDR Service:

- Repository fees will be charged based on a published rate per quantity unit or notional for each asset class as set forth in the following:
 - Credit Asset Class - Annex A
 - Commodity Asset Class - Annex B.
 - FX Asset Class - Annex C.
 - Interest Rates Asset Class - Annex D.
- Repository Fees for all asset classes will be assessed upon acceptance of the initial trade record for a Swap by the SDR and will be charged as follows:
 - Uncleared/Bilateral Swap or Uncleared/Bilateral Option¹ – A Repository Fee will be charged to each Participant that is a party to the Trade, except that only the party that is not the designated reporting party under CFTC Regulations will be charged in the case of a voluntary supplemental report (as such term is used in Part 45 of the CFTC Regulations);
 - On-Facility “Intended-To-Be-Cleared” (ITBC) Trades² – No Repository Fee will be charged to either Participant that is a party to an original (aka “alpha”) Swap or Option executed on a swap execution facility (SEF) or designated contract market (DCM) and submitted for clearing contemporaneously with execution. A repository fee will be charged to the SEF or DCM submitting the original Swap or Option to ICE Trade Vault;
 - Clearing Swap or Clearing Option – A Repository Fee will be charged to the Derivatives Clearing Organization (“DCO”) that cleared the Swap or Option; and
 - Exchange for Related Position (“EFRP”) – No Repository Fee will be charged to Participants that are a party to the EFRP.
- Investment Manager Participants³: Investment Manager Participants reporting trades on behalf of the funds and client accounts they manage or advise will be charged as a single entity for all trade sides for which they are listed as adviser. The underlying funds and client accounts will not be charged a fee. The minimum and cap listed herein will be applied at the Asset/Investment Manager/Agent Participant level, inclusive of their own trades or any trades reported by them as an Agent.
- For all transactions reported by a Third Party Reporter, the Third Party Reporter will only be charged a Repository Fee for those transactions it reports on behalf of non-Participants of ICE Trade Vault

¹ The references to Uncleared/Bilateral Swap and Uncleared/Bilateral Option include an original (aka “alpha”) Swap or Option that is **not** executed on a swap execution facility or designated contract market but is submitted for clearing following execution.

² This term refers to trades that are (i) of a type accepted for clearing by a DCO and (ii) intended to be submitted for clearing contemporaneously with execution.

³ The term “Investment Manager Participant” refers to a firm that provides investment advice to or otherwise acts as investment manager for third party accounts or funds for compensation.

and will be charged in the following manner:

- If the Third Party Reporter is reporting only for one non-Participant, it will be charged the Repository Fee.
- The minimum and cap listed herein will be applied to each non-participant for which the Third Party Reporter is reporting.
- For all transactions reported by a Third Party Reporter on behalf of a Participant, the Participant will only be charged a Repository Fee for those transactions.
- Trusted Sources will be charged a \$10,000 connection fee at the time of onboarding and a minimum monthly fee of \$5,000 per month across all asset classes. In a given month, each Trusted Source shall be invoiced the greater of (i) the total of all Repository Fees incurred across all asset classes, or (ii) \$5,000.
- The minimum monthly invoice per Participant (other than Trusted Sources) will be \$375 across all asset classes. In a given month, each Participant shall be invoiced the greater of (i) the total of all Repository Fees incurred by Participant across all asset classes, or (ii) \$375. The minimum monthly invoice only applies to Participants who have open positions in any asset class in the SDR.
- The maximum monthly invoice (“Cap”) per Participant (other than Trusted Sources) will be \$44,500 across all asset classes, including Commodities, Credit, FX, and Interest Rates. In a given month, no fee will be due to ICE Trade Vault from a Participant (other than a Trusted Source) above this amount.
- No rebates, share of profits, or dividends will be paid to any Participant or group of Participants.
- No additional fees will be assessed by ICE Trade Vault for storing trade data, processing life-cycle events, valuations, supporting upgrades, integrating and maintaining APIs or help desk assistance.
- ICE Trade Vault will only assess fees as detailed above. All fees charged by ICE Trade Vault are uniform, equitable and non-discriminatory and payments are due 30 calendar days from the invoice date.
- ICE Trade Vault invoices will be available by the 4th business day of each month via the web portal and it is the responsibility of each Participant or Trusted Source to print and/or export the invoices for payment as the invoices will not be sent to Participants. An accounting contact should be maintained in the Contact page to receive notifications of ICE Trade Vault invoice availability.
- A Participant has 30 days from the date of invoice to reconcile and dispute any charges, after which the Participant will be deemed to have accepted all charges as correct.

Service and Pricing Schedule

Annex A: Repository Fees for the Credit Asset Class

Set forth below are the Repository Fee Rates to be applied upon acceptance of an initial trade record in respect of Swaps in the Credit Asset Class to the ICE SDR Service:

CREDIT ASSET CLASS

Repository Fee rates for the Credit Asset Class will be as follows:

| <i>Contract Type Rate</i> | <i>Cleared Swap Rate</i> | <i>Cleared Option</i> |
|--|--|------------------------------|
| Index notional | \$0.45 per \$1mm notional | \$0.45 per \$1mm |
| | | |
| <i>Contract Type Uncleared/Bilateral Option</i> | <i>Uncleared/Bilateral Swap</i> | |
| Index notional | \$0.45 per \$1mm notional | \$0.45 per \$1mm |

Annex B: Repository Fees for the Commodity Asset Class

Set forth below are the Repository Fee Rates to be applied upon acceptance of a n initial trade record in respect of Swaps in the Commodity Asset Class to the ICE SDR Service:

Uncleared/Bilateral Swap, Uncleared/Bilateral Option, Cleared Swap or Cleared Option:

| Market Type | Quantity Unit/Notional Unit | Rate when Contract Type = Swap or Forward | Rate when Contract Type = Option or Swaption |
|-----------------------------------|--|---|--|
| COMMODITY INDEX | AUD | \$0.00000079 | \$0.0000012 |
| COMMODITY INDEX | CAD | \$0.00058 | \$0.00087 |
| COMMODITY INDEX | EUR | \$0.00078 | \$0.0012 |
| COMMODITY INDEX | GBP | \$0.00091 | \$0.0014 |
| COMMODITY INDEX | INDEX LEVEL | \$0.00000011 | \$0.00000017 |
| COMMODITY INDEX | ETF UNIT | \$0.000028 | \$0.000042 |
| COMMODITY INDEX | JPY | \$0.0000000091 | \$0.000000014 |
| COMMODITY INDEX | USD | \$0.0000011 | \$0.0000017 |
| CONTINENTAL FINANCIAL NATURAL GAS | KW | \$0.00001 | .000015 |
| CONTINENTAL FINANCIAL NATURAL GAS | MWH | \$0.00034 | \$0.00051 |
| CONTINENTAL FINANCIAL NATURAL GAS | THERMS | \$0.00000034 | \$0.00000051 |
| CONTINENTAL FINANCIAL POWER | MWH | \$0.00062 | \$0.00093 |
| CONTINENTAL PHYSICAL NATURAL GAS | MWH | \$0.00034 | \$0.00051 |
| CONTINENTAL PHYSICAL POWER | MWH | \$0.00062 | \$0.00093 |
| EMISSIONS | CALIFORNIA CARBON ALLOWANCES | \$0.00030 | \$0.00045 |
| EMISSIONS | CAR | \$0.00025 | \$0.00038 |
| EMISSIONS | CFI | \$0.00025 | \$0.00038 |
| EMISSIONS | CRE | \$0.00032 | \$0.00048 |
| EMISSIONS | CROSS STATE AIR POLLUTION RULE TR NOX ANNUAL ALLOWANCE | \$0.12 | \$0.18 |
| EMISSIONS | CROSS STATE AIR POLLUTION RULE TR NOX OZONE SEASON TRADING PROGRAM ALLOWANCE | \$0.12 | \$0.18 |
| EMISSIONS | CROSS STATE AIR POLLUTION RULE TR SO2 GROUP 1 ALLOWANCE | \$0.024 | \$0.036 |

| | | | |
|------------------------|---|------------------|------------------|
| EMISSIONS | CROSS STATE AIR POLLUTION RULE TR SO2 GROUP 2 ALLOWANCE | \$0.024 | \$0.036 |
| EMISSIONS | CRT | \$0.00025 | \$0.00038 |
| EMISSIONS | ERU | \$0.00032 | \$0.00048 |
| EMISSIONS | EU ALLOWANCE | \$0.00032 | \$0.00048 |
| EMISSIONS | EU CREDIT | \$0.00032 | \$0.00048 |
| EMISSIONS | EUAA | \$0.00032 | \$0.00048 |
| EMISSIONS | MT | \$0.00025 | \$0.00038 |
| EMISSIONS | MWH REPRESENTING CONNECTICUT CLASS 1 RECS | \$0.0020 | \$0.0030 |
| EMISSIONS | MWH REPRESENTING MASSACHUSETTS CLASS 1 RECS | \$0.0020 | \$0.0030 |
| EMISSIONS | MWH REPRESENTING NEW JERSEY CLASS 1 RECS | \$0.0010 | \$0.0015 |
| EMISSIONS | REGIONAL GREENHOUSE GAS INITIATIVE | \$0.00010 | \$0.00015 |
| EMISSIONS | SFI | 0.0040 | 0.0060 |
| EMISSIONS | TON | \$0.00010 | \$0.00015 |
| FINANCIAL AGRICULTURES | BOARD FEET | \$0.00002 | \$0.00003 |
| FINANCIAL AGRICULTURES | BU | 0.000053 | 0.000079 |
| FINANCIAL AGRICULTURES | CWT | \$0.00066 | \$0.0010 |
| FINANCIAL AGRICULTURES | KG | \$0.000015 | \$0.000022 |
| FINANCIAL AGRICULTURES | LBS | \$0.0000066 | \$0.0000098 |
| FINANCIAL AGRICULTURES | MT | \$0.015 | \$0.022 |
| FINANCIAL AGRICULTURES | ST | \$0.0026 | \$0.0039 |
| FINANCIAL COAL | MT | \$0.000072 | \$0.00011 |
| FINANCIAL COAL | ST | \$0.000072 | \$0.00011 |
| FINANCIAL NATURAL GAS | MMBTU | \$0.000021 | \$0.000031 |
| FINANCIAL NATURAL GAS | 10,000 USD | \$0.000030 | \$0.000045 |
| FINANCIAL NATURAL GAS | BCF | \$0.000000000021 | \$0.000000000031 |

| | | | |
|-------------------------------------|-------------------|---------------|---------------|
| FINANCIAL NATURAL GAS | MCF | \$0.000021 | \$0.000031 |
| FINANCIAL NATURAL GAS | GJ | \$0.000022 | \$0.000033 |
| FINANCIAL NATURAL GAS LIQUIDS | BBL | \$0.00032 | \$0.00049 |
| FINANCIAL NATURAL GAS LIQUIDS | GAL | \$0.0000077 | \$0.0000116 |
| FINANCIAL NATURAL GAS LIQUIDS | LBS | \$0.0000013 | \$0.0000019 |
| FINANCIAL NATURAL GAS LIQUIDS | MT | \$0.0028 | \$0.0042 |
| FINANCIAL OIL | BBL | \$0.00013 | \$0.00020 |
| FINANCIAL OIL | GAL | \$0.000003 | \$0.000005 |
| FINANCIAL OIL | KL | \$0.000021 | \$0.000032 |
| FINANCIAL OIL | L | \$0.000000021 | \$0.000000032 |
| FINANCIAL OIL | MT | \$0.0011 | \$0.0016 |
| FINANCIAL OIL | CUBIC METERS | \$0.000892 | \$0.0014 |
| FINANCIAL OIL | RIN | \$0.0001 | \$0.00015 |
| FINANCIAL POWER | MW | \$0.015 | \$0.023 |
| FINANCIAL POWER | MWH | \$0.00064 | \$0.00096 |
| FINANCIAL POWER | KW | \$0.000015 | \$0.000023 |
| FREIGHT | CHARTER DAY | \$0.48 | \$0.71 |
| FREIGHT | MT | \$0.00035 | \$0.00053 |
| FREIGHT | WORLDSCALE POINTS | \$0.00035 | \$0.00053 |
| METALS | DMT | \$0.0020 | \$0.0030 |
| METALS | FTO | \$0.00013 | \$0.00020 |
| METALS | LBS | \$0.00000076 | \$0.0000011 |
| METALS | MT | \$0.0017 | \$0.0025 |
| METALS | ST | \$0.0019 | \$0.0028 |
| METALS | T/O | \$0.000000052 | \$0.000000078 |
| PHYSICAL CRUDE OIL | BBL | \$0.00013 | \$0.00020 |
| PHYSICAL CRUDE OIL | CUBIC METERS | \$0.00085 | \$0.0013 |
| PHYSICAL CRUDE OIL | GAL | \$0.0000032 | \$0.0000048 |
| PHYSICAL NATURAL GAS | GJ | \$0.000022 | \$0.000033 |
| PHYSICAL NATURAL GAS | MMBTU | \$0.000021 | \$0.000031 |

| | | | |
|------------------------------------|------------------------|-------------|-------------|
| PHYSICAL NATURAL GAS LIQUIDS | BBL | \$0.00032 | \$0.00049 |
| PHYSICAL NATURAL GAS LIQUIDS | CUBIC METERS | \$0.0000032 | \$0.0000048 |
| PHYSICAL NATURAL GAS LIQUIDS | GAL | \$0.0000077 | \$0.000012 |
| PHYSICAL NATURAL GAS LIQUIDS | LBS | \$0.0000013 | \$0.0000019 |
| PHYSICAL POWER | MW | \$0.023 | \$0.015 |
| PHYSICAL POWER | MWH | \$0.00064 | \$0.00096 |
| PHYSICAL REFINED PRODUCTS | BBL | \$0.00013 | \$0.00020 |
| PHYSICAL REFINED PRODUCTS | GAL | \$0.0000032 | \$0.0000048 |
| UK FINANCIAL NATURAL GAS | THERM | \$0.0000021 | \$0.0000031 |
| UK FINANCIAL NATURAL GAS | MMBTU | \$0.0000021 | \$0.0000031 |
| UK FINANCIAL POWER | MWH | \$0.00024 | \$0.00036 |
| UK PHYSICAL NATURAL GAS | THERM | \$0.0000021 | \$0.0000031 |
| UK PHYSICAL POWER | MWH | \$0.00024 | \$0.00036 |
| VIRTUAL CURRENCIES | XBT | \$0.10 | \$0.15 |
| VIRTUAL CURRENCIES | ETH | \$0.004 | \$0.004 |
| VIRTUAL CURRENCIES | XRP | \$0.0000046 | \$0.0000046 |
| VIRTUAL CURRENCIES | BCH | \$0.0043 | \$0.0043 |
| VIRTUAL CURRENCIES | BSV | \$0.002 | \$0.002 |
| WEATHER | INDEX POINT | \$0.016 | \$0.024 |
| All | EXOTIC – Per Trade Fee | \$16.00 | \$16.00 |

Annex C: Repository Fees for the FX Asset Class

Set forth below are the Repository Fee Rates to be applied upon acceptance of an initial trade record in respect of Swaps in the FX Asset Class to the ICE SDR Service:

| Asset Class | Quantity Unit/Notional Unit | Rate when Contract Type = Swap or Forward | Rate when Contract Type = Option or Swaption |
|--------------------|------------------------------------|--|---|
| FX | BRL | \$0.00000014 | \$0.00000021 |
| FX | CAD | \$0.00000048 | \$0.00000072 |
| FX | CNY | \$0.00000014 | \$0.00000021 |
| FX | EUR | \$0.00000005 | \$0.00000075 |
| FX | GBP | \$0.00000069 | \$0.00000001 |
| FX | USD | \$0.00000045 | \$0.00000068 |

Annex D: Repository Fees for the Interest Rates Asset Class

Set forth below are the Repository Fee Rates to be applied upon acceptance of an initial trade record in respect of Swaps in the Interest Rates Asset Class to the ICE SDR Service:

| Asset Class | Swaps rate | Options/Swaptions Rate |
|-------------------------|---------------------------|-------------------------------|
| Interest Rates (USD) | \$1.02 per \$1mm notional | \$1.53 per \$1mm notional |
| Interest Rates (Euros) | \$1.08 per €1mm notional | \$1.62 per €1mm notional |
| Interest Rates (Pounds) | \$1.49 per £1mm notional | \$2.24 per £1mm notional |