

| Rate Table - All Products Excluding Underlying Symbol List A (34)                            |   |                 | Transaction Fee Per Contract                             |                   |   |                   |                         |                 |                   |   |             |             |             |
|--|---|-----------------|--|-------------------|---|-------------------|-------------------------|-----------------|-------------------|---|-------------|-------------|-------------|
| Capacity   | Products  | Capacity Code   | Manual   |                   | Electronic  |                   | AIM Agency/Primary (19) | AIM Contra (18) | AIM Response (20) |   |             |             |             |
|  |   |                 | Penny Classes  | Non-Penny Classes | Penny Classes   | Non-Penny Classes |                         |                 | Penny Classes     | Non-Penny Classes   |             |             |             |
| Customer (2)(8)(9)   | Equity Options  | C               |  |                   | {CK} \$0.00   |                   | {CK} \$0.00             | {YB} \$0.07     |                   |   |             |             |             |
|  | ETF and ETN Options                                       |                 | {CK} \$0.00  |                   | {CE} \$0.00 if adding liquidity {CA} \$0.18 if original order size is ≥100 contracts and removing liquidity {CD} \$0.00 if original order size is <100 contracts and removing liquidity |                   |                         |                 |                   |   |             |             |             |
|  | MRUT  |                 |  |                   | {CQ} \$0.02   |                   |                         |                 |                   |   |             |             |             |
|  | XSP (49)  |                 |  |                   | {CC} \$0.07 ≥10 contracts / {XC} (\$0.13) <10 contracts   |                   |                         |                 |                   |   |             |             |             |
|  | NANOS   |                 |  |                   | {NO} FREE   |                   |                         |                 |                   |   |             |             |             |
|  | MXACW, MXUSA, MXWLD                                       |                 |  |                   | {CG} \$0.05   |                   |                         |                 |                   |   |             |             |             |
|  | MXEA  |                 |  |                   | {CM} \$0.25   |                   |                         |                 |                   |   |             |             |             |
|  | MXEF  |                 |  |                   | {CN} \$0.25   |                   |                         |                 |                   |   |             |             |             |
|  | All Other Index Products                                  |                 |  |                   | {CB} \$0.18   |                   |                         |                 |                   |   |             |             |             |
|  | Sector Indexes (47)                                       |                 |  |                   | {CP} \$0.30   |                   |                         |                 |                   |   |             |             |             |
|  | RUT FLEX Micro  |                 |  |                   | {GA} \$0.009  |                   |                         |                 |                   |   |             |             |             |
|  | SPX FLEX Micro  |                 |  |                   | {GE} \$0.008  |                   |                         |                 |                   |   |             |             |             |
|  | MXEA/MXEF FLEX Micro                                      |                 |  |                   | {GG} \$0.004  |                   |                         |                 |                   |   |             |             |             |
|  | DJX FLEX Micro  |                 |  |                   | {GG} \$0.004  |                   |                         |                 |                   |   |             |             |             |
| Clearing Trading Permit Holder Proprietary (11)(16)  | MRUT  | F L             |  |                   | {FM} \$0.02   |                   | {YB} \$0.07             | {NB} \$0.50     | {NC} \$1.05       |   |             |             |             |
|  | XSP   |                 |  |                   | {XF} \$0.13   |                   |                         |                 |                   |   |             |             |             |
|  | NANOS   |                 |  |                   | {NN} \$0.01   |                   |                         |                 |                   |   |             |             |             |
|  | MXACW, MXUSA, MXWLD                                       |                 |  |                   | {FG} \$0.15   |                   |                         |                 |                   |   |             |             |             |
|  | Equity, ETF, and ETN Options and All Other Index Products |                 | {FA} \$0.20 - See Clearing Trading Permit Holder Fee Cap |                   | {FB} \$0.43   | {FC} \$0.70       |                         |                 |                   | {FD} \$0.20 - See Clearing Trading Permit Holder Fee Cap      |             |             |             |
|  | Sector Indexes (47)                                       |                 |  |                   | {FI} \$0.25   |                   |                         |                 |                   |   |             |             |             |
|  | Facilitation (11)   |                 | {FF} \$0.00  |                   | {FI} \$0.25   |                   |                         |                 |                   |   |             |             |             |
|  | RUT FLEX Micro  |                 |  |                   | {GA} \$0.009  |                   |                         |                 |                   |   |             |             |             |
|  | SPX FLEX Micro  |                 |  |                   | {GE} \$0.008  |                   |                         |                 |                   |   |             |             |             |
|  | MXEA/MXEF FLEX Micro                                      |                 | {GK} \$0.005   |                   | {GI} \$0.010  | {GK} \$0.005      |                         |                 |                   | {GL} \$0.003  |             |             |             |
|  | DJX FLEX Micro  |                 | {GK} \$0.005   |                   | {GJ} \$0.007  | {GK} \$0.005      |                         |                 |                   | {GL} \$0.003  |             |             |             |
|  | Cboe Options Market-Maker/DPM/LMM (10)                    |                 | MRUT   | M                 |   |                   |                         |                 |                   | {MM} \$0.03   |             | {YB} \$0.07 | {MD} \$0.25 |
|  |   |                 | XSP  |                   |   |                   |                         |                 |                   | {MC} \$0.15 Contra Customer / {MX} \$0.09 Contra Non-Customer |             |             |             |
|  |   |                 | NANOS  |                   |   |                   |                         |                 |                   | {NM} \$0.01   |             |             |             |
| MXACW, MXUSA, MXWLD  |   |                 |  |                   | {MG} \$0.10   |                   |                         |                 |                   |   |             |             |             |
| Equity, ETF, and ETN Options, Sector Indexes (47) and All Other Index Products               |   | {MB} \$0.35     |  |                   | {MA} \$0.23 - See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table  |                   |                         |                 |                   |   |             |             |             |
| RUT FLEX Micro   |   |                 |  |                   | {GA} \$0.009  |                   |                         |                 |                   |   |             |             |             |
| SPX FLEX Micro   |   |                 |  |                   | {GF} \$0.006  |                   |                         |                 |                   |   |             |             |             |
| MXEA/MXEF FLEX Micro   |   |                 |  |                   | {GH} \$0.005  | {GL} \$0.003      |                         |                 |                   |   |             |             |             |
| DJX FLEX Micro   |   |                 |  |                   | {GH} \$0.005  | {GL} \$0.003      |                         |                 |                   |   |             |             |             |
| Broker-Dealer (16)   |   | MRUT            | B N U J  |                   |   |                   | {BM} \$0.04             |                 | {YB} \$0.07       | {NB} \$0.50   | {NC} \$1.05 |             |             |
|  | XSP   |                 |  | {XB} \$0.17       |   |                   |                         |                 |                   |   |             |             |             |
|  | NANOS   |                 |  | {NN} \$0.01       |   |                   |                         |                 |                   |   |             |             |             |
|  | MXACW, MXUSA, MXWLD                                       |                 |  | {BG} \$0.20       |   |                   |                         |                 |                   |   |             |             |             |
|  | Equity, ETF, and ETN Options and All Other Index Products | {BA} \$0.25     |  | {BB} \$0.47       | {BC} \$0.75   | {BD} \$0.20       |                         |                 |                   |   |             |             |             |
|  | Sector Indexes (47)                                       |                 |  | {BE} \$0.40       |   |                   |                         |                 |                   |   |             |             |             |
|  | RUT FLEX Micro  | {GB} \$0.009    |  | {GC} \$0.012      | {GB} \$0.009  |                   |                         |                 |                   |   |             |             |             |
|  | SPX FLEX Micro  |                 |  | {GD} \$0.009      |   |                   |                         |                 |                   |   |             |             |             |
|  | MXEA/MXEF FLEX Micro                                      | {GK} \$0.005    |  | {GI} \$0.010      | {GK} \$0.005  | {GL} \$0.003      |                         |                 |                   |   |             |             |             |
|  | DJX FLEX Micro  | {GK} \$0.005    |  | {GJ} \$0.007      | {GK} \$0.005  | {GL} \$0.003      |                         |                 |                   |   |             |             |             |
| Complex Surcharge (35)   | Equity, ETF, and ETN Options and All Other Index Products | F J L M B N U   |  |                   | \$0.12  |                   |                         |                 |                   |   |             |             |             |
| Surcharge Fee (14) Index License   | MXEA, MXEF, MXACW and MXWLD                               |                 |  |                   | \$0.15  |                   |                         |                 |                   |   |             |             |             |
|  | DJX   |                 |  |                   | \$0.12  |                   |                         |                 |                   |   |             |             |             |
|  | Sector Indexes  |                 |  |                   | \$0.00 (47)   |                   |                         |                 |                   |   |             |             |             |
| FLEX Surcharge Fee (17) - DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NDX, NDXP and XSP Only | MRUT  | C F J L M B N U |  |                   | \$0.02  |                   |                         |                 |                   |   |             |             |             |
|  |   |                 |  |                   | \$0.10 (capped at \$250 per trade)  |                   |                         |                 |                   |   |             |             |             |
| Exotic Surcharge   |   | C               |  |                   | \$0.25 (\$0.03 for XSP and MRUT Only)   |                   |                         |                 |                   |   |             |             |             |

| Rate Table - Underlying Symbol List A (34) (37)(42)               |                        |  | Options Transaction Fees (1)(3)(4)(7)(13)(15)(33)(39)(12) |  |                          |                         |                         |   |                 |
|---|------------------------|--|---|--|--------------------------|-------------------------|-------------------------|---|-----------------|
| Capacity  |                        | Products   | Capacity Code   | Transaction Fee Per Contract by Premium Price  |                          |                         |                         | VIX and SPX (incl SPXw) Only (12)(37)(42) |                 |
|   |                        |  |   | \$0.00 - \$0.10  | \$0.11 - \$0.99          | \$1.00 - \$1.99         | \$2.00+                 | AIM Agency/Primary (19)                   | AIM Contra (18) |
| Customer (2)  |                        | OEX and XEO  | C   | {CO} \$0.35  |                          |                         |                         |   |                 |
|   |                        | RUT  |   | {CR} \$0.18  |                          |                         |                         |   |                 |
|   |                        | RLG, RLV, RUI and UKXM   |   | {WR} \$0.00  |                          |                         |                         |   |                 |
|   |                        | SPX (incl SPXW) and SPESG                                      |   | {CS} \$0.36  |                          | {CT} \$0.45             |                         | See Rates to Left                         |                 |
|   |                        | VIX (simple orders) (32)                                       |   | {CV} \$0.10  | {CW} \$0.25              | {CX} \$0.40             | {CY} \$0.45             | See Rates to Left                         |                 |
|   |                        | VIX (complex orders) (32)(43)                                  |   | {CZ}\$0.05/{CI} \$0.00   | {DA} \$0.17/{CI} \$0.00  | {DB} \$0.30/{CI} \$0.00 | {DC} \$0.45/{CI} \$0.00 | See Rates to Left                         |                 |
| Clearing Trading Permit Holder Proprietary (11)(12)(16)           |                        | SPX (incl SPXW) and SPESG (41)(12)                             | F L   | {FH} \$0.26 - See Cboe Options Clearing Trading Permit Holder Proprietary Products Sliding Scales/ {WR} \$0.00 RLG, RLV, RUI, UKXM Only  |                          |                         |                         |   |                 |
|   |                        | Underlying Symbol List A (34)                                  |   | {FK} \$0.25 - See Cboe Options Clearing Trading Permit Holder VIX Sliding Scale  |                          |                         |                         |   |                 |
| Cboe Options Market-Maker/ DPM/LMM (10)(42)                       |                        | SPX (incl SPXW) and SPESG (41)(12)                             | M   | {MS} \$0.28 - See SPX Liquidity Provider Sliding Scale/ {SC} \$0.00  |                          |                         |                         |   |                 |
|   |                        | RUT  |   | {MT} \$0.30  |                          |                         |                         |   |                 |
|   |                        | OEX and XEO  |   | {MR} \$0.20  |                          |                         |                         |   |                 |
|   |                        | RLG, RLV, RUI, UKXM  |   | {WR} \$0.00  |                          |                         |                         |   |                 |
|   |                        | VIX (45)(43)   |   | {MV} \$0.05/ {MI} 0.05   | {MW} \$0.23/ {MI} \$0.05 |                         |                         | See Rates to Left                         |                 |
|   |                        |  |   |  |                          |                         |                         |   |                 |
| Joint Back-Office (45)  |                        | OEX, XEO and VIX (43)  | B N U J   | {BR} \$0.40/{CI} \$0.00  |                          |                         |                         |   |                 |
|   |                        | SPX (incl SPXW) and SPESG (41)                                 |   | {BT} \$0.42  |                          |                         |                         |   |                 |
|   |                        | RUT  |   | {BS} \$0.25 Manual and AIM/ {BK} \$0.65 non-AIM Electronic   |                          |                         |                         |   |                 |
| Non-Trading Permit Holder Market Maker (16)(45) Professional (45) |                        | RLG, RLV, RUI and UKXM   | F J L M B N U   | {WR} \$0.00  |                          |                         |                         |   |                 |
|   |                        | RUT  |   | \$0.45   |                          |                         |                         |   |                 |
|   |                        | SPX (incl SPXW) (41)(12)                                       |   | \$0.20/ {SC} \$0.00  |                          |                         |                         |   |                 |
| Surcharge Fee (14) (Also applies to GTH)(37)(42)                  | Index License (41)(12) | OEX, XEO, and VIX  | F J L M B N U   | \$0.10 (\$0.00 for capacity codes F and L for VIX transactions where the VIX Premium is ≤ \$0.10 and the related series has an expiration of seven (7) calendar days or less.) |                          |                         |                         |   |                 |
|   |                        | RLG, RLV, RUI, and UKXM  |   | \$0.00   |                          |                         |                         |   |                 |
|   |                        |  |   |  |                          |                         |                         |   |                 |
| FLEX Surcharge Fee (17)(42)                                       |                        | Underlying Symbol List A (34) (except RLG, RLV, RUI, and UKXM) | C F J L M B N U   | \$0.10 (capped at \$250 per trade)   |                          |                         |                         |   |                 |
|   |                        | RLG, RLV, RUI, and UKXM  |   | \$0.00   |                          |                         |                         |   |                 |

|   |                                    |                 |  |        |
|---|------------------------------------|-----------------|--|--------|
| LEAPS Surcharge Fee                           | SPX                                | F J L M B N U   | 3 years to < 4 years to expiration - \$1.00<br>4 years to < 5 years to expiration - \$1.50<br>5 years to < 6 years to expiration - \$2.00<br>6+ years to expiration - \$2.50 |        |
| Exotic Surcharge (42)                         |                                    | C               | \$0.25   |        |
| Execution Surcharge (21)(12)(41)<br>(37)(42)  | SPX (not incl SPXW) and SPESG (15) | C F J L B N U   | \$0.21   |        |
|   | SPXW (electronic only)             |                 | \$0.14   |        |
| Customer Priority Surcharge (31)<br>(37)(42)  | VIX (Maker non-turner)             | C               | \$0.00   | \$0.20 |
| AIM Response Surcharge Fee (12)(41)(42)       | SPX (incl SPXW) and SPESG          | C F J L M B N U | \$0.05   |        |
| AIM Contra Surcharge Fee (12)(41)(42)         | SPX (incl SPXW) and SPESG          | C F J L M B N U | \$0.10   |        |
| AIM Agency/Primary Surcharge Fee (12)(41)(42) | SPX (incl SPXW) and SPESG          | C F J L M B N U | \$0.10   |        |
|   | VIX                                | C F J L M B N U | \$0.04   |        |
| SPX AIM Hybrid Surcharge (26)(42)             | SPX (incl SPXW)                    | J M B N U       | \$0.50   |        |
|   |                                    | F L             | \$0.39   |        |
| SPX AIM Hybrid Originator Surcharge (26)(42)  | SPX (incl SPXW)                    | C F J L M B N U | \$0.10   |        |
| RFC Execution Surcharge Fee (41)(21)(25)(42)  | SPX (incl SPXW)                    | C F J L M B N U | \$0.05   |        |
|   | VIX                                | C F J L M B N U | \$0.04   |        |
| Floor Broker Solicitation Surcharge Fee (40)  | SPX (incl SPXW)                    | F J L M B N U   | \$0.15   |        |

| SPX/SPXW and SPESG Liquidity Provider Sliding Scale (41)(33)(12)(37)(42) |      |                      |               |                              |  |
|--|------|----------------------|---------------|------------------------------|--|
| Capacity   | Tier | Volume Thresholds    | Capacity Code | Transaction Fee Per Contract | Notes  |
| Cboe Options Market-Maker/LMM  | 1    | 0.00% - 1.00%        | M             | \$0.28                       | Volume thresholds are based on total Market-Maker volume in SPX, SPXW and SPESG. |
|  | 2    | Above 1.00% - 4.00%  |               | \$0.26                       |  |
|  | 3    | Above 4.00% - 9.00%  |               | \$0.24                       |  |
|  | 4    | Above 9.00% - 15.00% |               | \$0.23                       |  |
|  | 5    | Above 15.00%         |               | \$0.21                       |  |

| Liquidity Provider Sliding Scale (6)(10)(33) |      |                     |               |                              |   |
|--|------|---------------------|---------------|------------------------------|---|
| Capacity                                     | Tier | Volume Thresholds   | Capacity Code | Transaction Fee Per Contract | Notes   |
| Cboe Options Market-Maker/DPM/LMM            | 1    | 0.00% - 0.05%       | M             | \$0.23                       | Volume thresholds are based on total national Market-Maker volume in all underlying symbols excluding Underlying Symbol List A (34), MRUT, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros during the calendar month. Applies in all underlying symbols excluding Underlying Symbol List A (34), MRUT, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros. |
|  | 2    | Above 0.05% - 0.80% |               | \$0.17                       |   |
|  | 3    | Above 0.80% - 1.50% |               | \$0.10                       |   |
|  | 4    | Above 1.50% - 2.25% |               | \$0.05                       |   |
|  | 5    | Above 2.25%         |               | \$0.03                       |   |

| Liquidity Provider Sliding Scale Adjustment Table (6)(44)(33) |                  |                                       |               |               |                   |               |                   |
|---|------------------|---------------------------------------|---------------|---------------|-------------------|---------------|-------------------|
| Capacity  | Performance Tier | Make Rate<br>(% Based on Prior Month) | Capacity Code | Maker Rebate  |                   | Taker Fee     |                   |
|   |                  |                                       |               | Penny Classes | Non-Penny Classes | Penny Classes | Non-Penny Classes |
| Cboe Options Market-Maker/DPM/LMM                             | 1                | 0% - 50%                              | M             | \$0.00        | \$0.00            | \$0.05        | \$0.10            |
|   | 2                | Above 50% - 60%                       |               | \$0.00        | \$0.00            | \$0.04        | \$0.07            |
|   | 3                | Above 60% - 75%                       |               | (\$0.01)      | \$0.00            | \$0.03        | \$0.05            |
|   | 4                | Above 75% - 90%                       |               | (\$0.02)      | \$0.00            | \$0.00        | \$0.04            |
|   | 5                | Above 90%                             |               | (\$0.03)      | \$0.00            | \$0.00        | \$0.00            |

| Volume Incentive Program (VIP)(6)(23)(36)(33)   |      |  |               |                     |        |         |        |
|---|------|--|---------------|---------------------|--------|---------|--------|
| Capacity  | Tier | Percentage Thresholds of National Customer Volume in All Underlying Symbols Excluding Underlying Symbol List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros (Monthly) | Capacity Code | Per Contract Credit |        |         |        |
|   |      |  |               | Simple              |        | Complex |        |
|   |      |  |               | Non-AIM             | AIM    | Non-AIM | AIM    |
| Customer/Broker-Dealer/Professional/<br>Joint Back-Office   | 1    | 0% - 0.75%   | C B J U       | \$0.00              | \$0.00 | \$0.00  | \$0.00 |
|   | 2    | Above 0.75% - 2.00%  |               | \$0.10              | \$0.09 | \$0.21  | \$0.19 |
|   | 3    | Above 2.00% - 4.00%  |               | \$0.12              | \$0.10 | \$0.23  | \$0.21 |
|   | 4    | Above 4.00%  |               | \$0.15              | \$0.14 | \$0.25  | \$0.24 |
| Notes   |      |  |               |                     |        |         |        |
| Volume for capacity B, J and U will count towards tier qualification only. Credits on orders executed electronically in AIM will be capped at 1,000 contracts per order for simple executions and 1,000 contracts per leg for complex executions. Credits on orders executed electronically in SUM will be capped at 1,000 contracts per auction quantity. All contracts executed in AIM and all contracts executed in SUM will continue to be counted towards the percentage thresholds even if they exceed the 1,000 contract cap for VIP credits. Additionally, multiple simple orders from the same affiliated TPH(s) in the same series on the same side of the market that are executed in AIM or SUM within a 3 second period will be aggregated for purposes of determining the order quantity subject to the cap. For this aggregation, activity in AIM and SUM will be aggregated separately. The AIM aggregation timer will begin with an order entered into AIM and continue for 3 seconds, aggregating any other orders entered into AIM in the same series on the same side of the market by the same affiliated TPH. The SUM aggregation timer will begin at the start of a SUM auction and continue for 3 seconds, aggregating any other orders executed in SUM in the same series on the same side of the market for the same affiliated TPH. Any portion of the original order quantity that is executed outside of SUM will not be part of the aggregation or counted towards the 1,000 contract threshold. A TPH will only receive the Complex credit rates for Complex volume if at least 32% for Tiers 1, 2, and 3 or 38% for Tier 4 of that TPH’s qualifying VIP volume in the previous month was comprised of Simple volume. If not, then the TPH’s Customer (C) Complex volume will receive credits at the applicable Simple credit rate only. |      |  |               |                     |        |         |        |

| Break-Up Credits (33)  |   |               |                     |                   |
|--|---|---------------|---------------------|-------------------|
| Capacity   | Products  | Capacity Code | Per Contract Credit |                   |
|  |   |               | Penny Classes       | Non-Penny Classes |
| Customer   | All Underlying Symbols Excluding Underlying Symbol List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros | C             | \$0.25              | \$0.60            |
| Break Up Credits apply to orders executed in AIM, SAM, FLEX AIM, and FLEX SAM. The Exchange will apply a Break-Up Credit to Customer Agency orders only when the Agency Order trades with a noncustomer, non-Market-Maker AIM Response (20). |   |               |                     |                   |

| Affiliate Volume Plan (AVP)(6)(23)(24)(33) |               |                  |                            |   |  |
|--|---------------|------------------|----------------------------|---|--|
| Capacity                                   | Capacity Code | VIP Tier Reached | MM Affiliate Access Credit | Liquidity Provider Sliding Scale Credit | Notes  |
| Cboe Options Market-Maker/DPM/LMM (10)     | M             | 1                | 0%                         | 0%                                      | If a Market-Maker affiliate ("affiliate" defined as having at least 75% common ownership between the two entities as reflected on each entity's Form BD, Schedule A)("Affiliate OFP") or Appointed OFP receives a credit under the Exchange's Volume Incentive Program ("VIP"), the Market-Maker will receive an access credit on their BOE Bulk Ports corresponding to the VIP tier reached. The Market-Maker will also receive a transaction fee credit on their sliding scale Market-Maker transaction fees, not including any additional surcharges or fees assessed as part of the Liquidity Provider Sliding Scale Adjustment Table. |
|  |               | 2                | 0%                         | 10%                                     |  |
|  |               | 3                | 0%                         | 15%                                     |  |
|  |               | 4                | 25%                        | 35%                                     |  |

| Marketing Fee (33)   |                       |               |                         |
|--|-----------------------|---------------|-------------------------|
| Capacity   | Product Line          | Capacity Code | Collection Per Contract |
| Cboe Options Market-Maker/DPM/LMM  | Penny Program Classes | M             | \$0.25                  |
|  | All Other Classes     |               | \$0.70                  |
| Notes  |                       |               |                         |
| The marketing fee will be assessed on transactions of Market-Makers (including DPMs and LMMs), resulting from customer orders at the per contract rate provided above on all classes of equity options, options on ETFs, options on ETNs and index options; except that the marketing fee shall not apply to Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, XSP, NANOS, FLEX Micros or Underlying Symbol List A (34). The fee will not apply to: Market-Maker-to-Market-Maker transactions including transactions resulting from orders from non-Trading Permit Holder market-makers; transactions resulting from penny cabinet trades and sub-penny cabinet trades; transactions in Flexible Exchange Options; transactions executed as a qualified contingent cross ("QCC") under Rule 6.53(u); transactions executed in open outcry; and transactions in the Penny Program classes resulting from orders executed through the Step Up Mechanism under Rule 5.35. A DPM under Cboe Options Rule 3.53, a "Preferred Market-Maker" under Cboe Options Rule 3.56 or a "Lead Market-Maker" under Cboe Options Rule 3.55 (collectively "Preferred Market-Maker") will be given access to the marketing fee funds generated from a Preferred order. The total balance of the undispersed marketing fees for the Preferred Market-Maker/DPM pool cannot exceed \$250,000. Each month, undisbursed marketing fees in excess of \$250,000 will be reimbursed to the Market-Makers that contributed to the pool based upon a one month look back and their pro-rata portion of the entire amount of marketing fee collected during that month. |                       |               |                         |

| Cboe Options Clearing Trading Permit Holder Proprietary Products Sliding Scale (11)(33)(41)(12)(37)(42) |   |                                       |               |                              |   |
|---|---|---------------------------------------|---------------|------------------------------|---|
| Capacity  | Tier  | Proprietary Product Volume Thresholds | Capacity Code | Transaction Fee Per Contract | Notes   |
| Clearing Trading Permit Holder Proprietary  | ≥ 25,000 ADV ≤ 69,999 ADV in all underlying symbols excluding Underlying Symbol List A (34) |                                       | F L           |                              | Clearing Trading Permit Holder Proprietary transaction fees and transaction fees for Non-Trading Permit Holder Affiliates (as defined in footnote 11) in Underlying Symbol List A (34) excluding VIX will be eligible for reduced rates using the Proprietary Products Sliding Scale. For each Clearing Trading Permit Holder, Cboe Options will assess the transaction fees calculated for all activity in Underlying Symbol List A (34) excluding VIX during a calendar month, provided a Clearing Trading Permit Holder reaches certain ADV thresholds in all underlying symbols, excluding 1) Underlying Symbol List A (34) or 2) any contracts for which a strategy cap has been applied (as defined in Footnote 13). Percentages are calculated by accounting for all volume in the respective products executed with an "F" or "L" Capacity Code, with volume in GTH aggregated with RTH and Curb volume for the same calendar month included for purposes of calculating the proprietary product volume thresholds and the reduced transaction fees per contract. |
|   | B3  | 0.00% - 6.50%                         |               | \$0.22                       |   |
|   | B2  | 6.51% - 8.50%                         |               | \$0.18                       |   |
|   | B1  | Above 8.50%                           |               | \$0.05                       |   |
|   | ≥ 70,000 ADV in all underlying symbols excluding Underlying Symbol List A (34)              |                                       |               |                              |   |
|   | A2  | 0.00% - 6.50%                         |               | \$0.18                       |   |
|   | A1  | Above 6.50%                           |               | \$0.04                       |   |

| Cboe Options Clearing Trading Permit Holder VIX Sliding Scale (11)(Also applies to GTH)(37)(42) |      |                       |               |                              |   |
|---|------|-----------------------|---------------|------------------------------|---|
| Capacity  | Tier | VIX Volume Thresholds | Capacity Code | Transaction Fee Per Contract | Notes   |
| Clearing Trading Permit Holder Proprietary  | 1    | 0.00% - 1.00%         | F L           | \$0.25                       | Clearing Trading Permit Holder Proprietary transaction fees and transaction fees for Non-Trading Permit Holder Affiliates (as defined in footnote 11) in VIX will be eligible for reduced rates using the VIX Sliding Scale. Percentages are calculated by accounting for all volume in VIX executed with an "F" or "L" Capacity Code, with volume in GTH aggregated with RTH and Curb volume for the same calendar month included for purposes of calculating the VIX volume thresholds and the reduced transaction fees per contract. |
|   | 2    | 1.01% - 5.50%         |               | \$0.15                       |   |
|   | 3    | 5.51% - 8.00%         |               | \$0.05                       |   |
|   | 4    | Above 8.00%           |               | \$0.01                       |   |

| Clearing Trading Permit Holder Fee Cap (11)(22)(33) |                                |               |                      |  |   |  |   |
|---|--------------------------------|---------------|----------------------|--|---|--|---|
| Capacity  | Execution Type                 | Capacity Code | (F) Fee Per Contract | Does Volume Count Toward \$65,000 Fee Cap? | Count Toward Proprietary Product Sliding Scale? | (C ) Volume of Paired Order Count for VIP? | Notes   |
| Clearing Trading Permit Holder Proprietary          | Electronic Penny (non-AIM)     | F L           | \$0.43               | No   | Yes   | N/A  | Clearing Trading Permit Holder Fee Cap Includes transaction fees assessed as part of a strategy cap (see Footnote 13). However, a Clearing Trading Permit Holder that has reached the Clearing Trading Permit Holder Fee Cap in a given month would no longer be eligible for Strategy Rebates as defined in Footnote 13. |
|   | Electronic Non-Penny (non-AIM) |               | \$0.70               | No   | Yes   | N/A  |   |
|   | Open Outcry                    |               | \$0.20               | Yes  | Yes   | No   |   |
|   | QCC                            |               | \$0.18               | Yes  | Yes   | No   |   |
|   | FLEX                           |               | \$0.25               | Yes  | Yes   | Yes  |   |
|   | AIM Primary Order              |               | \$0.20               | Yes  | Yes   | Yes  |   |
|   | AIM Facilitation Contra Order  |               | \$0.07               | Yes  | Yes   | Yes  |   |
|   | AIM Solicitation Contra Order  |               | \$0.07               | Yes  | Yes   | Yes  |   |
|   | Open Outcry Facilitation       |               | \$0.00               | No   | Yes   | No   |   |
|   | Open Outcry Solicitation       |               | \$0.20               | Yes  | Yes   | No   |   |

| Select Customer Options Reduction ("SCORE") Program (6)(48)(33)(41)(12)(37)(42) |      |  |                              | Notes  |
|---|------|--|------------------------------|--|
| Capacity  | Tier | Percentage of All Customer Retail Volume in Qualifying Classes | Discount Per Retail Contract | The SCORE Program is for Retail, Non-FLEX Customer ("C" capacity code) volume in the following options classes: SPX (including SPXW), VIX, RUT, MXEA, [& ]MXEF, MXACW, MXUSA & MXWLD ("Qualifying Classes"). The SCORE program is available to any Trading Permit Holder ("TPH") Originating Clearing Firm or non-TPH Originating Clearing Firm. For this program, an "Originating Clearing Firm", will be defined as either (a) the executing clearing OCC number on any transaction which does not also include a Clearing Member Trading Agreement ("CMTA") OCC clearing number or (b) the CMTA in the case of any transaction which does include a CMTA OCC clearing number. In order to participate, an Originating Firm must complete the SCORE Registration Form by the second to last business day of the month preceding the month in which their participation in the SCORE program will commence. The Exchange will aggregate an Originating Firm's volume with volume of their OCC clearing affiliates if such affiliates are reported to the Exchange via the SCORE Registration Form and there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. "Originating Firm" will refer to both an Originating Clearing Firm and any applicable affiliates. |
| Customer  | 1    | 0.00% - 5.00%  | \$0.00                       |  |
|   | 2    | Above 5.00% - 21.00%   | \$0.04                       |  |
|   | 3    | Above 21.00% - 31.00%  | \$0.05                       |  |
|   | 4    | Above 31.00% - 100.00%   | \$0.14                       |  |

| QCC Rate Table (13)                                     |               |                              |                     |  |  |
|---|---------------|------------------------------|---------------------|--|--|
| Capacity  | Capacity Code | Transaction Fee Per Contract | Per Contract Credit | Notes  |  |
| Customer  | C             | {QC} \$0.00                  | \$0.11              | Credits will be delivered to the TPH Firm that enters the order into Cboe Command but will only be paid on the initiating side of the QCC transaction. Credits will be capped at \$350,000 per month, per TPH. Credits of affiliated TPHs (TPHs with at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A) will be aggregated for purposes of determining whether a TPH has met the QCC credit cap. Credits will not be paid on Customer (C) to Customer (C) executions, Customer (C) to Professional (U) executions, or Professional (U) to Professional (U) executions. |  |
| Professional  | U             |                              |                     |  |  |
| Clearing Trading Permit Holder Proprietary (11)(12)(16) | F L           |                              |                     |  |  |
| Cboe Options Market-Maker/DPM/LMM                       | M             |                              |                     |  |  |
| Broker-Dealer (16)                                      | B             |                              |                     |  |  |
| Non-Trading Permit Holder Market Maker (16)             | N             |                              |                     |  |  |
| Joint Back-Office                                       | J             |                              |                     |  |  |
|   |               | {QN} \$0.18                  |                     | A QCC transaction is comprised of an 'initiating order' to buy (sell) at least 1,000 contracts, coupled with a contra-side order or orders totaling an equal number of contracts. For complex QCC transactions, the 1,000 contracts minimum is applied per leg.  |  |

| Customer Large Trade Discount (27)(Also applies to GTH)(37)(42)(33)                                      |                                    |               |                          |       |
|--|------------------------------------|---------------|--------------------------|-------|
| Regular customer transaction fees will only be charged up to the listed quantity of contracts per order. |                                    |               |                          |       |
| Capacity   | Products                           | Capacity Code | Transaction Fees         | Notes |
| Customer   | VIX (32)                           | C             | Charge only first 15,000 |       |
|  | SPX (includes SPXW), SPESG and XSP |               | Charge only first 20,000 |       |
|  | Other Index Options                |               | Charge only first 5,000  |       |
|  | ETF and ETN Options                |               | Charge only first 3,000  |       |

| Large Trade Discount (Also applies to GTH)(37)(42)(45)  |          |               |                     |       |
|---|----------|---------------|---------------------|-------|
| Regular transaction fees will only be charged up to the listed quantity of contracts per order.   |          |               |                     |       |
| Capacity  | Products | Capacity Code | Transaction Fees    | Notes |
| Cboe Options Market-Maker/ DPM/ LMM<br>Broker-Dealer (16)<br>Non-Trading Permit Holder Market Maker (16)<br>Professional /Joint Back-Office | VIX      | M B N U J     | Charge only 175,000 |       |

| Electronic Trading Permit Fees   |                |  |
|--|----------------|--|
| Type of Permit   | Cost Per Month | Notes  |
| Market-Maker Electronic Access Permit  | \$5,000        | Entitles the holder to act as a Market-Maker in RTH, GTH and Curb.   |
| Electronic Access Permit   | \$3,000        | Entitles the holder to access to the Exchange electronically, including those that act as a Clearing TPH, and submit orders to the Exchange in RTH, GTH and Curb. To act as a Clearing TPH in GTH, Clearing TPH must be registered with OCC for GTH session. |
| Clearing TPH Permit  | \$2,000        | Entitles the holder to act as solely as a Clearing TPH in RTH, GTH and Curb. To act as a Clearing TPH in GTH, Clearing TPH must be registered with OCC for GTH session.  |
| Access fees are non-refundable and are assessed through the integrated billing system during the first week of the following month. If a Trading Permit is issued during a calendar month after the first trading day of the month, the access fee for the Trading Permit for that calendar month is prorated based on the remaining trading days in the calendar month. Trading Permits will be renewed automatically for the next month unless the Trading Permit Holder submits written notification to the Membership Services Department by 4 p.m. CT on the second-to-last business day of the prior month to cancel the Trading Permit effective at or prior to the end of the applicable month. Trading Permit Holders will only be assessed a single monthly fee for each type of electronic Trading Permit it holds. |                |  |

| Market-Maker EAP Appointments Sliding Scale |          |                          |   |
|---|----------|--------------------------|---|
|   | Quantity | Monthly Fee (per permit) | Notes   |
| Appointment Units                           | 1        | \$0                      | Appointment units are set forth in Exchange Rule 5.50(g). Appointment Units for each assigned class will be aggregated for each Market-Maker and Market-Maker affiliate. If the sum of appointments is a fractional amount, the total will be rounded up to the next highest whole Appointment Unit. Total quantity is determined by the highest quantity used at any point during the month. |
|   | 2        | \$6,000                  |   |
|   | 3 to 5   | \$4,000                  |   |
|   | > 5      | \$3,100                  |   |

| Market-Maker Tier Appointment Fees (41)(12) |  |                             |   |
|---|--|-----------------------------|---|
| Symbol                                      | Criteria   | Monthly Fees (per unit)     | Notes   |
| SPX   | MM Floor Permit executes any contracts in SPX/SPXW             | \$5,000 per MM Floor Permit | The SPX Surcharge will not be assessed to a Market-Maker Floor Permit Holder who only executes SPX (including SPXW) options transactions as part of multi-class broad-based index spread transactions.  |
|   | Market-Maker EAP executes at least 1,000 contracts in SPX/SPXW | \$3,000 per TPH             | The Market-Maker EAP SPX Tier Appointment fee will be assessed to any Market-Maker EAP that executes at least 1,000 contracts in SPX/SPXW, excluding contracts executed during opening rotation on the final settlement date of VIX options and futures which have the expiration that is used in the VIX settlement calculation. |
| VIX   | MM Floor Permit executes at least 1,000 contracts in VIX       | \$2,000 per MM Floor Permit |   |
|   | Market-Maker EAP executes at least 1,000 contracts in VIX      | \$2,000 per TPH             |   |
| RUT   | MM Floor Permit executes at least 1,000 contracts in RUT       | \$1,000 per MM Floor Permit |   |
|   | Market-Maker EAP executes at least 1,000 contracts in RUT      | \$1,000 per TPH             |   |

| Floor Broker Trading Surcharge (41)(33) |   |                         |   |
|---|---|-------------------------|---|
| Symbol                                  | Criteria  | Monthly Fees (per unit) | Notes   |
| SPX                                     | FB Trading Permit Holder executes >20,000 contracts in SPX/SPXW | \$3,000 per TPH         | If and to the extent that a Trading Permit Holder or TPH organization has more than one Floor Broker Trading Permit that is utilized to execute SPX options transactions, the SPX executions of that Trading Permit Holder or TPH organization shall be aggregated for purposes of determining this additional monthly fee and the Trading Permit Holder or TPH organization shall be charged a single \$3,000 fee for the combined SPX executions through those Floor Broker Trading permits if the executions exceed 20,000 contracts per month. The SPX Surcharge will not be assessed to a Floor Broker Trading Permit Holder who only executes SPX (including SPXW) options transactions as part of multi-class broad-based index spread transactions. |
| VIX                                     | FB Trading Permit Holder executes >20,000 contracts in VIX      | \$2,000 per TPH         | If and to the extent that a Trading Permit Holder or TPH organization has more than one Floor Broker Trading Permit that is utilized to execute VIX options transactions, the VIX executions of that Trading Permit Holder or TPH organization shall be aggregated for purposes of determining this additional monthly fee and the Trading Permit Holder or TPH organization shall be charged a single \$2,000 fee for the combined VIX executions through those Floor Broker Trading Permits if the executions exceed 20,000 contracts per month.  |

| Market-Maker Access Credit (44) |  |                                    |  |
|---------------------------------|--|------------------------------------|--|
|                                 | Liquidity Provider Sliding Scale Adjustment Performance Tier | % Credit on Monthly Bulk Port Fees | Notes  |
| MM Access Credit                | 1  | 0%                                 | The Performance Tier earned by a Market-Maker under the Liquidity Provider Sliding Scale Adjustment Table will determine the percentage credit applied to a Market-Maker's monthly Bulk Port fees. |
|                                 | 2  | 0%                                 |  |
|                                 | 3  | 0%                                 |  |
|                                 | 4  | 40%                                |  |
|                                 | 5  | 40%                                |  |

| Floor Trading Permit Sliding Scales (12) (24) |                 |                          |   |
|---|-----------------|--------------------------|---|
| Type of Permit                                | Permit Quantity | Monthly Fee (per permit) | Notes   |
| Market-Maker Floor Permit                     | 1               | \$6,000                  | Entitles the holder to act as a Market-Maker on the floor of the exchange.  |
|   | 2 to 5          | \$4,500                  |   |
|   | 6 to 10         | \$3,500                  |   |
|   | > 10            | \$2,000                  |   |
| Floor Broker Permit                           | 1               | \$7,500                  | Entitles the holder to act as a Floor Broker on the floor of the exchange. Any new TPH or existing TPH that has not held an active Floor Broker Permit in at least 12 months ("New Floor Brokers") will be eligible for reduced Floor Broker Permits fees. New Floor Brokers will pay \$500 per Floor Broker Permit, per month for the 1st and 2nd Floor Broker Permits. The rates set forth in the Floor Trading Permit Sliding Scale will apply for any additional Floor Broker Permits. A New Floor Broker is only eligible for reduced fees for 6 months starting from the month the 1st permit is activated. |
|   | 2 to 3          | \$5,700                  |   |
|   | 4 to 5          | \$4,500                  |   |
|   | > 5             | \$3,200                  |   |

Access fees are non-refundable and are assessed through the integrated billing system during the first week of the following month. If a Trading Permit is issued during a calendar month after the first trading day of the month, the access fee for the Trading Permit for that calendar month is prorated based on the remaining trading days in the calendar month. Trading Permits will be renewed automatically for the next month unless the Trading Permit Holder submits written notification to the Membership Services Department by 4 p.m. CT on the second-to-last business day of the prior month to cancel the Trading Permit effective at or prior to the end of the applicable month. Floor Trading Permit Fees are charged based on the maximum number of Floor Permit fees held during the month.

| Floor Broker Sliding Scale Rebate Program (39)(41)(33) |                                   |                             |   |
|--|-----------------------------------|-----------------------------|---|
| Tier   | Firm Facilitated Rebate (FF) (11) | Non-Firm Facilitated Rebate | Criteria (13)   |
| 1  | \$0.005                           | \$0.020                     | TPH has Volume in Non-Customer, Non-Strategy, Floor Broker Volume > 0         |
| 2  | \$0.010                           | \$0.040                     | TPH has Volume in Non-Customer, Non-Strategy, Floor Broker Volume ≥ 250,000   |
| 3  | \$0.020                           | \$0.070                     | TPH has Volume in Non-Customer, Non-Strategy, Floor Broker Volume ≥ 500,000   |
| 4  | \$0.025                           | \$0.100                     | TPH has Volume in Non-Customer, Non-Strategy, Floor Broker Volume ≥ 1,000,000 |

The Floor Broker Sliding Scale Rebate Program applies to all products except Underlying Symbol List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros. All rebates will apply only to Non-Customer, Non-Strategy, Floor Broker orders. Additionally, Non-Firm Facilitated rebates will apply to orders that do not yield fee code FF. The Exchange will aggregate a TPH's volume with the volume of its affiliates ("affiliate" defined as having at least 75% common ownership between the two entities as reflected on each entity's Form BD, Schedule A) for the purposes of calculating Volume each month.

| Floor Broker ADV Discount (41)(33) |                    |                            |  |
|------------------------------------|--------------------|----------------------------|--|
| Tier                               | ADV                | Floor Broker Permit Rebate | Notes  |
| 1                                  | 0 to 99,999        | 0%                         | Floor Broker Trading Permit fees will be eligible for rebates based on the average customer ("C") open-outcry contracts executed per day over the course of a calendar month in all underlying symbols. The Floor Broker ADV Discount will be available for all Floor Broker Trading Permits held by affiliated Trading Permit Holders and TPH organizations. For June 2020, ADV will be based on June 15 -June 30, 2020 volume. |
| 2                                  | 100,000 to 174,999 | 15%                        |  |
| 3                                  | > 174,999          | 25%                        |  |

| Floor Brokerage Fees (1)(5)(15)(33)                         |                    |                  |
|---|--------------------|------------------|
| Description   |                    | Fee Per Contract |
| OEX, XEO, RUT, RLG, RLV, RUI, UKXM, SPX/SPXW and SPESG (24) | Non-Crossed Orders | \$0.04           |
|   | Crossed Orders     | \$0.02           |
| VIX   | Non-Crossed Orders | \$0.03           |
|   | Crossed Orders     | \$0.015          |

| Floor Brokerage Fees Discount Scale (41)(33) |   |   |   |
|--|---|---|---|
| Tier   | Total Monthly Floor Broker Contracts Traded in Qualifying Classes | % Discount on Qualifying Brokerage Fees | Notes   |
| 1  | 0 - 250,000   | 0%                                      | This discount is based on total monthly floor broker volume in OEX, XEO, RUT, SPX, SPXW, SPESG, VIX and volatility index options. Once a volume threshold is attained during the month, the corresponding discount percentage will apply to all qualifying contracts. |
| 2  | 250,001 - 1,500,000   | 3%                                      |   |
| 3  | 1,500,001 - 5,000,000   | 4%                                      |   |
| 4  | 5,000,001 - 7,500,000   | 5%                                      |   |
| 5  | Above 7,500,000   | 6%                                      |   |

| GTH Executing Agent Subsidy Program(33)         |          |
|---|----------|
| GTH Monthly Customer SPX and VIX Options Volume | Subsidy  |
| 0-19,999 contracts                              | \$0.00   |
| 20,000-39,999 contracts                         | \$10,000 |
| 40,000-99,999 contracts                         | \$15,000 |
| 100,000+ contracts                              | \$50,000 |

A designated GTH executing agent will receive the monthly subsidy amount that corresponds to the number of contracts executed on behalf of customers (including public and broker-dealer customers) during GTH in a calendar month per the GTH Executing Agent Subsidy Program table above. To become a designated GTH executing agent, a TPH must submit a form to the Exchange no later than 3:00 p.m. on the second to last business day of a calendar month to be designated an GTH executing agent under the program, and thus eligible for the subsidy, beginning the following calendar month. The TPH must include on or with the form information demonstrating it maintains an GTH executing agent operation: (1) physically staffed throughout each entire GTH trading session and (2) willing to accept and execute orders on behalf of customers, including customers for which the agent does not hold accounts. The designation will be effective the first business day of the following calendar month, subject to the Exchange's confirmation the TPH's GTH executing agent operations satisfies these two conditions, and will remain in effect until the Exchange receives an email from the TPH terminating its designation or the Exchange determines the TPH's GTH executing agent operation no longer satisfies these two conditions.

| Sponsored User Fees |                       |   |
|---------------------|-----------------------|---|
| Type                | Fee                   | Notes   |
| Registration Fee    | \$2,500<br>(one time) | This fee is a one-time fee payable by a TPH organization for the registration of each of its Sponsored Users. The Sponsored User Program is governed by Cboe Options Rule 3.60. |

| Sales Value Fee  |   |
|--|---|
| Description  | Notes   |
| Sales Value Fee  | The Sales Value Fee ("Fee") is assessed by Cboe Options to each Trading Permit Holder for sales of securities in the following circumstances: (i) when a sale in option securities occurs with respect to which Cboe Options is obligated to pay a fee to the SEC under Section 31 of the Exchange Act and (ii) when a sell order in option securities is routed for execution at a market other than on Cboe Options, resulting in a covered sale on that market and an obligation of the routing broker providing Routing Services for Cboe Options, as described in Cboe Options Rule 5.36, to pay the related sales fee of that market. To the extent there may be any excess monies collected under this Section 6, the Exchange may retain those monies to help fund its general operating expenses. The Exchange may reimburse its routing broker for all Section 31-related fees incurred by the routing broker in connection with the Routing Services it provides. The sales transactions to which the Fee applies are sales of options (other than options on a security index) and sales of securities resulting from the exercise of physical-delivery options traded on Cboe Options. The Fee is collected either indirectly from Trading Permit Holders through their clearing firms by OCC on behalf of Cboe Options with respect to options sales and options exercises or directly from Trading Permit Holders with respect to on-floor position transfers between unaffiliated Trading Permit Holders. The amount of the Fee is calculated as described below. |
| Calculation of Fee for Options Sales and Options Exercises | The Sales Value Fee is equal to (i) the Section 31 fee rate multiplied by (ii) the Trading Permit Holder's aggregate dollar amount of covered sales resulting from options transactions occurring on the Exchange during any computational period.  |
| Calculation of Fee for Non-Options Sales                   | The Sales Value Fee is calculated using the same formula as the formula above for options transactions, except as applied only to the Trading Permit Holder's covered sales other than those resulting from options transactions.   |

| Floor Facility Fees (per month)(28)  |   |                                    |  |
|--|---|------------------------------------|--|
| A copy of the Cboe Options Trading Floor Booth Policy is located at <a href="http://www.Cboe.org">www.Cboe.org</a> . |   |                                    |  |
| Booths   | Booth Quantity  | Fee Per Month Per Booth            | Notes  |
| Booth Rental Fee -Perimeter (12)(24)   | 1-2   | \$400                              | Booth Fees are progressive. For example, a TPH that rents 4 Booths would be charged a monthly fee of \$1,400 (i.e., 2 Booths x \$400 each and 2 Booths at \$300 each). |
|  | 3-6   | \$300                              |  |
|  | 7-10  | \$200                              |  |
|  | >10   | \$100                              |  |
| Booth Rental Fee - In-Crowd(12)(24)  | ≥1  | \$750                              |  |
| Booth Pass-Through Fee   | A TPH Organization shall be responsible for all costs associated with any modifications and alterations to any trading floor booths leased by the TPH Organization and shall reimburse Cboe Options for all costs incurred by Cboe Options in connection therewith. |                                    |  |
| Access Badges  |   | Fee                                |  |
| Badge Type   | Floor Manager (12)  | \$130                              |  |
|  | Clerks and other TPH Employees (12)   | \$70                               |  |
| Lines  |   | Monthly Fee                        | Installation   |
| Line to Cboe Floor Network   |   | \$350/line                         | \$500.00   |
| Co-Location  |   | Monthly Fee                        | Installation   |
| Co-Location of Equipment Fee (per 4"U" - 7 inches)   |   | \$200                              |  |
| Cross Connect  |   | \$25                               | \$500.00   |
| Cboe Datacenter Services (\$100/.5 hour, 1 hr. min.)   |   |                                    |  |
| Trading Floor Device Fees  |   | Monthly Fee                        | Notes  |
| Exchange Tablet  |   | \$140/per tablet                   |  |
| TPH-Owned Device Authentication Fee  |   | \$100/per authenticated connection | Fees are charged based on the maximum number of concurrent authenticated connections during market hours during the month.   |
| PAR Access (12)  |   | \$45                               |  |
| Replacement Fees   |   | Fee                                | Notes  |
| Replacement Tablet   |   | \$1,400 each                       | Fees are assessed only on items that are (1) lost or (2) damaged from non-normal wear and tear.  |
| Replacement Stylus Pens  |   | \$100 each                         |  |
| Replacement Chargers   |   | \$75 each                          |  |
| Replacement Ethernet Adapters and Protective Cases   |   | \$50 each                          |  |
| Replacement Access Badge   |   | \$100 each                         |  |



**Floor Facility Fees (per month)(28)**

**Market Data Fees (49)(50)**

| Cboe Options Top          |  | Monthly Fee   |  | Notes |
|---------------------------|--|---|--|-------|
| Internal Distribution Fee |  | \$9,000   |  |       |
| External Distribution Fee | \$5,000  | New External Distributors will not be charged an External Distribution Fee for their first three (3) months (the "New External Distributor Credit"). Any trial usage period for Cboe Options Top pursuant to Footnote 50 will not be counted towards the first three (3) months. Each External Distributor will also be eligible to receive a credit against its monthly Distributor Fee for the Cboe Options Top equal to the amount of its monthly User Fees or Enterprise Fee up to a maximum of the External Distributor Fee for the Cboe Options Top. External Distributors will not be eligible to receive the credit during an External Distributor's trial usage period pursuant to Footnote 50 for Cboe Options Top or while they are receiving the New External Distributor Credit. |  |       |
| Professional User Fee     | \$15.50/user   |   |  |       |
| Non-Professional User Fee | \$0.30/user  |   |  |       |
| Enterprise Fee            | ≤1,500,000 users   | \$300,000   | As an alternative to Professional and Non-Professional User fees, a Distributor may purchase a monthly Enterprise license to receive the Cboe Options Top for distribution to defined number of Professional and Non-Professional Users. A Distributor must pay a separate Enterprise Fee for each entity for which it controls the display of the Cboe Options Top if it wishes for such entity's Users to be covered by the Enterprise Fee. Tiers 1 and 2 will be subject to monthly reporting requirements and Tier 3 will be required to report every 6-months. The Enterprise Fee is in addition to the Distributor Fee and is non-progressive. Distributors may purchase an Enterprise license on a monthly or annual basis. Annual Enterprise licenses will receive a 5% discount.  |       |
|                           | 1,500,001 - 2,500,000 users  | \$450,000   |  |       |
|                           | ≥2,500,001 users   | \$600,000   |  |       |
| Floor Broker User Fees    | \$100 per Approved Third-Party Device for Floor Broker Users (subject to a monthly cap of \$1000 per TPH firm) | Floor Broker User fees are payable only for Cboe Options Floor Brokers accessing the Cboe Options Top data feed via Approved Third-Party Devices for managing and executing orders on the Cboe Options trading floor. Third-party vendors who distribute Cboe Options Top to Floor Broker Users via Approved Third-Party Devices must report to the Exchange the number of Approved Third-Party Devices that receive Cboe Options Top data from such third party vendor during a calendar month within 15 days after such month in the manner and format specified by the Exchange from time to time to determine applicable fees.  |  |       |
| Cboe One Options          |  | Monthly Fee   |  | Notes |
| Internal Distribution Fee |  | \$15,000  |  |       |
| External Distribution Fee | \$10,000   | New External Distributors will not be charged an External Distribution Fee for their first three (3) months (the "New External Distributor Credit"). Any trial usage period for Cboe One Options pursuant to Footnote 50 will not be counted towards the first three (3) months. Each External Distributor will also be eligible to receive a credit against its monthly Distributor Fee for the Cboe One Options equal to the amount of its monthly User Fees or Enterprise Fee up to a maximum of the External Distributor Fee for the Cboe One Options. External Distributors will not be eligible to receive the credit during an External Distributor's trial usage period pursuant to Footnote 50 for Cboe One Options or while they are receiving the New External Distributor Credit. |  |       |
| Professional User Fee     | \$30.50/user   | Each External Distributor will be eligible to receive a credit against its monthly Distributor Fee for the Cboe One Options Feed equal to the amount of its monthly User Fees up to a maximum of the External Distributor Fee for the Cboe One Options Feed.  |  |       |
| Non-Professional User Fee | \$0.60/user  |   |  |       |
| Enterprise Fee            | ≤1,500,000 users   | \$350,000   | As an alternative to Professional and Non-Professional User fees, a Distributor may purchase a monthly Enterprise license to receive the Cboe One Options for distribution to a defined number of Professional and Non-Professional Users. A Distributor must pay a separate Enterprise Fee for each entity for which it controls the display of the Cboe One Options if it wishes for such entity's Users to be covered by the Enterprise Fee. Tiers 1 and 2 will be subject to monthly reporting requirements and Tier 3 will be required to report every 6-months. The Enterprise Fee is in addition to the Distributor Fee and is non-progressive. Distributors may purchase an Enterprise license on a monthly or annual basis. Annual Enterprise licenses will receive a 5% discount. Each External Distributor will be eligible to receive a credit against its monthly Distributor Fee for the Cboe One Options Feed equal to the amount of its monthly Enterprise Fees up to a maximum of the External Distributor Fee for the Cboe One Options Feed. |       |
|                           | 1,500,001 - 2,500,000 users  | \$550,000   |  |       |
|                           | ≥2,500,001 users   | \$750,000   |  |       |
| Data Consolidation Fee    | \$500  | Applicable to External Distributors only.   |  |       |

**Cboe Exchange, Inc.**  
**Fees Schedule - April 10, 2024**

| Cboe Options Depth                                     | Monthly Fee                | Notes  |
|--|----------------------------|--|
| Distribution Fee                                       | \$9,000                    | Distribution Fee applies for Internal and External distribution. The Distribution Fee for Cboe Options Depth Feed is waived for Internal Distributors of Cboe Options Top Feed.  |
| User Fee   | \$50 per Device or User ID | User Fee applies only for "external" Display Only Service users (i.e., Devices or user IDs of Display Only Service users who receive data from a Distributor and are not employees or natural person independent contractors of the Distributor, the Distributor's affiliates or an authorized service facilitator).                                     |
| Historical Depth                                       | \$1500 per month           | Historical Depth Data is provided to data recipients for internal use only; no redistribution is permitted.  |
| Cboe Options Complex Order Book (COB)                  | Monthly Fee                | Notes  |
| Distribution Fee                                       | \$3,000                    | Distribution Fee applies for Internal and External distribution. The Distribution Fee for Cboe Options COB Feed is waived for Internal Distributors of Cboe Options Top Feed and/or Distributors (Internal or External) of Cboe Options Depth Feed.  |
| User Fee   | \$25 per Device or User ID | User Fee applies for both "internal" Professional Users (Devices or user IDs of employees of a Distributor) and "external" Professional Users (Devices or user IDs of Professional Users who receive the Data from a Distributor and are not employed by the Distributor). No User fee is assessed for Non-Professional Users.                           |
| Cboe Options FLEX Options                              | Monthly Fee                | Notes  |
| Distribution Fee                                       | \$0                        |  |
| User Fee   | \$0                        |  |
| Enhanced Controlled Data Distribution ("ECDD") Program | Monthly Fee                | Notes  |
| User Quantity  |                            | The ECDD program fees are charged to Distributors that offer ECDD subscribers with display access to the Top Data Feed, Depth Data Feed, or the COB Data Feed along with access to an Application Program Interface ("API") or similar solution. One User Fee allows access to the Cboe Options Top, Cboe Options Depth, and Cboe Options COB Data Feeds |
| 1-5  | \$500/User                 |  |
| 6-20   | \$200/User                 |  |
| 21+  | \$50/User                  |  |
| System Fee   | Monthly Fee                | Notes  |
|  |                            |  |
| Direct Data Access Fee                                 | \$1,000/data source        | The Direct Data Access fee is payable by any Distributor that receives data through a direct connection to the Exchange or through a connection to the Exchange provided by an extranet service provider. The fee applies to receipt of any Cboe Options data feed but is only assessed once per data source.  |

| Livevol Fees (\$1)        |                   |                                  |   |                                      |   |  |
|---------------------------|-------------------|----------------------------------|---|--------------------------------------|---|--|
| Open-Close Data           |                   |                                  |   |                                      |   |  |
| Data Products             |                   |                                  | Download** all Cboe Securities (Equities, Indexes and ETFs) |                                      | Download Daily Updates all Cboe Securities (Equities, Indexes & ETFs) | Notes  |
|                           |                   |                                  | One-Four Years (price per month)                            | Five or More Years (price per month) | Monthly   | *Academic discount applies. Qualifying Academic Purchasers will be charged \$1,500 per year and \$125 per month for each additional month.   |
| Open Close                |                   |                                  | \$600.00*   | \$300.00*                            | \$600.00  | **File sizes larger than 500GB will be shipped to purchaser on a hard drive.   |
|                           |                   |                                  |   |                                      |   |  |
| Intraday Open-Close Data  |                   |                                  |   |                                      |   |  |
| Data Products             | Subscription Fee  | Ad-hoc Request (historical data) |   |                                      |   | *Academic discount applies to Ad-hoc Requests. Qualifying Academic Purchasers will be charged \$3,000 per year for the first year and \$250 per month for each additional month.   |
| Intraday Open Close       | \$3,000 per month | \$1,000 per month                |   |                                      |   | **A free trial is available for up to 6 months of Intraday Open-Close Historical Data to both TPHs and non-TPHs who have not previously subscribed to Intraday Open-Close Historical Data or previously recieved a free trial.   |
|                           | \$36,000 per year |                                  |   |                                      |   |  |
| Open-Close Derived Data   |                   |                                  |   |                                      |   |  |
| External Distribution Fee | \$5,000 per month |                                  |   |                                      |   | The fee for external distribution of Derived Data from Open-Close Data is in addition to fees for the End-of-Day product or the Intraday product, or both, as applicable. "Derived Data" is pricing data or other data that (i) is created in whole or in part from Data, (ii) is not an index or financial product, and (iii) cannot be readily reverse-engineered to recreate Data or used to create other data that is a reasonable facsimile or substitute for Data. |

\*Academic discount applies. Qualifying Academic Purchasers will be charged \$1,500 per year and \$125 per month for each additional month.

\*\*File sizes larger than 500GB will be shipped to purchaser on a hard drive.

\*Academic discount applies to Ad-hoc Requests. Qualifying Academic Purchasers will be charged \$3,000 per year for the first year and \$250 per month for each additional month.

\*\*A free trial is available for up to 6 months of Intraday Open-Close Historical Data to both TPHs and non-TPHs who have not previously subscribed to Intraday Open-Close Historical Data or previously recieved a free trial.

The fee for external distribution of Derived Data from Open-Close Data is in addition to fees for the End-of-Day product or the Intraday product, or both, as applicable. "Derived Data" is pricing data or other data that (i) is created in whole or in part from Data, (ii) is not an index or financial product, and (iii) cannot be readily reverse-engineered to recreate Data or used to create other data that is a reasonable facsimile or substitute for Data.

| Trade Processing Services (37)(42) |                            |  |
|------------------------------------|----------------------------|--|
| Description                        | Fee                        | Notes  |
| Matched Data                       | \$0.0025 per contract side | For billing purposes, fees will be rounded to the nearest \$0.01 using standard rounding rules on a monthly basis. |

| Trading Permit Holder Application Fees                        |         |  |
|---|---------|--|
| Description   | Fee     | Notes  |
| Individual (Trading Permit Holder/Nominee)                    | \$3,000 | Application fees related to a TPH organization's structural change are capped at \$10,000 (e.g. change from a limited partnership to a limited liability corporation). The Trading Permit Transfer Fee is capped at \$2,000 for a Trading Permit transfer request covering multiple Trading Permits. |
| Non-Trading Permit Holder Customer Business                   | \$3,000 |  |
| Order Service Firm  | \$1,650 |  |
| Associated Person   | \$500   |  |
| TPH Organization Application                                  | \$5,000 |  |
| Renewal/Change of Status                                      | \$500   |  |
| Subject to Statutory Disqualification                         | \$5,000 |  |
| Rule 19h- 1 Change in Status                                  | \$1,650 |  |
| Inactive Nominee Status (Parking Space) (12)(24)              | \$300   |  |
| Inactive Nominee Status Change (Trading Permit Swap) (12)(24) | \$100   |  |
| Fingerprint Processing Fee                                    | \$60    |  |
| Trading Permit Transfer Fee                                   | \$500   |  |
| TPH Organization Renewal Fee                                  | \$2,500 |  |

| Routing Fees (12) |                              |   |   |
|-------------------|------------------------------|---|---|
| Capacity          | Transaction Fee Per Contract | Description   | Notes   |
| Customer          | {RD} \$0.25                  | Routed to AMEX, BOX, EDGX, MIAx, PHLX (excluding SPY), ETF, Equity  | Multiple orders from the same executing firm for itself or for a CMTA or correspondent firm in the same series on the same side of the market that are received within 500 milliseconds will be aggregated for purposes of determining the order quantity. Cboe Options will not pass through or otherwise charge customer orders (of any size) routed to other exchanges that were originally transmitted to the Exchange from the trading floor through an Exchange-sponsored terminal. |
|                   | {RF} \$0.75                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, PHLX (SPY only), ETF, Equity, Penny   |   |
|                   | {RI} \$1.25                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, ETF, Equity, Non-Penny  |   |
|                   | {RS} \$0.48                  | Routed, Index   |   |
|                   | {TD} \$0.18                  | Routed to AMEX, BOX, EDGX, MIAx, PHLX, ≥ 100 contracts, ETF, originating on Exchange-sponsored terminal   |   |
|                   | {TE} \$0.00                  | Routed to AMEX, BOX, EDGX, MIAx, PHLX, < 100 contracts ETF, Equity, originating on Exchange-sponsored terminal  |   |
|                   | {TF} \$0.18                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, ≥ 100 contracts ETF, Penny, originating on Exchange-sponsored terminal            |   |
|                   | {TG} \$0.18                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, ≥ 100 contracts ETF, Non-Penny, originating on Exchange-sponsored terminal        |   |
|                   | {TH} \$0.00                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, <100 contracts ETF, Equity, Penny, originating on Exchange-sponsored terminal     |   |
|                   | {TI} \$0.00                  | Routed to ARCA, BX, BZX, C2, ISE, GMNI, MERC, EMLD, PERL, NOMX, MEMX, <100 contracts ETF, Equity, Non-Penny, originating on Exchange-sponsored terminal |   |
|                   | {TS} \$0.18                  | Routed, Index, originating on Exchange-sponsored terminal   |   |
|                   | {RJ} \$1.17                  | Routed, Penny   |   |
| Non-Customer      | {RK} \$1.45                  | Routed, Non-Penny   |   |

| Stock Portion of Stock-Option Strategy Orders |                              |           |  |  |
|---|------------------------------|-----------|--|--|
| Description                                   | Fee                          | Frequency | Description  | Notes  |
| Stock Portion of Stock-Option Strategy Orders | {EQ} \$0.0010                | per share | Equity Leg - Cowen   | The Exchange shall assess a fee of \$0.0010 per share for the stock portion, which Cboe Options must route to an outside venue, of QCC with Stock Orders or stock-option orders executed via the Complex Order Auction ("COA"), the Complex Order Book ("COB"), AIM, and SAM. This fee applies in addition to the fees assessed by the outside venue to which the stock portion of the order is routed if an exchange destination is specified on the original order (with such fees to be passed on to the market participant). A maximum of \$50.00 per execution will be assessed under this fee. |
|   | {EP} {EL} {EF} {ES} \$0.0000 | per share | Equity Leg - Penserra {EP}, Lubicki {EL}, FOG {EF}, and SRT {ES} |  |

| Regulatory Fees  |  |   |  |
|--|--|---|--|
| Description  |  | Fee   | Notes  |
| Options Regulatory Fee ("ORF") (37)(42)(46)  |  | \$0.0030 per contract through September 29, 2023, \$0.0017 per contract effective October 2, 2023 | The ORF is assessed by Cboe Options to each Trading Permit Holder for options transactions cleared by the Trading Permit Holder that are cleared by The Options Clearing Corporation (OCC) in the customer range, regardless of the exchange on which the transaction occurs. Cboe Options uses reports from OCC when assessing and collecting the ORF. The fee is collected by OCC on behalf of Cboe Options from the Clearing Trading Permit Holder (CTPH) or non-CTPH that ultimately clears the transaction. With respect to linkage transactions, Cboe Options reimburses its routing broker providing Routing Services pursuant to Cboe Options Rule 5.36 for options regulatory fees it incurs in connection with the Routing Services it provides. |
| Firm Designated Examining Authority Fee (37)(42)   |  | \$0.60 per \$1,000 of gross revenue   | Subject to a monthly minimum fee of \$1,500 for clearing firms and \$400 for non-clearing firms – As reported on quarterly FOCUS Report, Form X-17A-5. Excludes commodity commission revenue. The Firm Designated Examining Authority ("DEA") Fee is assessed quarterly; if the Exchange is the DEA for a TPH for less than all three months of the relevant quarter, the Firm DEA Fee for the TPH for that quarter is prorated based on the number of months in the quarter in which the Exchange acted as DEA for the TPH.   |
| The following fees will be collected and retained by FINRA via the Web CRD <sup>SM</sup> registration system for the registration of associated persons of Exchange Trading Permit Holder and TPH organizations that are not also FINRA members. |  |   |  |
| Web CRD <sup>SM</sup> Fees   | General Registration Fees  |   | Notes  |
|  | FINRA Non-Member Processing Fee                                  | \$125   | For all Initial, Transfer, Relicense, Dual registration Form U-4 filings. This fee will also be generated upon refiling to Web CRDSM of Cboe Options – only registered individuals.  |
|  | FINRA Disclosure Processing Fee (U-4, U-5, Form BD & amendments) | \$155   | For all registration, transfer, or termination filings with new or amended disclosure information or that require certification as well as any amendment to disclosure information.  |
|  | FINRA Annual System Processing Fee Assessed only during Renewals | \$45<br>\$70  | \$45 through December 31, 2023.<br>\$70 effective January 2, 2024.   |
|  | Fingerprint Processing Fees                                      |   | Notes  |
|  |  | Paper Electronic  |  |
|  | Initial Submission   | \$41.25   | \$31.25  |
|  | Second Submission  | \$30.00   | \$20.00  |
|  | Third Submission   | \$41.25   | \$31.25  |
|  | Other  | \$30.00   |  |
|  | Continuing Education Fees  |   | Submitted by Trading Permit Holders or TPH organizations on behalf of their associated persons who have had their prints processed through a self-regulatory organization ("SRO") other than FINRA.  |
|  | All Registration   | \$18  |  |
|  | Qualification Examination Waiver Request Fee                     | \$200 per exam waiver request   | This fee is assessed to a Trading Permit Holder for each waiver request of a non-FINRA examination submitted by the Trading Permit Holder.   |

| Regulatory Fees          |  |                  |  |
|--------------------------|--|------------------|--|
| Description              |  | Fee              | Notes  |
| Communication Review Fee |  | Regular Review   | 1) for printed material reviewed, \$150 per submission, plus \$25 for each page reviewed in excess of 5 pages; and 2) for video and audio media reviewed, \$150 per submission, plus \$25 per minute for each minute of tape reviewed in excess of 5 minutes.  |
|                          |  | Expedited Review | 1) for printed material reviewed, \$1,000 per submission, plus \$50 for each page reviewed in excess of 5 pages; and 2) for video and audio media reviewed, \$1,000 per submission, plus \$50 per minute for each minute of tape reviewed in excess of 5 minutes. Expedited review will be completed within five business days, not including the date the item is received by the Exchange, unless a shorter or longer period is agreed to by the Exchange. The Exchange may, in its sole discretion, refuse requests for expedited review. |

| Miscellaneous  |                                   |  |   |
|--|-----------------------------------|--|---|
| Description  | Fee                               | Frequency  | Notes   |
| Late Payment Penalty   | prime rate                        | Monthly  | Assessed to balances over 30 days old, per month, compounded  |
| Market Maker Failure to Change Appointment or Failure to Meet In-Person Trading Requirements | \$250                             | Quarterly  | Allowed 1 warning letter before fee   |
| DPM requests for post modifications/equipment  | Cboe Options costs passed-through |  |   |
| Crowd Space Dispute Resolution Hearing Fee   | \$1,000                           | per hearing, per Trading Permit Holder           | Fee is \$1,000 per hearing for each party to the dispute and will escalate under certain circumstances pursuant to Cboe Options Rule 5.93(e). After the hearing is held and all rights of appeal are exhausted, the prevailing party in dispute shall obtain a refund of the Hearing Fee from the Exchange. |
| Catastrophic Error Review Fee  | \$5,000                           |  | Assessed only if, after a request for review with the Exchange of a potential Catastrophic Error, an Official determines that a Catastrophic Error has not occurred.  |
| COVID-19 Test Fee  | Cboe Options costs passed-through | per test, per TPH and associated person of a TPH | The Exchange will waive the COVID-19 Test Fee if the test results are not received in timely manner .   |

| Exchange Data Reports |   |   |  |
|-----------------------|---|---|--|
| Report Type           | Description   | Fee   | Notes  |
| <b>C Level</b>        | Standard reports regularly generated and run by the Exchange and made available on a daily, weekly or monthly basis (for example, Monthly LP Scorecard, Daily Firm Report, etc.) that do not require historical data generation, customization beyond a standard format (PDF, HTML, etc.) or distribution frequency (daily, weekly, monthly, etc.), or specialized development. | \$0.00  |  |
| <b>B Level</b>        | Initial report requests (or enhancements to existing subscriptions) that require less than one (1) man-hour to develop and/or generate.   | \$0.00  | Fees will be estimated in advance and such estimates will be provided to the requester. If the estimate changes once creation of the report begins, a revised estimate will be provided to the requester. Subscriptions to such reports will be provided at a cost of \$100 per month for monthly reports and \$200 per month for daily or weekly reports. |
| <b>A Level</b>        | Initial report requests (or enhancements to existing subscriptions) that require one (1) or more man-hours to develop and/or generate.  | \$100 for first 5 man-hours;<br>\$100 per hour for each additional man-hour |  |

| Service                                 | Monthly Fees (per port) | Notes   |
|---|-------------------------|---|
| 1 Gb Physical Port                      | \$1,500                 | Effective October 7, 2019, TPHs and non-TPHs may elect to connect to Cboe Options' trading system via new Physical Ports. Physical Port fees will be prorated based on the remaining trading days in the calendar month.  |
| 10 Gb Physical Port                     | \$7,000                 |   |
| 1 Gb Physical Port (Disaster Recovery)  | \$2,000                 | Disaster Recovery Physical Ports may be used to connect to the Disaster Recovery Systems of C2, Cboe BZX, Cboe BYX, Cboe EDGX, Cboe EDGA and CFE. Market participants will only be assessed a single fee for any Disaster Recovery Physical Port that accesses these exchanges. If a market participant maintains two Disaster Recovery Physical Ports of the same size in order to receive unicast and multicast connectivity, that market participant will only be assessed a single fee (e.g., if a TPH uses one 1 Gb Disaster Recovery Physical Port to receive only unicast traffic and one 1 Gb Disaster Recovery Physical Port to receive only multicast traffic, the TPH will be charged \$2,000 per month) |
| 10 Gb Physical Port (Disaster Recovery) | \$6,000                 |   |

| Logical Connectivity Fees  |          |                                    |   |
|--|----------|------------------------------------|---|
| Service  | Quantity | Monthly Fees (per port)            | Notes   |
| BOE/FIX Logical Ports  | 1 to 5   | \$750                              | Each BOE or FIX Logical Port will incur the logical port fee indicated when used to enter up to 70,000 orders per trading day per logical port as measured on average in a single month. Each incremental usage of up to 70,000 per day per logical port will incur an additional logical port fee of \$800 per month. Incremental usage will be determined on a monthly basis based on the average orders per day entered in a single month across all subscribed BOE and FIX Logical Ports. Fees for one FIX Logical Port connection used to access Cboe Silexx will be waived per TPH. |
|  | > 5      | \$800                              |   |
| BOE Bulk Logical Ports   | 1 to 5   | \$1,500                            | Each BOE Bulk Logical Port will incur the logical port fee indicated when used to enter up to 30,000,000 orders per trading day per logical port as measured on average in a single month. Each incremental usage of up to 30,000,000 orders per day per BOE Bulk Logical Port will incur an additional logical port fee of \$3,000 per month. Incremental usage will be determined on a monthly basis based on the average orders per day entered in a single month across all subscribed BOE Bulk Logical Ports.  |
|  | 6 to 30  | \$2,500                            |   |
|  | > 30     | \$3,000                            |   |
| Drop Logical Ports   |          | \$750                              |   |
| Purge Ports  |          | \$850                              |   |
| GRP Ports  |          | \$750/primary (A or C Feed)        |   |
| Multicast PITCH/Top Spin Server Ports  |          | \$750/set of primary (A or C Feed) |   |
| Certification Logical Ports  |          | \$250                              |   |
| New requests will be prorated for the first month of service, except for Certification Logical Ports. Cancellation requests are billed in full month increments as firms are required to pay for the service for the remainder of the month, unless the session is terminated within the first month of service. Users will be entitled to receive one Certification Logical Port free of charge per each logical port type. |          |                                    |   |

| Trading Permit Holder Transaction Fee Policies and Rebate Programs<br>(37)(42) |  |
|--|--|
| Description  | Notes  |
| Trading Permit Holder Transaction Fees - Index Options                         | All Trading Permit Holders are eligible to pay no higher than Clearing Trading Permit Holder proprietary transaction fees, unless an individual Trading Permit Holder is a nominee for a TPH organization and is not an employee of the TPH organization. An exception to the above is allowed if preponderance of a Clearing Trading Permit Holder's business is for customer activity rather than its own firm proprietary account. Trading Permit Holders who are eligible for Clearing Trading Permit Holder proprietary rates but were charged customer rates (e.g. non-OCC members) must submit a rebate request no later than 60 days after the month-end to which the trade relates.   |
| Trading Permit Holder Transaction Fees - Equity and Index Options              | Transaction fees are charged to the executing firm designated in Cboe Options trade match records. With regard to CMTA firm proprietary activity, the Exchange and the OCC permit the "F" capacity code to designate firm proprietary activity. However, index customer transaction fees are assessed for index orders if the CMTA firm is not an Exchange Trading Permit Holder. In equities and QQQ options, the broker-dealer rate will be assessed.  |
| Error Account Transactions   | Error account transactions are eligible to receive market maker transaction fee rates. Clearing Trading Permit Holders and floor brokers are advised that the Exchange and the Options Clearing Corporation allow error account transactions to clear as market maker transactions, subject to applicable margin requirements. If a hardship exists in clearing the errors as market maker transactions, a rebate to market maker rates may be obtained by submitting a rebate request.  |
| Clearing Trading Permit Holder Position Re-Assignment                          | Cboe Options will rebate assessed transaction fees to an executing Clearing Trading Permit Holder who, as a result of a trade adjustment on any business day following the original trade, re-assigns a position established by the initial trade to a different executing Clearing Trading Permit Holder. In such a circumstance, the Exchange will rebate, for the party for whom the position is being re-assigned, that party's transaction fees from the original transaction as well as the transaction in which the position is re-assigned. In all other circumstances, including corrective transactions, in which a transaction is adjusted on any day after the original trade date, regular Exchange fees will be assessed. In order to receive a rebate, a written request in a form and manner prescribed by the Exchange, must be submitted within 3 business days after the original transaction occurred. |

| Order Router Subsidy Program (6)(13)(29)(33)         |               |                      |   |
|--|---------------|----------------------|---|
| Description  | Capacity Code | Subsidy Per Contract | Notes   |
| ORS Program  | C             | \$0.00               | Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Non-Cboe Options TPHs") that provide certain routing functionalities to other Cboe Options TPHs, Non-Cboe Options TPHs and/or use such functionalities themselves. Participating TPHs or participating Non-Cboe Options TPHs will receive a payment from Cboe Options for every executed contract (excluding those executed in AIM or as a QCC) for orders routed to Cboe Options through that participating Cboe Options TPH or Non-Cboe Options TPH's system to subsidize their costs associated with providing order routing functionalities.                       |
|  | F J L M B N U | \$0.07               |   |
|  |               | \$0.07               |   |
| Complex Order Router Subsidy Program (6)(13)(30)(33) |               |                      |   |
| Description  | Capacity Code | Subsidy Per Contract | Notes   |
| CORS Program   | C             | \$0.00               | Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Non-Cboe Options TPHs") that provide certain complex order routing functionalities to other Cboe Options TPHs, Non-Cboe Options TPHs and/or use such functionalities themselves. Participating TPHs or participating Non-Cboe Options TPHs will receive a payment from Cboe Options for every executed contract (excluding those executed in AIM or as a QCC) for complex orders routed to Cboe Options through that participating Cboe Options TPH or Non-Cboe Options TPH's system to subsidize their costs associated with providing order routing functionalities. |
|  | F J L M B N U | \$0.07               |   |
|  |               | \$0.07               |   |

| Frequent Trader Program (41)(12)(37)(42)(33)  |               |      |                              |                |                                    |                      |                              |                |
|---|---------------|------|------------------------------|----------------|------------------------------------|----------------------|------------------------------|----------------|
| Capacity  | Capacity Code | Tier | VIX                          |                | SPX / SPXW                         |                      | RUT                          |                |
|   |               |      | Monthly VIX Contracts Traded | VIX Fee Rebate | Monthly SPX/ SPXW Contracts Traded | SPX/ SPXW Fee Rebate | Monthly RUT Contracts Traded | RUT Fee Rebate |
| Customer/ Professional Customer   | C U           | 1    | 10,000 - 99,999              | 5%             | 10,000 - 49,999                    | 3%                   | 10,000 - 24,999              | 10%            |
|   |               | 2    | 100,000 - 299,999            | 15%            | 50,000 - 99,999                    | 6%                   | 25,000 - 49,999              | 15%            |
|   |               | 3    | 300,000 and above            | 25%            | 100,000 and above                  | 9%                   | 50,000 and above             | 25%            |
| Notes   |               |      |                              |                |                                    |                      |                              |                |
| Customers ("C" capacity code) and Professional Customers ("U" capacity code) (collectively "customers") can obtain a unique identification number ("Frequent Trader ID" or "FTID") which can be appended by executing agents to orders submitted to Cboe Options during RTH, Curb and GTH for both manual and electronic execution. A "customer" for this purpose is a non-Trading Permit Holder, non-broker-dealer. A customer may obtain an FTID by registering for the program at the Frequent Trader Program website. Each customer is responsible for requesting that its executing agent(s) appends the customer's unique FTID to the customer's order(s). Executing agents however, will not be required by the Exchange to append FTIDs to orders, but may choose to do so voluntarily. The volume associated with each FTID will be aggregated to qualify for the tiers and fee rebates of customer transaction fees shown in the table. The highest achieved threshold rebate rate will apply from the first executed contract. The rebates will be based on the actual amount of fees assessed in accordance with the Fees Schedule (e.g., if a customer submits a VIX order for 30,000 contracts, that customer would be assessed fees for only the first 15,000 contracts under the Customer Large Trade Discount Program. Therefore, the customer's rebate would be based on the amount of the fees assessed for 15,000 contracts, not on the value of the total 30,000 contracts executed). The Exchange will disperse a customer's rebates, pursuant to the customer's instructions, as a direct payment. For trades for which volume should have been allocated to one or more FTIDs than were entered on the trade at the time of execution, an executing TPH may add or modify FTID information on post-trade records using the Clearing Editor for changes on the trade date or electronically submit such FTID information to the Exchange in a form and manner prescribed by the Exchange no later 4:29 pm CT, or by such time that the Exchange submits its final trade submission to the Options Clearing Corporation ("OCC") if later than 4:29 pm CT, on the trade date. FTIDs may not be added to orders that were executed prior to the customer registering for the Frequent Trader Program. |               |      |                              |                |                                    |                      |                              |                |

Fees Schedule - April 10, 2024

| MRUT LMM Incentive Program  |               |                       |                 |      |                    |      |                     |      |                     |      |
|---|---------------|-----------------------|-----------------|------|--------------------|------|---------------------|------|---------------------|------|
| Capacity  | Capacity Code | Premium Level         | Expiring        |      | Near Term          |      | Mid Term            |      | Long Term           |      |
|   |               |                       | 14 days or less |      | 15 days to 60 days |      | 61 days to 270 days |      | 271 days or Greater |      |
|   |               |                       | Width           | Size | Width              | Size | Width               | Size | Width               | Size |
| LMM   | M             | \$0.00 - \$1.00       | \$0.08          | 1    | \$0.10             | 1    | \$0.15              | 1    | \$0.80              | 1    |
|   |               | \$1.01 - \$3.00       | \$0.14          | 1    | \$0.14             | 1    | \$0.15              | 1    | \$0.85              | 1    |
|   |               | \$3.01 - \$5.00       | \$0.14          | 1    | \$0.16             | 1    | \$0.20              | 1    | \$1.00              | 1    |
|   |               | \$5.01 - \$10.00      | \$0.45          | 1    | \$0.18             | 1    | \$0.35              | 1    | \$1.25              | 1    |
|   |               | \$10.01 - \$25.00     | \$1.25          | 1    | \$0.55             | 1    | \$0.50              | 1    | \$2.25              | 1    |
|   |               | \$25.01 - \$100.00    | \$3.00          | 1    | \$2.00             | 1    | \$1.75              | 1    | \$4.00              | 1    |
|   |               | Greater than \$100.00 | \$8.00          | 1    | \$8.00             | 1    | \$8.00              | 1    | \$8.00              | 1    |
| For MRUT, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 97% of the MRUT series 88% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$5,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |               |                       |                 |      |                    |      |                     |      |                     |      |

| MSCI LMM Incentive Program |               |  |                |      |                   |      |                     |      |                     |      |
|----------------------------|---------------|--|----------------|------|-------------------|------|---------------------|------|---------------------|------|
| Capacity                   | Capacity Code | Premium Level  | Expiring       |      | Near Term         |      | Mid Term            |      | Long Term           |      |
|                            |               |  | 6 days or less |      | 7 days to 60 days |      | 61 days to 270 days |      | 271 days or Greater |      |
|                            |               |  | Width          | Size | Width             | Size | Width               | Size | Width               | Size |
| LMM                        | M             | \$0.00 - \$5.00  | \$2.50         | 5    | \$1.10            | 10   | \$2.50              | 5    | \$5.00              | 5    |
|                            |               | \$5.01 - \$15.00   | \$6.00         | 3    | \$2.50            | 10   | \$5.00              | 5    | \$10.00             | 5    |
|                            |               | \$15.01 - \$50.00  | \$15.00        | 2    | \$4.50            | 5    | \$9.00              | 5    | \$20.00             | 5    |
|                            |               | \$50.01 - \$100.00   | \$25.00        | 1    | \$15.00           | 5    | \$20.00             | 5    | \$30.00             | 3    |
|                            |               | \$100.01 - \$200.00  | \$40.00        | 1    | \$25.00           | 2    | \$35.00             | 2    | \$48.00             | 2    |
|                            |               | Greater than \$200.00  | \$60.00        | 1    | \$40.00           | 1    | \$50.00             | 1    | \$72.00             | 1    |
|                            |               | For MXEA and MXEF, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 90% of the MXEA and MXEF series 80% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$15,000 per class, per month (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. In addition to the above rebate, the LMM with the highest performance in satisfying the above heightened quoting standards, measured independently per class, in a month will receive a performance payment of \$10,000 per class for that month. In order to be eligible to receive the performance payment in a month, an LMM must meet or exceed the above heightened quoting standards in that month. Highest performance is measured as the cumulative sum of series in which an LMM meets or exceeds the heightened quoting requirements by the total series each day (excluding the day in which an LMM missed meeting or exceeding the heightened quoting standard in the highest number of series). |                |      |                   |      |                     |      |                     |      |

| MXACW LMM Incentive Program |               |  |                |      |                   |      |                     |      |                     |      |
|-----------------------------|---------------|--|----------------|------|-------------------|------|---------------------|------|---------------------|------|
| Capacity                    | Capacity Code | Premium Level  | Expiring       |      | Near Term         |      | Mid Term            |      | Long Term           |      |
|                             |               |  | 6 days or less |      | 7 days to 60 days |      | 61 days to 270 days |      | 271 days or Greater |      |
|                             |               |  | Width          | Size | Width             | Size | Width               | Size | Width               | Size |
| LMM                         | M             | \$0.00 - \$1.00  | \$0.35         | 10   | \$0.25            | 20   | \$0.40              | 10   | \$0.50              | 5    |
|                             |               | \$1.01 - \$2.00  | \$0.40         | 10   | \$0.35            | 15   | \$0.60              | 7    | \$1.00              | 5    |
|                             |               | \$2.01 - \$4.00  | \$0.90         | 7    | \$0.40            | 15   | \$1.00              | 5    | \$2.00              | 5    |
|                             |               | \$4.01 - \$8.00  | \$1.00         | 5    | \$0.80            | 10   | \$2.00              | 4    | \$3.00              | 4    |
|                             |               | \$8.01 - \$16.00   | \$2.50         | 3    | \$1.30            | 5    | \$3.50              | 3    | \$5.00              | 3    |
|                             |               | \$16.01 - \$32.00  | \$5.00         | 2    | \$2.00            | 2    | \$4.00              | 2    | \$6.00              | 2    |
|                             |               | Greater than \$32.00   | \$10.00        | 2    | \$8.00            | 2    | \$10.00             | 2    | \$12.00             | 2    |
|                             |               | For MXACW, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 90% of the MXACW series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$10,000 per month (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. In addition to the above rebate, the LMM with the highest performance in satisfying the above heightened quoting standards in a month will receive a performance payment of \$20,000 for that month. In order to be eligible to receive the performance payment in a month, an LMM must meet or exceed the above heightened quoting standards in that month. Highest performance is measured as the cumulative sum of series in which an LMM meets or exceeds the heightened quoting requirements by the total series each day (excluding the day in which an LMM missed meeting or exceeding the heightened quoting standard in the highest number of series). |                |      |                   |      |                     |      |                     |      |

| MXUSA LMM Incentive Program  |               |                      |                |      |                   |      |                     |      |                     |      |
|--|---------------|----------------------|----------------|------|-------------------|------|---------------------|------|---------------------|------|
| Capacity   | Capacity Code | Premium Level        | Expiring       |      | Near Term         |      | Mid Term            |      | Long Term           |      |
|  |               |                      | 6 days or less |      | 7 days to 60 days |      | 61 days to 270 days |      | 271 days or Greater |      |
|  |               |                      | Width          | Size | Width             | Size | Width               | Size | Width               | Size |
| LMM  | M             | \$0.00 - \$3.00      | \$0.50         | 10   | \$0.60            | 10   | \$0.80              | 10   | \$1.00              | 10   |
|  |               | \$3.01 - \$5.00      | \$1.00         | 10   | \$0.80            | 10   | \$1.20              | 5    | \$1.50              | 5    |
|  |               | \$5.01 - \$10.00     | \$1.50         | 5    | \$1.20            | 10   | \$2.50              | 5    | \$2.00              | 5    |
|  |               | \$10.01 - \$20.00    | \$5.00         | 5    | \$3.50            | 5    | \$6.00              | 5    | \$6.00              | 5    |
|  |               | Greater than \$20.00 | \$10.00        | 5    | \$10.00           | 5    | \$12.00             | 5    | \$12.00             | 5    |
| For MXUSA, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 85% of the MXUSA series 80% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$10,000 per month (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. In addition to the above rebate, the LMM with the highest performance in satisfying the above heightened quoting standards in a month will receive a performance payment of \$15,000 for that month. In order to be eligible to receive the performance payment in a month, an LMM must meet or exceed the above heightened quoting standards in that month. Highest performance is measured as the cumulative sum of series in which an LMM meets or exceeds the heightened quoting requirements by the total series each day (excluding the day in which an LMM missed meeting or exceeding the heightened quoting standard in the highest number of series). |               |                      |                |      |                   |      |                     |      |                     |      |



| MXWLD LMM Incentive Program  |               |                      |                |      |                   |      |                     |      |                     |      |
|--|---------------|----------------------|----------------|------|-------------------|------|---------------------|------|---------------------|------|
| Capacity   | Capacity Code | Premium Level        | Expiring       |      | Near Term         |      | Mid Term            |      | Long Term           |      |
|  |               |                      | 6 days or less |      | 7 days to 60 days |      | 61 days to 270 days |      | 271 days or Greater |      |
|  |               |                      | Width          | Size | Width             | Size | Width               | Size | Width               | Size |
| LMM  | M             | \$0.00 - \$3.00      | \$0.30         | 25   | \$0.25            | 25   | \$0.60              | 15   | \$0.80              | 10   |
|  |               | \$3.01 - \$5.00      | \$0.60         | 20   | \$0.50            | 20   | \$1.00              | 15   | \$1.20              | 10   |
|  |               | \$5.01 - \$10.00     | \$0.75         | 10   | \$0.65            | 10   | \$1.25              | 10   | \$1.50              | 10   |
|  |               | \$10.01 - \$20.00    | \$2.00         | 5    | \$1.50            | 5    | \$3.00              | 5    | \$4.00              | 5    |
|  |               | Greater than \$20.00 | \$5.00         | 5    | \$3.00            | 5    | \$5.00              | 5    | \$7.00              | 5    |
| For MXWLD, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 90% of the MXWLD series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$15,000 per month (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. In addition to the above rebate, the LMM with the highest performance in satisfying the above heightened quoting standards in a month will receive a performance payment of \$25,000 for that month. In order to be eligible to receive the performance payment in a month, an LMM must meet or exceed the above heightened quoting standards in that month. Highest performance is measured as the cumulative sum of series in which an LMM meets or exceeds the heightened quoting requirements by the total series each day (excluding the day in which an LMM missed meeting or exceeding the heightened quoting standard in the highest number of series). |               |                      |                |      |                   |      |                     |      |                     |      |

| NANOS LMM Incentive Program |               |   |        |      |
|-----------------------------|---------------|---|--------|------|
| Capacity                    | Capacity Code | VIX Value at Prior Close < 30   |        |      |
|                             |               | Premium Level   | Width  | Size |
| LMM                         | M             | \$0.00 - \$2.00   | \$0.10 | 500  |
|                             |               | \$2.01 - \$5.00   | \$0.12 | 500  |
|                             |               | \$5.01 - \$15.00  | \$0.20 | 250  |
|                             |               | Greater than \$15.00  | \$0.31 | 100  |
|                             |               | VIX Value at Prior Close from ≥ 30  |        |      |
|                             |               | \$0.00 - \$2.00   | \$0.16 | 300  |
|                             |               | \$2.01 - \$5.00   | \$0.17 | 300  |
|                             |               | \$5.01 - \$15.00  | \$0.31 | 150  |
|                             |               | Greater than \$15.00  | \$0.38 | 100  |
|                             |               | For NANOS, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 97% of the NANOS series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$5,000 per month (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |        |      |

GTH VIX/VIXW LMM Incentive Program

GTH VIXW Basic Quoting Standards

| Capacity | Capacity Code | VIX Value at Prior Close < 18         |                                 |      |                                  |      |
|----------|---------------|---------------------------------------|---------------------------------|------|----------------------------------|------|
|          |               | Premium Level                         | Less than 21 days to expiration |      | 21 days or greater to expiration |      |
|          |               |                                       | Width                           | Size | Width                            | Size |
| LMM      | M             | \$0.00 - \$1.00                       | \$1.00                          | 10   | \$1.50                           | 10   |
|          |               | \$1.01 - \$3.00                       | \$1.50                          | 10   | \$2.50                           | 10   |
|          |               | \$3.01 - \$5.00                       | \$2.50                          | 3    | \$4.00                           | 3    |
|          |               | \$5.01 - \$10.00                      | \$4.00                          | 1    | \$6.00                           | 1    |
|          |               | \$10.01 - \$30.00                     | \$6.00                          | 1    | \$10.00                          | 1    |
|          |               | Greater than \$30.00                  | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | VIX Value at Prior Close from 18 - 25 |                                 |      |                                  |      |
|          |               | \$0.00 - \$1.00                       | \$1.50                          | 5    | \$2.00                           | 5    |
|          |               | \$1.01 - \$3.00                       | \$2.50                          | 5    | \$4.00                           | 5    |
|          |               | \$3.01 - \$5.00                       | \$4.00                          | 1    | \$5.00                           | 1    |
|          |               | \$5.01 - \$10.00                      | \$6.00                          | 1    | \$8.00                           | 1    |
|          |               | \$10.01 - \$30.00                     | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | Greater than \$30.00                  | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | VIX Value at Prior Close from > 25    |                                 |      |                                  |      |
|          |               | \$0.00 - \$1.00                       | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | \$1.01 - \$3.00                       | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | \$3.01 - \$5.00                       | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | \$5.01 - \$10.00                      | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | \$10.01 - \$30.00                     | \$10.00                         | 1    | \$10.00                          | 1    |
|          |               | Greater than \$30.00                  | \$10.00                         | 1    | \$10.00                          | 1    |

GTH VIX Basic Quoting Standards

| Capacity |   | Capacity Code                         | VIX Value at Prior Close < 18 |                   |         |                    |         |                     |         |                     |  |
|----------|---|---------------------------------------|-------------------------------|-------------------|---------|--------------------|---------|---------------------|---------|---------------------|--|
|          |   |                                       | Premium Level                 | Expiring          |         | Near Term          |         | Mid Term            |         | Long Term           |  |
|          |   |                                       |                               | Less than 15 days |         | 15 days to 60 days |         | 61 days to 180 days |         | 181 days or Greater |  |
|          |   |                                       | Width                         | Size              | Width   | Size               | Width   | Size                | Width   | Size                |  |
| LMM      | M | \$0.00 - \$1.00                       | \$0.35                        | 30                | \$0.25  | 40                 | \$0.35  | 30                  | \$0.80  | 5                   |  |
|          |   | \$1.01 - \$3.00                       | \$0.50                        | 15                | \$0.35  | 25                 | \$0.50  | 15                  | \$0.90  | 5                   |  |
|          |   | \$3.01 - \$5.00                       | \$0.60                        | 15                | \$0.35  | 15                 | \$0.60  | 10                  | \$1.00  | 5                   |  |
|          |   | \$5.01 - \$10.00                      | \$1.00                        | 10                | \$0.80  | 10                 | \$1.30  | 10                  | \$2.00  | 5                   |  |
|          |   | \$10.01 - \$30.00                     | \$2.00                        | 5                 | \$1.50  | 5                  | \$2.00  | 5                   | \$3.00  | 3                   |  |
|          |   | Greater than \$30.00                  | \$5.00                        | 3                 | \$3.00  | 3                  | \$5.00  | 3                   | \$5.00  | 3                   |  |
|          |   | VIX Value at Prior Close from 18 - 25 |                               |                   |         |                    |         |                     |         |                     |  |
|          |   | \$0.00 - \$1.00                       | \$0.50                        | 15                | \$0.35  | 30                 | \$0.50  | 15                  | \$1.00  | 5                   |  |
|          |   | \$1.01 - \$3.00                       | \$0.50                        | 10                | \$0.50  | 20                 | \$0.70  | 10                  | \$1.00  | 5                   |  |
|          |   | \$3.01 - \$5.00                       | \$0.80                        | 5                 | \$0.50  | 15                 | \$0.80  | 5                   | \$1.30  | 5                   |  |
|          |   | \$5.01 - \$10.00                      | \$1.50                        | 5                 | \$1.00  | 5                  | \$2.00  | 5                   | \$2.20  | 5                   |  |
|          |   | \$10.01 - \$30.00                     | \$3.00                        | 1                 | \$2.50  | 1                  | \$3.00  | 1                   | \$5.00  | 1                   |  |
|          |   | Greater than \$30.00                  | \$5.00                        | 1                 | \$5.00  | 1                  | \$5.00  | 1                   | \$10.00 | 1                   |  |
|          |   | VIX Value at Prior Close from > 25    |                               |                   |         |                    |         |                     |         |                     |  |
|          |   | \$0.00 - \$1.00                       | \$0.80                        | 10                | \$0.50  | 10                 | \$0.60  | 10                  | \$1.20  | 5                   |  |
|          |   | \$1.01 - \$3.00                       | \$1.00                        | 10                | \$0.75  | 10                 | \$1.00  | 10                  | \$1.20  | 5                   |  |
|          |   | \$3.01 - \$5.00                       | \$1.20                        | 5                 | \$0.90  | 10                 | \$1.20  | 5                   | \$1.80  | 5                   |  |
|          |   | \$5.01 - \$10.00                      | \$2.00                        | 5                 | \$1.50  | 5                  | \$2.50  | 5                   | \$3.00  | 3                   |  |
|          |   | \$10.01 - \$30.00                     | \$5.00                        | 1                 | \$5.00  | 1                  | \$5.00  | 1                   | \$7.00  | 1                   |  |
|          |   | Greater than \$30.00                  | \$10.00                       | 1                 | \$10.00 | 1                  | \$10.00 | 1                   | \$10.00 | 1                   |  |

For VIX and VIXW if the appointed LMM provides continuous electronic quotes during Global Trading Hours ("GTH") from 7:15PM CST to 8:15AM CST that meet or exceed the above basic quoting standards in at least 95% of each of the VIX and VIXW series, 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$25,000 for VIX and \$10,000 for VIXW (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the basic quoting standards and the heightened quoting standards each month, the Exchange will exclude from the calculation for each set of quoting standards the business day in which the LMM missed meeting or exceeding the quoting standards in the highest number of series that month.

| GTH1 SPX/SPXW LMM Incentive Program  |   |                                       |               |    |                               |      |                   |      |                     |      |                 |      |
|--|---|---------------------------------------|---------------|----|-------------------------------|------|-------------------|------|---------------------|------|-----------------|------|
| Capacity   |   | Capacity Code                         | Premium Level |    | VIX Value at Prior Close < 20 |      |                   |      |                     |      |                 |      |
|  |   |                                       |               |    | Expiring                      |      | Near Term         |      | Mid Term            |      | Long Term       |      |
|  |   |                                       |               |    | 7 days or less                |      | 8 days to 60 days |      | 61 days to 270 days |      | 271 to 500 days |      |
|  |   |                                       |               |    | Width                         | Size | Width             | Size | Width               | Size | Width           | Size |
| LMM  | M | \$0.00 - \$5.00                       | \$0.50        | 15 | \$0.40                        | 15   | \$0.60            | 5    | \$1.20              | 5    |                 |      |
|  |   | \$5.01 - \$15.00                      | \$0.70        | 15 | \$0.70                        | 15   | \$1.50            | 5    | \$2.50              | 5    |                 |      |
|  |   | \$15.01 - \$50.00                     | \$1.40        | 10 | \$2.00                        | 15   | \$2.00            | 5    | \$5.00              | 5    |                 |      |
|  |   | \$50.01 - \$100.00                    | \$7.00        | 5  | \$4.00                        | 10   | \$3.50            | 5    | \$6.00              | 5    |                 |      |
|  |   | \$100.01 - \$200.00                   | \$18.00       | 1  | \$6.00                        | 5    | \$5.00            | 5    | \$8.00              | 5    |                 |      |
|  |   | Greater than \$200.00                 | \$24.00       | 1  | \$10.00                       | 1    | \$12.00           | 1    | \$50.00             | 1    |                 |      |
|  |   | VIX Value at Prior Close from 20 - 30 |               |    |                               |      |                   |      |                     |      |                 |      |
|  |   | \$0.00 - \$5.00                       | \$0.70        | 10 | \$0.80                        | 10   | \$0.75            | 5    | \$2.00              | 5    |                 |      |
|  |   | \$5.01 - \$15.00                      | \$1.20        | 10 | \$1.10                        | 10   | \$2.40            | 5    | \$3.50              | 5    |                 |      |
|  |   | \$15.01 - \$50.00                     | \$3.00        | 10 | \$3.50                        | 10   | \$3.50            | 5    | \$6.00              | 5    |                 |      |
|  |   | \$50.01 - \$100.00                    | \$12.00       | 5  | \$7.00                        | 5    | \$4.00            | 5    | \$8.00              | 5    |                 |      |
|  |   | \$100.01 - \$200.00                   | \$24.00       | 1  | \$10.00                       | 1    | \$7.00            | 5    | \$12.00             | 5    |                 |      |
|  |   | Greater than \$200.00                 | \$30.00       | 1  | \$12.00                       | 1    | \$20.00           | 1    | \$60.00             | 1    |                 |      |
|  |   | VIX Value at Prior Close > 30         |               |    |                               |      |                   |      |                     |      |                 |      |
|  |   | \$0.00 - \$5.00                       | \$1.20        | 5  | \$1.20                        | 5    | \$1.00            | 5    | \$3.00              | 5    |                 |      |
|  |   | \$5.01 - \$15.00                      | \$3.00        | 5  | \$2.70                        | 5    | \$3.00            | 5    | \$5.00              | 5    |                 |      |
|  |   | \$15.01 - \$50.00                     | \$5.00        | 5  | \$5.50                        | 5    | \$6.00            | 5    | \$8.00              | 5    |                 |      |
|  |   | \$50.01 - \$100.00                    | \$16.00       | 5  | \$12.00                       | 5    | \$5.00            | 3    | \$10.00             | 1    |                 |      |
|  |   | \$100.01 - \$200.00                   | \$20.00       | 1  | \$15.00                       | 5    | \$15.00           | 1    | \$18.00             | 1    |                 |      |
|  |   | Greater than \$200.00                 | \$30.00       | 1  | \$30.00                       | 1    | \$30.00           | 1    | \$70.00             | 1    |                 |      |
| For SPX and SPXW if the appointed LMM provides continuous electronic quotes during Global Trading Hours from 7:15PM CST to 2:00AM CST ("GTH1") that meet or exceed the above heightened quoting standards in at least 85% of the SPX and SPXW series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$40,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |   |                                       |               |    |                               |      |                   |      |                     |      |                 |      |

| GTH2 SPX/SPXW LMM Incentive Program  |   |                                       |                               |                |         |                   |         |                     |         |                 |  |
|--|---|---------------------------------------|-------------------------------|----------------|---------|-------------------|---------|---------------------|---------|-----------------|--|
| Capacity   |   | Capacity Code                         | VIX Value at Prior Close < 20 |                |         |                   |         |                     |         |                 |  |
|  |   |                                       | Premium Level                 | Expiring       |         | Near Term         |         | Mid Term            |         | Long Term       |  |
|  |   |                                       |                               | 7 days or less |         | 8 days to 60 days |         | 61 days to 270 days |         | 271 to 500 days |  |
|  |   |                                       | Width                         | Size           | Width   | Size              | Width   | Size                | Width   | Size            |  |
| LMM  | M | \$0.00 - \$5.00                       | \$0.35                        | 25             | \$0.40  | 15                | \$0.60  | 5                   | \$1.20  | 5               |  |
|  |   | \$5.01 - \$15.00                      | \$0.80                        | 20             | \$0.60  | 20                | \$1.50  | 10                  | \$2.00  | 5               |  |
|  |   | \$15.01 - \$50.00                     | \$1.80                        | 15             | \$2.00  | 15                | \$2.00  | 10                  | \$4.00  | 5               |  |
|  |   | \$50.01 - \$100.00                    | \$7.50                        | 10             | \$4.00  | 10                | \$3.00  | 10                  | \$5.00  | 5               |  |
|  |   | \$100.01 - \$200.00                   | \$15.00                       | 1              | \$5.00  | 5                 | \$4.00  | 5                   | \$6.00  | 5               |  |
|  |   | Greater than \$200.00                 | \$20.00                       | 1              | \$8.00  | 1                 | \$12.00 | 1                   | \$50.00 | 1               |  |
|  |   | VIX Value at Prior Close from 20 - 30 |                               |                |         |                   |         |                     |         |                 |  |
|  |   | \$0.00 - \$5.00                       | \$0.60                        | 15             | \$0.80  | 10                | \$0.75  | 5                   | \$2.00  | 5               |  |
|  |   | \$5.01 - \$15.00                      | \$1.00                        | 15             | \$1.00  | 15                | \$2.20  | 5                   | \$3.00  | 5               |  |
|  |   | \$15.01 - \$50.00                     | \$2.50                        | 10             | \$3.50  | 10                | \$3.00  | 5                   | \$5.00  | 5               |  |
|  |   | \$50.01 - \$100.00                    | \$10.00                       | 10             | \$7.00  | 10                | \$3.50  | 5                   | \$7.00  | 5               |  |
|  |   | \$100.01 - \$200.00                   | \$18.00                       | 1              | \$8.00  | 5                 | \$6.00  | 5                   | \$10.00 | 5               |  |
|  |   | Greater than \$200.00                 | \$25.00                       | 1              | \$12.00 | 1                 | \$20.00 | 1                   | \$60.00 | 1               |  |
|  |   | VIX Value at Prior Close > 30         |                               |                |         |                   |         |                     |         |                 |  |
|  |   | \$0.00 - \$5.00                       | \$0.90                        | 10             | \$1.00  | 10                | \$1.00  | 5                   | \$3.00  | 5               |  |
|  |   | \$5.01 - \$15.00                      | \$2.50                        | 10             | \$2.50  | 10                | \$3.00  | 5                   | \$4.00  | 5               |  |
|  |   | \$15.01 - \$50.00                     | \$4.00                        | 10             | \$5.00  | 10                | \$5.00  | 5                   | \$8.00  | 5               |  |
|  |   | \$50.01 - \$100.00                    | \$12.00                       | 5              | \$10.00 | 5                 | \$4.50  | 3                   | \$10.00 | 1               |  |
|  |   | \$100.01 - \$200.00                   | \$20.00                       | 1              | \$12.00 | 5                 | \$15.00 | 1                   | \$18.00 | 1               |  |
|  |   | Greater than \$200.00                 | \$30.00                       | 1              | \$25.00 | 1                 | \$30.00 | 1                   | \$70.00 | 1               |  |
| For SPX and SPXW if the appointed LMM provides continuous electronic quotes during Global Trading Hours from 2:00AM CST to 8:15AM CST ("GTH2") that meet or exceed the above heightened quoting standards in at least 85% of the SPX and SPXW series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$40,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |   |                                       |                               |                |         |                   |         |                     |         |                 |  |

| RTH XSP LMM Incentive Program |   |   |           |                 |        |                               |        |                  |        |                   |        |                    |      |
|-------------------------------|---|---|-----------|-----------------|--------|-------------------------------|--------|------------------|--------|-------------------|--------|--------------------|------|
| Capacity                      |   | Capacity Code   | Moneyness | Expiring Option |        | VIX Value at Prior Close ≤ 30 |        |                  |        |                   |        |                    |      |
|                               |   |   |           | Width           | Size   | 1 day                         |        | 2 days to 5 days |        | 6 days to 14 days |        | 15 days to 35 days |      |
|                               |   |   |           | Width           | Size   | Width                         | Size   | Width            | Size   | Width             | Size   | Width              | Size |
| LMM                           | M | [> 3% ITM]  | \$0.20    | 5               | \$0.25 | 5                             | \$0.30 | 5                | \$0.40 | 5                 | \$0.75 | 5                  |      |
|                               |   | [3% ITM to 2% ITM]  | \$0.10    | 5               | \$0.13 | 5                             | \$0.20 | 5                | \$0.25 | 5                 | \$0.50 | 5                  |      |
|                               |   | [2% ITM to 0.25% ITM]   | \$0.08    | 10              | \$0.10 | 10                            | \$0.13 | 10               | \$0.16 | 10                | \$0.25 | 10                 |      |
|                               |   | [0.25% ITM to ATM]  | \$0.05    | 20              | \$0.06 | 20                            | \$0.08 | 20               | \$0.10 | 20                | \$0.15 | 20                 |      |
|                               |   | [ATM to 1% OTM]   | \$0.03    | 20              | \$0.04 | 20                            | \$0.05 | 20               | \$0.06 | 20                | \$0.10 | 20                 |      |
|                               |   | [> 1% OTM]  | \$0.02    | 20              | \$0.03 | 20                            | \$0.04 | 20               | \$0.05 | 20                | \$0.06 | 20                 |      |
|                               |   | VIX Value at Prior Close > 30   |           |                 |        |                               |        |                  |        |                   |        |                    |      |
|                               |   | [> 3% ITM]  | \$0.30    | 5               | \$0.40 | 5                             | \$0.50 | 5                | \$0.60 | 5                 | \$1.00 | 5                  |      |
|                               |   | [3% ITM to 2% ITM]  | \$0.15    | 5               | \$0.20 | 5                             | \$0.25 | 5                | \$0.30 | 5                 | \$0.75 | 5                  |      |
|                               |   | [2% ITM to 0.25% ITM]   | \$0.12    | 10              | \$0.15 | 10                            | \$0.19 | 10               | \$0.23 | 10                | \$0.40 | 10                 |      |
|                               |   | [0.25% ITM to ATM]  | \$0.08    | 20              | \$0.09 | 20                            | \$0.12 | 20               | \$0.15 | 20                | \$0.20 | 20                 |      |
|                               |   | [ATM to 1% OTM]   | \$0.05    | 20              | \$0.06 | 20                            | \$0.07 | 20               | \$0.09 | 20                | \$0.10 | 20                 |      |
|                               |   | [> 1% OTM]  | \$0.03    | 20              | \$0.04 | 20                            | \$0.05 | 20               | \$0.06 | 20                | \$0.07 | 20                 |      |
|                               |   | For XSP if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 95% of each of the XSP series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$40,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. Additionally, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above XSP heightened quoting standards, the LMM will receive a rebate for that month of \$0.27 per XSP contract that is executed in its Market-Maker capacity and adds liquidity electronically contra to non-customer capacity. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |           |                 |        |                               |        |                  |        |                   |        |                    |      |

| GTH1 XSP LMM Incentive Program |   |  |                               |       |                   |       |                     |       |                 |   |  |
|--------------------------------|---|--|-------------------------------|-------|-------------------|-------|---------------------|-------|-----------------|---|--|
| Capacity<br><br>Capacity Code  |   | Premium Level  | VIX Value at Prior Close < 30 |       |                   |       |                     |       |                 |   |  |
|                                |   |  | Expiring                      |       | Near Term         |       | Mid Term            |       | Long Term       |   |  |
|                                |   |  | 7 days or less                |       | 8 days to 60 days |       | 61 days to 270 days |       | 271 to 500 days |   |  |
|                                |   | Width  | Size                          | Width | Size              | Width | Size                | Width | Size            |   |  |
| LMM                            | M | \$0.01 - \$1.00  | \$0.10                        | 5     | \$0.11            | 5     | \$0.15              | 5     | \$0.25          | 5 |  |
|                                |   | \$1.01 - \$5.00  | \$0.15                        | 5     | \$0.15            | 5     | \$0.20              | 5     | \$0.30          | 5 |  |
|                                |   | \$5.01 - \$8.00  | \$0.25                        | 5     | \$0.30            | 5     | \$0.40              | 5     | \$0.60          | 5 |  |
|                                |   | \$8.01 - \$12.00   | \$0.60                        | 5     | \$0.80            | 5     | \$1.10              | 5     | \$1.35          | 5 |  |
|                                |   | \$12.01 - \$20.00  | \$1.00                        | 5     | \$1.30            | 5     | \$1.80              | 5     | \$2.20          | 5 |  |
|                                |   | Greater than \$20.00   | \$2.00                        | 5     | \$2.40            | 5     | \$2.80              | 5     | \$3.60          | 5 |  |
|                                |   | VIX Value at Prior Close ≥ 30  |                               |       |                   |       |                     |       |                 |   |  |
|                                |   | \$0.01 - \$1.00  | \$0.14                        | 5     | \$0.16            | 5     | \$0.20              | 5     | \$0.30          | 5 |  |
|                                |   | \$1.01 - \$5.00  | \$0.18                        | 5     | \$0.20            | 5     | \$0.25              | 5     | \$0.40          | 5 |  |
|                                |   | \$5.01 - \$8.00  | \$0.22                        | 5     | \$0.30            | 5     | \$0.45              | 5     | \$0.70          | 5 |  |
|                                |   | \$8.01 - \$12.00   | \$0.60                        | 5     | \$0.90            | 5     | \$1.20              | 5     | \$1.50          | 5 |  |
|                                |   | \$12.01 - \$20.00  | \$1.20                        | 5     | \$1.50            | 5     | \$2.00              | 5     | \$2.40          | 5 |  |
|                                |   | Greater than \$20.00   | \$2.40                        | 5     | \$2.80            | 5     | \$3.20              | 5     | \$4.00          | 5 |  |
|                                |   | For XSP if the appointed LMM provides continuous electronic quotes during Global Trading Hours from 7:15PM CST to 2:00AM CST ("GTH1") that meet or exceed the above heightened quoting standards in at least 85% of each of the XSP series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$15,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |                               |       |                   |       |                     |       |                 |   |  |

| GTH2 XSP LMM Incentive Program |               |  |                               |      |                                |      |                                 |      |                              |      |  |
|--------------------------------|---------------|--|-------------------------------|------|--------------------------------|------|---------------------------------|------|------------------------------|------|--|
| Capacity                       | Capacity Code | Premium Level  | VIX Value at Prior Close < 30 |      |                                |      |                                 |      |                              |      |  |
|                                |               |  | Expiring<br>7 days or less    |      | Near Term<br>8 days to 60 days |      | Mid Term<br>61 days to 270 days |      | Long Term<br>271 to 500 days |      |  |
|                                |               |  | Width                         | Size | Width                          | Size | Width                           | Size | Width                        | Size |  |
| LMM                            | M             | \$0.01 - \$1.00  | \$0.10                        | 5    | \$0.11                         | 5    | \$0.15                          | 5    | \$0.25                       | 5    |  |
|                                |               | \$1.01 - \$5.00  | \$0.15                        | 5    | \$0.15                         | 5    | \$0.20                          | 5    | \$0.30                       | 5    |  |
|                                |               | \$5.01 - \$8.00  | \$0.25                        | 5    | \$0.30                         | 5    | \$0.40                          | 5    | \$0.60                       | 5    |  |
|                                |               | \$8.01 - \$12.00   | \$0.60                        | 5    | \$0.80                         | 5    | \$1.10                          | 5    | \$1.35                       | 5    |  |
|                                |               | \$12.01 - \$20.00  | \$1.00                        | 5    | \$1.30                         | 5    | \$1.80                          | 5    | \$2.20                       | 5    |  |
|                                |               | Greater than \$20.00   | \$2.00                        | 5    | \$2.40                         | 5    | \$2.80                          | 5    | \$3.60                       | 5    |  |
|                                |               | VIX Value at Prior Close ≥ 30  |                               |      |                                |      |                                 |      |                              |      |  |
|                                |               | \$0.01 - \$1.00  | \$0.15                        | 5    | \$0.16                         | 5    | \$0.20                          | 5    | \$0.30                       | 5    |  |
|                                |               | \$1.01 - \$5.00  | \$0.18                        | 5    | \$0.20                         | 5    | \$0.25                          | 5    | \$0.40                       | 5    |  |
|                                |               | \$5.01 - \$8.00  | \$0.25                        | 5    | \$0.30                         | 5    | \$0.45                          | 5    | \$0.70                       | 5    |  |
|                                |               | \$8.01 - \$12.00   | \$0.60                        | 5    | \$0.90                         | 5    | \$1.20                          | 5    | \$1.50                       | 5    |  |
|                                |               | \$12.01 - \$20.00  | \$1.20                        | 5    | \$1.50                         | 5    | \$2.00                          | 5    | \$2.40                       | 5    |  |
|                                |               | Greater than \$20.00   | \$2.40                        | 5    | \$2.80                         | 5    | \$3.20                          | 5    | \$4.00                       | 5    |  |
|                                |               | For XSP if the appointed LMM provides continuous electronic quotes during Global Trading Hours from 2:00AM CST to 8:15AM CST ("GTH2") that meet or exceed the above heightened quoting standards in at least 85% of each of the XSP series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$15,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. |                               |      |                                |      |                                 |      |                              |      |  |

| RTH SPESG LMM Incentive Program  |               |                       | VIX Value at Prior Close < 20 |      |                                |      |                                 |      |                              |      |
|--|---------------|-----------------------|-------------------------------|------|--------------------------------|------|---------------------------------|------|------------------------------|------|
| Capacity   | Capacity Code | Premium Level         | Expiring<br>7 days or less    |      | Near Term<br>8 days to 60 days |      | Mid Term<br>61 days to 270 days |      | Long Term<br>271 to 500 days |      |
|  |               |                       | Width                         | Size | Width                          | Size | Width                           | Size | Width                        | Size |
|  |               |                       |                               |      |                                |      |                                 |      |                              |      |
| LMM  | M             | \$0.00 - \$5.00       | \$0.50                        | 10   | \$0.40                         | 15   | \$0.60                          | 10   | \$1.00                       | 5    |
|  |               | \$5.01 - \$15.00      | \$2.00                        | 5    | \$1.60                         | 10   | \$2.40                          | 10   | \$4.00                       | 5    |
|  |               | \$15.01 - \$50.00     | \$5.00                        | 5    | \$4.00                         | 10   | \$6.00                          | 5    | \$10.00                      | 5    |
|  |               | \$50.01 - \$100.00    | \$10.00                       | 1    | \$8.00                         | 5    | \$12.00                         | 5    | \$20.00                      | 1    |
|  |               | \$100.01 - \$200.00   | \$20.00                       | 1    | \$16.00                        | 1    | \$24.00                         | 1    | \$40.00                      | 1    |
|  |               | Greater than \$200.00 | \$30.00                       | 1    | \$24.00                        | 1    | \$36.00                         | 1    | \$60.00                      | 1    |
| For SPESG, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 60% of SPESG series 90% of the time in a given month, the LMM will receive a rebate for that month in the amount of \$10,000 (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. In calculating whether an LMM met the heightened quoting standard each month, the Exchange will exclude from the calculation in that month the business day in which the LMM missed meeting or exceeding the heightened quoting standard in the highest number of series. In addition to the above rebate, if the appointed LMM meets or exceeds the above heightened quoting standards in a given month, the LMM will receive the Monthly average daily volume ("ADV") Payment amount that corresponds to the level of ADV provided by the LMM in SPESG for that month per the SPESG Volume Incentive Pool program below. |               |                       |                               |      |                                |      |                                 |      |                              |      |

| SPESG LMM Volume Incentive Pool |               |                               |                     |
|---------------------------------|---------------|-------------------------------|---------------------|
| Capacity                        | Capacity Code | SPESG ADV                     | Monthly ADV Payment |
| LMM                             | M             | 0 - 999 contracts             | \$0.00              |
|                                 |               | 1,000 - 4,999 contracts       | \$10,000            |
|                                 |               | 5,000 - 10,000 contracts      | \$20,000            |
|                                 |               | Greater than 10,000 contracts | \$25,000            |

| Footnotes:      |  |
|-----------------|--|
| Footnote Number | Description  |
| 1               | Per contract side, including FLEX.   |
| 2               | Please see Customer Large Trade Discounts table and footnote 27 for details of Customer Large Trade Discounts.   |
| 3               | Trading Permit Holder transaction fee policies and rebate programs are described in the Trading Permit Holder Transaction Fee Policies and Rebate Programs table.  |
| 4               | Transaction fees are charged to the Cboe Options executing firm on the input record.   |
| 5               | Floor brokerage fees are charged to the executing broker. To be eligible for the discounted "crossed" rate, the executing broker acronym and EFID must be the same on both the buy and sell side of an order.  |
| 6               | In the event of a Cboe Options System outage or other interruption of electronic trading on Cboe Options that lasts longer than 60 minutes, the Exchange will adjust the national volume in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, DJX, XSP and FLEX Micros for the entire trading day.  |
| 7               | All fees and rebates assessed prior to the three full calendar months before the month in which the Exchange becomes aware of a billing error shall be considered final. Any dispute concerning fees or rebates billed by the Exchange must be submitted to the Exchange in writing and must be accompanied by supporting documentation.   |
| 8               | The Exchange will waive the transaction fee for public customer ("C" capacity code) orders in all ETF and ETN options that are executed in open outcry or in the Automated Improvement Mechanism or as a QCC or as a FLEX Options transaction.   |
| 9               | Notwithstanding Footnote 8 above, transaction fees are waived for customer orders providing liquidity and orders removing liquidity that are of 99 contracts or less in ETF and ETN options. Transaction fees will be assessed on customer orders that remove liquidity and that are of 100 contracts or more in ETF and ETN options. A rebate will be provided for all customer orders that are of less than 10 contracts in XSP options. Transaction fees will be assessed on all customer orders that are of 10 contracts or more in XSP options. Multiple orders from the same executing firm for itself or for a CMTA or correspondent firm in the same series on the same side of the market that are received by the Exchange within 500 milliseconds will be aggregated for purposes of determining the order quantity. The Exchange will charge any leg of a complex order in ETF and ETN options that is removing liquidity and equals or exceeds 100 contracts, even if the leg is only partially executed below the 100 contract threshold. The Exchange will charge any leg of a complex order in XSP options that equals or exceeds 10 contracts, even if the leg is only partially executed below the 10 contract threshold. The ETF/ETN Taker fee applies to electronic volume only, but is not applied to the following: (i) trades on the open and (ii) QCC orders. The ETF/ETN Taker fees would apply to the following volume: (i) volume resulting from a customer's orders and/or quotes removing other market participants' resting orders and/or quotes and (ii) volume resulting from a customer's primary orders in (i) unpaired auctions (i.e., Step Up Mechanism ("SUM") and (ii) Complex Order Auction (COA)). The ETF/ETN Maker fee waiver would apply to the following volume: (i) volume resulting from executions against a customer's resting orders and/or quotes and (ii) volume resulting from a customer's responses to auctions (i.e., SUM and COA responses).   |
| 10              | The Liquidity Provider Sliding Scale applies to Liquidity Provider (Cboe Options Market-Maker, DPM and LMM) transaction fees in all products except (1) Underlying Symbol List A (34), MRUT, MXACW, MXUSA, MXWLD, NANOS, XSP and FLEX Micros, (2) volume executed in open outcry, and (3) volume executed via AIM Responses. A Liquidity Provider's standard per contract transaction fee shall be reduced to the fees shown on the sliding scale as the Liquidity Provider reaches the volume thresholds, including volume executed in open outcry and via AIM Responses, shown on the sliding scale in a month. The Exchange will aggregate the trading activity of separate Liquidity Provider firms for purposes of the sliding scale if there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. A Liquidity Provider shall be required to prepay, by January 10th, \$2,400,000 in order to be eligible for the fees applicable to tiers 3 - 5 of the sliding scale for the remainder of the year at any time during the year, but such prepayment (and eligibility) will only be applied prospectively for the remainder of the year. A TPH that chooses, for example, in June 2014 to prepay for the remainder of the year would pay \$1,200,000 for the months of July-December. All prepay arrangements must be paid before the first calendar month in which they are to begin. Contract volume resulting from any of the strategies defined in Footnote 13 will apply towards reaching the sliding scale volume thresholds.  |
| 11              | The Clearing Trading Permit Holder Fee Cap in all products except MRUT, NANOS, XSP, FLEX Micros, Underlying Symbol List A (34) and Sector Indexes (47) (the "Fee Cap"), the Cboe Options Proprietary Products Sliding Scale for Clearing Trading Permit Holder Proprietary Orders (the "Proprietary Products Sliding Scale") and the Clearing Trading Permit Holder Proprietary VIX Sliding Scale (the "VIX Sliding Scale") apply to (i) Clearing Trading Permit Holder proprietary orders ("F" capacity code), and (ii) orders of Non-Trading Permit Holder Affiliates of a Clearing Trading Permit Holder. A "Non-Trading Permit Holder Affiliate" for this purpose is a 100% wholly-owned affiliate or subsidiary of a Clearing Trading Permit Holder that is registered as a United States or foreign broker-dealer and that is not a Cboe Options Trading Permit Holder. Only proprietary orders of the Non-Trading Permit Holder Affiliate that clear through a Cboe Options-registered OCC clearing number(s) will be included in calculating the Fee Cap, Proprietary Products Sliding Scale and VIX Sliding Scale. Such orders must be marked with a code approved by the Exchange identifying the orders as eligible for the Fee Cap, Proprietary Products Sliding Scale and VIX Sliding Scale (i.e., "L" capacity code). The Exchange will aggregate the fees and trading activity of separate Clearing Trading Permit Holders for the purposes of the Fee Cap, Proprietary Products Sliding Scale and VIX Sliding Scale if there is at least 75% common ownership between the Clearing Trading Permit Holders as reflected on each Clearing Trading Permit Holder's Form BD, Schedule A. A Clearing Trading Permit Holder's fees and contracts executed pursuant to a CMTA agreement (i.e., executed by another clearing firm and then transferred to the Clearing Trading Permit Holder's account at the OCC) are aggregated with the Clearing Trading Permit Holder's non-CMTA fees and contracts for purposes of the Fee Cap, Proprietary Products Sliding Scale and VIX Sliding Scale. The actual transaction fees resulting from any of the strategies defined in Footnote 13, after relevant caps are applied, will apply towards reaching the Fee Cap. However, contract volume from any such strategies for which the strategy cap is applied will not apply towards reaching the multi-list qualifying tiers for the Proprietary Products Sliding Scale. For facilitation orders (other than Sector Indexes (47), FLEX Micros and Underlying Symbol List A (34)) executed in open outcry, Cboe Options will assess no Clearing Trading Permit Holder Proprietary transaction fees. For facilitation orders for Sector Indexes (47) executed in open outcry, Cboe Options does not assess Clearing Trading Permit Holder Proprietary transaction fees. "Facilitation orders" for this purpose are defined as any order in which a Clearing Trading Permit Holder ("F" capacity code) or Non-Trading Permit Holder Affiliate ("L" capacity code) is contra to any other origin code, provided the same executing broker and clearing firm are on both sides of the transaction for open outcry following any post-trade changes made on the trade date. |
| 12              | In the event the Cboe Options trading floor becomes inoperable and the Exchange operates in a screen-based only environment, the Exchange will apply the following pricing changes for the duration of time the Exchange operates in a screen-based only environment: (1) holders of a Market-Maker Floor Permit will be entitled to act as an electronic Market-Maker and holders of a Floor Broker Permit will be entitled to access the Exchange electronically to submit orders to the Exchange, provided that any Floor Broker TPH that did not have an Electronic Access Permit ("EAP") prior to the closure of the trading floor will be charged for one EAP per TPH organization and any floor Market-Maker that did not have a Market Maker EAP will be charged for one Market Maker EAP per TPH organization; (2) if the trading floor reopens mid-month, floor Trading Permit fees for that month will be prorated based on the remaining trading days in the calendar month; (3) the SPX and SPESG, and SPXW Execution Surcharges will be waived, where applicable, for SPX/SPXW and SPESG orders executed via AIM; (4) the AIM Agency/Primary Surcharge for SPX/SPXW, SPESG and VIX will apply to all SPX/SPXW, SPESG and VIX AIM Agency/Primary orders when the Exchange operates in a screen-based only environment and such fee will be invoiced to the executing Trading Permit Holder; (5) SPX/SPXW, RUT, and VIX contracts executed via AIM, and contracts executed as a RFC order, during a time when the Exchange operates in a screen-based only environment will not count towards the 1,000 contract thresholds for the SPX/SPXW, VIX and RUT Tier Appointment Fees; (6) for purposes of Routing Fees, Cboe Options will not pass through or otherwise charge customer orders (of any size) routed to other exchanges that were originally transmitted to the Exchange from a registered Floor Broker through an Exchange-sponsored terminal; (7) all designated facility fees will not be charged when the Exchange operates in a screen-based only environment, however such fees will be pro-rated based on the remaining trading days in the calendar month if the trading floor reopens mid-month; (8) the Inactive Nominee Status (Parking Space) and Inactive Nominee Status Change (Trading Permit Swap) fees will not apply when the Exchange operates in a screen-based only environment, provided that if the trading floor re-opens mid-month the Parking Space fee will be prorated based on the remaining trading days in the calendar month; and (9) the AIM Contra Surcharge and AIM Response Surcharge will apply to all SPX/SPXW and SPESG AIM Contra and AIM Response/Priority Response orders, respectively, when the Exchange operates in a screen-based only environment. Additionally, in the event the Exchange operates in a screen-based only environment, AIM may be available for SPX/SPXW and SPESG during Regular Trading Hours.   |
| 13              | Market-Maker, Clearing Trading Permit Holder, JBO participant, broker-dealer, Professional and non-Trading Permit Holder market-maker transaction fees are capped at \$0.00 for all merger, short stock interest, reversal, conversion and jelly roll strategies executed in open outcry on the same trading day in the same option class across all symbols in equities, ETFs and ETNs. A "merger strategy" is defined as transactions done to achieve a merger arbitrage involving the purchase, sale and exercise of options of the same class and expiration date, each executed prior to the date on which shareholders of record are required to elect their respective form of consideration, i.e., cash or stock. A "short stock interest strategy" is defined as transactions done to achieve a short stock interest arbitrage involving the purchase, sale and exercise of in-the-money options of the same class. A "reversal strategy" is established by combining a short security position with a short put and a long call position that shares the same strike and expiration. A "conversion strategy" is established by combining a long position in the underlying security with a long put and a short call position that shares the same strike and expiration. A "jelly roll strategy" is created by entering into two separate positions simultaneously. One position involves buying a put and selling a call with the same strike price and expiration. The second position involves selling a put and buying a call, with the same strike price, but with a different expiration from the first position. Strategies tied to QCC orders will not be eligible to receive a strategy rebate. Strategies defined in this footnote 13 will not be eligible for an ORS/CORS subsidy.   |
| 14              | The Surcharge Fees apply to all non-public customer transactions (i.e. Cboe Options and non-Trading Permit Holder market-maker, Clearing Trading Permit Holder, JBO participant, and broker-dealer), including professionals, except for FLEX Micro transactions.  |
| 15              | If Cboe Options exclusively listed options are traded at Cboe Options's facility on a Back-up Exchange pursuant to Cboe Options Rule 5.26, the Back-up Exchange has agreed to apply the per contract and per contract side fees in this fee schedule to such transactions. If any other Cboe Options listed options are traded on the Back-up Exchange (such as Cboe Options singly listed options that are listed by the Back-up Exchange) pursuant to Cboe Options Rule 5.26, the fee schedule of the Back-up Exchange shall apply to such trades. If the exclusively listed options of a Disabled Exchange are traded on the Disabled Exchange's facility at Cboe Options pursuant to Cboe Options Rule 5.26, Cboe Options will apply the per contract and per contract side fees in the fee schedule of the Disabled Exchange to such transactions. If any other options classes of the Disabled Exchange are traded on Cboe Options (such as singly listed options of the Disabled Exchange) pursuant to Cboe Options Rule 5.26, the fees set forth in the Cboe Options fee schedule shall apply to such trades.  |
| 16              | Broker-Dealer transaction fees apply to broker-dealer orders (orders with "B" capacity code), non-Trading Permit Holder market-maker orders (orders with "N" capacity code) and certain orders with "F" or "L" capacity codes (i.e., orders from OCC numbers that are not from Cboe Options Trading Permit Holders or are not registered with the Exchange).   |
| 17              | The FLEX Surcharge Fee applies to all orders (all capacity codes) executed electronically, except for Cboe Compression Service ("CCS") and FLEX Micro transactions. The FLEX Surcharge Fee will only be charged up to the first 2,500 contracts per trade.   |
| 18              | Applicable standard transaction fees will apply to all orders executed in the Automated Improvement Mechanism ("AIM"), Solicitation Auction Mechanism ("SAM"), FLEX AIM and FLEX SAM auctions, that were initially entered as the contra party to an Agency/Primary Order unless otherwise indicated in the Rate Tables.   |
| 19              | Applicable standard transaction fees will apply to all orders executed in AIM, SAM FLEX AIM and FLEX SAM auctions, that were initially entered as an Agency/Primary Order unless otherwise indicated in the Rate Tables.   |

| Footnotes (Continued): |  |
|------------------------|--|
| Footnote Number        | Description  |
| 20                     | Applicable standard transaction fees will apply to all executed in AIM, SAM, FLEX AIM, and FLEX SAM auctions, that were initially entered as an AIM Response unless otherwise indicated in the Rate Tables.  |
| 21                     | All electronic executions in SPX, SPXW and SPESG shall be assessed the SPX, SPXW and SPESG Execution Surcharge, respectively, except that this fee shall not apply to: (i) orders in SPX or SPXW options in the SPX electronic book for those SPX or SPXW options that are executed during opening rotation on the final settlement date of VIX options and futures which have the expiration that are used in the VIX settlement calculation, (ii) orders executed in SPX, SPXW and SPESG by a floor broker using a PAR terminal, (iii) SPX/SPXW Related Future Cross ("RFC") orders, (iv) Position Compression Cross ("PCC") orders, and (v) Cboe Compression Service ("CCS") transactions. See also footnote 15.  |
| 22                     | For all non-facilitation business executed in AIM or open outcry, or as a QCC or FLEX transaction, transaction fees for Clearing Trading Permit Holder Proprietary and/or their Non-Trading Permit Holder Affiliates (as defined in footnote 11) in all products except MRUT, NANOS, XSP, FLEX Micros, Sector Indexes (47) and Underlying Symbol List A (34), in the aggregate, are capped at \$65,000 per month per Clearing Trading Permit Holder. As Cboe Options assesses no Clearing Trading Permit Holder Proprietary transaction fees for facilitation orders (other than Underlying Symbol List A (34)) (as described in footnote 11), such trades will not count towards the cap. Surcharge fees do not count towards the cap.  |
| 23                     | A Market-Maker may designate an Order Flow Provider ("OFP") as its "Appointed OFP" and an OFP may designate a Market-Maker to be its "Appointed Market-Maker" for purposes of qualifying for credits under AVP. In order to effectuate the appointment, the parties would need to submit the Appointed Affiliate Form to the Exchange by 3:00 p.m. CST on the first business day of the month in order to be eligible to qualify for credits under AVP for that month. The Exchange will recognize only one such designation for each party once every calendar month, which designation will automatically renew each month until or unless the Exchange receives an email from either party indicating that the appointment has been terminated. A Market-Maker that has both an Affiliate OFP and Appointed OFP will only qualify based upon the volume of its Appointed OFP. The volume of an OFP that has both an Affiliate Market-Maker and Appointed Market-Maker will only count towards qualifying the Appointed Market-Maker. Volume executed in open outcry is not eligible to receive a credit under AVP.  |
| 24                     | When the Exchange is operating in a modified state in connection with the COVID-19 pandemic, floor trading permit fees will not be assessed on the total number of floor trading permits a TPH organization holds, and instead will be based on the floor trading permits used by nominees of the TPH each day during the month using the following formula: (i) the number of floor trading permits that have a nominee assigned to it in the Customer Web Portal system ("Portal") in a given month, multiplied by the number of trading days that the floor is open and that a nominee is assigned to each respective trading permit in that month, divided by (ii) the total number of trading days in a month. The Exchange will round up to determine the total number of trading permits assessed the fees set forth in the Floor Trading Permit Sliding Scales. If the trading floor becomes fully operational mid-month, trading floor permit fees will continue to be assessed using the foregoing formula. The Exchange will also apply the following pricing changes for the duration of time the Exchange is operating in a modified state in connection with the COVID-19 pandemic: (1) SPX/SPXW and SPESG Floor Brokerage Fees will be assessed the rate of \$0.05 per contract for non-crossed orders and \$0.03 per contract for crossed orders; and (2) the Inactive Nominee Status (Parking Space) and Inactive Nominee Status Change (Trading Permit Swap) fees will not apply during any month the trading floor is operating in a modified state. If a TPH is unable to utilize designated facility services while the trading floor is operating in a modified state, corresponding fees, including for booth rentals will not be assessed.   |
| 25                     | The RFC Execution Surcharge for SPX/SPXW and VIX will apply to all SPX/SPXW and VIX RFC initiating orders.   |
| 26                     | The SPX AIM Hybrid Surcharges, including the Originator Surcharge, apply only to SPX/SPXW orders executed in AIM and C-AIM during RTH when the Exchange is operating in a hybrid environment (i.e., the trading floor is operable). The SPX AIM Hybrid Surcharge will apply to all SPX/SPXW AIM Agency/Primary, Contra and Response orders. The SPX AIM Hybrid Originator Surcharge will apply to all SPX/SPXW Agency/Primary orders and such fee will be invoiced to the executing Trading Permit Holder.   |
| 27                     | A customer large trade discount program in the form of a cap on customer ("C" capacity code) transaction fees is in effect for the options set forth in the Customer Large Trade Discount table. Floor brokerage fees are not subject to the cap on fees. Qualification of an order for the fee cap is based on the trade date and order ID on each order. For complex orders, the total contracts of an order (all legs by underlying symbol) are counted for purposes of calculating the fee cap. To qualify for the discount, the entire order quantity must be tied to a single order ID (unless the order is a complex order with a number of legs that exceeds system limitations) within the Cboe system or in the front end system used to enter and/or transmit the order (provided the Exchange is granted access to effectively audit such front end system) (the order must be entered in its entirety on one system so that the Exchange can clearly identify the total size of the order).   |
| 28                     | Monthly fees are assessed and applied in their entirety and are not prorated.  |
| 29                     | Any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer would be permitted to avail itself of this arrangement, provided that its order routing functionality incorporates certain features and satisfies Cboe Options that it appears to be robust and reliable. To qualify for the subsidy arrangement, a Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer's order routing functionality has to: (i) enable the electronic routing of orders to all of the U.S. options exchanges, including Cboe Options; (ii) provide current consolidated market data from the U.S. options exchanges; and (iii) be capable of interfacing with Cboe Options's API to access current Cboe Options trade engine functionality. The routing system also needs to cause Cboe Options to be the default destination exchange for individually executed marketable non-customer orders if Cboe Options is at the national best bid or offer ("NBBO"), regardless of size or time, but allow any user to manually override Cboe Options as the default destination on an order-by-order basis. The order routing functionality is required to incorporate a function allowing orders at a specified price to be sent to multiple exchanges with a single click (a "sweep function") and the sweep function would need to be configured to cause an order to be sent to Cboe Options for up to the full size quoted by Cboe Options if Cboe Options is at the NBBO. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are solely responsible for implementing and operating its system. Cboe Options does not make payments under the program with respect to executed contracts in options classes included in Underlying Symbols List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXACW, MXUSA, MXWLD, NANOS, XSP or FLEX Micros or with respect to complex orders or spread orders. The Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer has to agree that they are not entitled to receive any other revenue for the use of its system, specifically with respect to orders routed to Cboe Options. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are not precluded, however, from receiving payment for order flow if they choose to do so. Nothing about the subsidy arrangement relieves any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer that is using an order routing functionality whose provider is participating in the ORS Program from complying with its best execution obligations. Specifically, just as with any customer order and any other routing functionality, both a Cboe Options Trading Permit Holder and a non-Cboe Options Trading Permit Holder broker-dealer have an obligation to consider the availability of price improvement at various markets and whether routing a customer order through a functionality that incorporates the features described above would allow for access to such opportunities if readily available. Any user, whether or not a Cboe Options Trading Permit Holder, needs to conduct best execution evaluations on a regular basis, at a minimum quarterly, that include its use of any router incorporating the features described above.   |
| 30                     | Any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer is permitted to avail itself of this arrangement, provided that its complex order routing functionality incorporates certain features and satisfies Cboe Options that it appears to be robust and reliable. To qualify for the subsidy arrangement, a Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer's order routing functionality has to: (i) be capable of interfacing with Cboe Options's API to access current Cboe Options trade engine functionality; (ii) cause Cboe Options to be the default destination exchange for non-customer complex orders, but allow any user to manually override Cboe Options as the default destination on an order-by-order basis; and (iii) provide current consolidated market data for complex orders from the U.S. options exchanges that offer complex order execution systems. In the event that a U.S. options exchange begins offering complex order execution systems after May 6, 2013, each participating Cboe Options Trading Permit Holder and Participating Non-Cboe Options Trading Permit Holder broker-dealer shall have forty-five (45) days from the date that system is first offered to include that exchange's market data for complex orders into the consolidated market data for complex orders provided by its order routing functionality. For purposes of the CORS Program, a "complex order" shall have the definition set forth in the first sentence of the "Complex Order" definition in Cboe Options Rule 1.1. Each Participating Cboe Options Trading Permit Holder and Non-Cboe Options Trading Permit Holder is solely responsible for implementing and operating its system. Cboe Options does not make payments under the program with respect to executed contracts in options classes included in Underlying Symbols List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, XSP or FLEX Micros. The Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer has to agree that it is not entitled to receive any other revenue for the use of its system, specifically with respect to complex orders routed to Cboe Options. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are not precluded, however, from receiving payment for order flow if they choose to do so. Nothing about the subsidy arrangement relieves any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer that is using an order routing functionality whose provider is participating in the CORS Program from complying with its best execution obligations. Specifically, just as with any customer order and any other routing functionality, both a Cboe Options Trading Permit Holder and a non-Cboe Options Trading Permit Holder broker-dealer have an obligation to consider the availability of price improvement at various markets and whether routing a customer order through a functionality that incorporates the features described above would allow for access to such opportunities if readily available. Any user, whether or not a Cboe Options Trading Permit Holder, needs to conduct best execution evaluations on a regular basis, at a minimum quarterly, that include its use of any router incorporating the features described above. |
| 31                     | The priority surcharge is assessed on customer (C) contracts executed in VIX. This surcharge applies to all customer contracts executed electronically that are Maker and not Market Turner. The priority surcharge is waived for all complex orders in VIX.   |
| 32                     | Transactions fees will be waived for Customer orders executed in VIX options during GTH through October 31, 2022. Beginning with the November 1, 2022 trading date, the Exchange will no longer waive these transaction fees.  |
| 33                     | FLEX Micro Options are excluded from the following programs: SPX/SPXW and SPESG Liquidity Provider Sliding Scale, Liquidity Provider Sliding Scale, Liquidity Provider Sliding Scale Adjustment Table, Volume Incentive Program, Break-Up Credits, Affiliate Volume Plan, Marketing Fee, Clearing Trading Permit Holder Proprietary Products Sliding Scale, Clearing Trading Permit Holder Fee Cap, Select Customer Options Reduction ("SCORE") Program, Customer Large Trade Discount, Market-Maker Tier Appointment Fee thresholds, Floor Broker Trading Surcharge thresholds, Floor Broker Sliding Scale Rebate Program, Floor Broker ADV Discount, Floor Brokerage Fees, Floor Brokerage Fees Discount Scale, GTH Executing Agent Subsidy Program, Order Router Subsidy Program, Complex Order Router Subsidy Program, and Frequent Trader Program.  |
| 34                     | Underlying Symbol List A: OEX, XEO, RUT, RLG, RLV, RUI, UKXM, SPX (includes SPXW), SPESG and VIX.  |

| Footnotes (Continued): |  |
|------------------------|--|
| Footnote Number        | Description  |
| 35                     | Per contract per side surcharge for noncustomer complex order executions that remove liquidity from the COB and auction responses in the Complex Order Auction ("COA") and the Automated Improvement Mechanism ("AIM") in all classes except MRUT, NANOS, XSP, FLEX Micros, Sector Indexes (47) and Underlying Symbol List A. The surcharge will not be assessed, however, on noncustomer complex order executions originating from a Floor Broker PAR, electronic executions against single leg markets, for stock-option order executions, or for noncustomer, non-Market-Maker AIM Responses (20). Auction responses in COA and AIM for noncustomer complex orders in Penny classes will be subject to a cap of \$0.50 per contract, which includes the applicable transaction fee, Complex Surcharge and Marketing Fee (if applicable).  |
| 36                     | The Exchange shall credit each Trading Permit Holder the per contract amount resulting from each public customer ("C" capacity code) order transmitted by that Trading Permit Holder which is executed electronically on the Exchange in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), DJX, MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, XSP, FLEX Micros, QCC trades, public customer to public customer electronic complex order executions, and executions related to contracts that are routed to one or more exchanges in connection with the Options Order Protection and Locked/Crossed Market Plan referenced in Rule 5.67, provided the Trading Permit Holder meets certain percentage thresholds in a month as described in the Volume Incentive Program (VIP) table. This payment will be calculated from the first executed contract at the applicable threshold per contract credit. The percentage thresholds are calculated based on the percentage of national customer volume in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, DJX, XSP and FLEX Micros entered and executed over the course of the month. Volume will be recorded for all include origins noted below and credits for customer contracts only will be delivered to the TPH Firm that enters the order into the Cboe System. The Exchange will aggregate the contracts resulting from customer, broker-dealer ("B" capacity code), joint back-office ("J" capacity code) and professional customer ("U" capacity code) orders transmitted and executed electronically on the Exchange from affiliated Trading Permit Holders for purposes of the thresholds described in the VIP table, provided there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. Additionally, the Exchange will aggregate all the contracts contained in any complex order (e.g., a 10 lot butterfly spread will count as 40 contracts). In the event of a Cboe Options System outage or other interruption of electronic trading on Cboe Options, the Exchange will adjust the national customer volume in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), MRUT, MXEA, MXEF, MXACW, MXUSA, MXWLD, NANOS, DJX, XSP and FLEX Micros for the entire trading day. A Trading Permit Holder may request to receive its credit under the VIP as a separate direct payment. |
| 37                     | <b>Applies during Global Trading Hours ("GTH"). GTH is a separate trading session from Regular Trading Hours ("RTH") and Curb Trading Hours ("Curb") for VIX, SPX, SPXW, and XSP. GTH commences at 7:15PM CST and terminates at 8:15AM CST, and is conducted on an all-electronic trading model with no open outcry capability</b>   |
| 38                     | The Exchange will waive the installation fee for installation services in connection with the tethering of Cloud9 equipment for Market-Maker handheld terminals for indexes on the Cboe Options trading floor located at 400 S LaSalle Street.   |
| 39                     | Each Trading Permit Holder is responsible for notifying the Exchange of all of its affiliates and is required to inform the Exchange immediately of any event that causes an entity to cease to be an affiliate in a form and manner to be determined by the Exchange. An "affiliate" is defined as having at least 75% common ownership between two entities as reflected on each entity's Form BD, Schedule A.   |
| 40                     | The Floor Broker Solicitation Surcharge Fee applies to solicited SPX and SPXW orders where one side is a Customer and both sides are crossed in open outcry by the same Floor Broker (i.e., the executing Floor Broker acronym is the same on both the buy and sell side of the order). The surcharge fee will be assessed to the EFID of the buy (sell) side contra to the Customer sell (buy) side of the order. The proposed surcharge fee will not apply to customer-to-customer orders, facilitation orders, solicited orders executed as part of a box or jelly roll strategy or as a FLEX transaction. "Facilitation orders" for this purpose are defined as any order in which a Clearing Trading Permit Holder ("F" capacity code) or Non-Trading Permit Holder Affiliate ("L" capacity code) is contra to any other origin code, provided the same executing broker and clearing firm are on both sides of the transaction for open outcry following any post-trade changes made on the trade date.  |
| 41                     | The Exchange shall rebate transaction fees, including the Index License Surcharge, for SPX and SPXW transactions if the transaction: (i) involves a complex order with at least five (5) different series in S&P 500 Index (SPX) options, SPX Weeklys (SPXW) options, (ii) is a closing-only transaction or, if the transaction involves a Firm order (capacity code "F"), is an opening transaction executed to facilitate a compression of option positions for a market-maker or joint-back office ("JBO") account executed as a cross pursuant to and in accordance with Cboe Options Rule 5.87(d) or (f); (iii) is a position with a required capital charge equal to the minimum capital charge under Option Clearing Corporation's ("OCC") rules RBH Calculator or is a position comprised of option series with a delta of ten (10) or less and (iv) is entered on any of the final three (3) trading days of any calendar month. The Exchange shall waive transaction fees, including the Index License Surcharge and SPX/SPXW Execution Surcharge, for (i) Position Compression Cross ("PCC") transactions executed electronically or in open outcry, as applicable, and (ii) CCS transactions. A PCC order submitted for execution in open outcry must be marked as "compression" in order to receive a waiver of fees for PCC orders. PCC and CCS transactions will not count towards any volume thresholds.   |
| 42                     | <b>Applies during Curb. Curb is a separate trading session from RTH and GTH for VIX, SPX SPXW, and XSP. Curb commences at 3:15PM CST and terminates at 4:00PM CST, and is conducted on an all-electronic trading model with no open outcry capability.</b>   |
| 43                     | The Exchange will waive fees for the Index Combination component of a Customer and Professional Customer Index Combo order in VIX options. Market-Maker transaction fees in VIX transactions where VIX Premium is $\geq$ \$1.00 will be reduced from \$0.23 per contract to \$0.05 per contract if the Market-Maker order is executed by the Market-Maker in open outcry against a complex order that has 3 or more legs and the total executed order quantity of the contra order is greater than or equal to 5,000 contracts. Solicited orders where the Market-Maker is represented by a Floor Broker are not eligible for the reduced fee. Supporting documentation must be submitted to the Exchange within 3 business days of the transaction in order to receive the foregoing fee waiver or reduced fee on qualifying orders for which (i) a post-trade edit to an order executed in open outcry was made that changed the symbol, price, size, and/or floor trader acronym on any leg of the transaction; and/or (ii) the original order contained more than the maximum number of legs supported by the Cboe System and was consequently submitted as multiple orders, where the applicable child order by itself does not meet the qualifications for the fee waiver or reduced fee.  |
| 44                     | The Make Rate is derived from a Liquidity Provider's ("LP") electronic volume the previous month in all symbols excluding Underlying Symbol List A and XSP using the following formula: (i) the LP's total electronic automatic execution ("auto-ex") Maker volume (i.e., volume resulting from that LP's resting quotes or single sided quotes/orders that were executed by an incoming order or quote) divided by (ii) the LP's total auto-ex volume (i.e., volume that resulted from the LP's resting quotes/orders and volume that resulted from that LP's quotes/orders that removed liquidity). Trades on the open and complex orders will be excluded from the Make Rate calculation. The Exchange will aggregate the trading activity of separate Liquidity Provider firms for purposes of the adjustment table if there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. The Taker fees and Maker rebate apply to a LP's electronic volume only, but are not applied to the following: (i) trades on the open, (ii) QCC orders, (iii) complex orders, and (iv) original paired orders executed via an auction mechanism. The Taker fees would apply to the following volume: (i) volume resulting from a LP's orders and/or quotes removing other market participants' resting orders and/or quotes and (ii) volume resulting from a LP's primary orders in unpaired auctions (i.e., Step Up Mechanism ("SUM")). Transactions in Penny classes would be subject to a cap of \$0.50 per contract, which includes the LP Sliding Scale transaction fee, Adjustment Table fee and Marketing Fee. The Maker rebate would apply to the following volume: (i) volume resulting from executions against a LP's resting orders and/or quotes and (ii) volume resulting from a LP's responses to auctions (i.e., Automated Improvement Mechanism ("AIM") and Step Up Mechanism ("SUM") responses).  |
| 45                     | A large trade discount program in the form of a cap on Market-Maker, Broker-Dealer, Non-Trading Permit Holder Market-Maker, Professional and Joint Back-Office ("M", "B", "N", "U" and "J" capacity code) transaction fees is in effect for the options set forth in the Large Trade Discount table. Floor brokerage fees are not subject to the cap on fees. Qualification of an order for the fee cap is based on the trade date and order ID on each order. For complex orders, the total contracts of an order (all legs by underlying symbol) are counted for purposes of calculating the fee cap. To qualify for the discount, the entire order quantity must be tied to a single order ID (unless the order is a complex order with a number of legs that exceeds system limitations) either within the Cboe system or in the front end system used to enter and/or transmit the order (provided the Exchange is granted access to effectively audit such front end system) (the order must be entered in its entirety on one system so that the Exchange can clearly identify the total size of the order).  |
| 46                     | Pursuant to Cboe Options Rule 7.1, solely for purposes of ORF billing, Trading Permit Holders must provide the Exchange with a complete list of its OCC clearing numbers and keep such information up to date with the Exchange.   |
| 47                     | Sector Index underlying symbols: IXB, SIXC, IXE, IXI, IXM, IXR, IXRE, IXT, IXU, IXV AND IXY. Corresponding option symbols: SIXB, SIXC, SIXE, SIXI, SIXM, SIXR, SIXRE, SIXT, SIXU, SIXV AND SIXY.   |



Footnotes (Continued):

| Footnote Number | Description  |
|-----------------|--|
| 48              | For purposes of this Program, "Retail" volume will be defined as Customer orders ("C" capacity code) for which the original order size (in the case of a simple order) or largest leg size (in the case of a complex order) is 20 contracts or less). Additionally "Qualifying Classes" will be defined as SPX (including SPXW), VIX, RUT, MXEA, MXEF, MXACW, MXUSA & MXWLD. To determine an Originating Firm's Discount Tier, an Originating Firm's Retail volume in the Qualifying Classes will be divided by total Retail volume in the Qualifying Classes executed on the Exchange. The Clearing Trading Permit Holder that is billed for an Originating Firm's transactions under this program will receive the applicable discounts. If there is more than one Clearing Trading Permit Holder that is billed for an Originating Firm's transactions under this program, then the discounts will be applied on a pro rata basis. Orders in which the capacity is changed to "Customer" on post-trade records using the Clearing Editor and single leg orders created by hard-edits to complex orders using the Clearing Editor are excluded from the Program.   |
| 49              | <p>* A Distributor of an Exchange Market Data product is any entity that receives the Exchange Market Data product directly from the Exchange or indirectly through another entity and then distributes it internally or externally to a third party.</p> <p>* An Internal Distributor of an Exchange Market Data product is a Distributor that receives the Exchange Market Data product and then distributes that data to one or more Users within the Distributor's own entity.</p> <p>* An External Distributor of an Exchange Market Data product is a Distributor that receives the Exchange Market Data product and then distributes that data to a third party or one or more Users outside the Distributor's own entity.</p> <p>* A User of an Exchange Market Data product is a natural person, a proprietorship, corporation, partnership, or entity, or device (computer or other automated service), that is entitled to receive Exchange data.</p> <p>* A "Non-Professional User" of an Exchange Market Data product is a natural person or qualifying trust that uses Data only for personal purposes and not for any commercial purpose and, for a natural person who works in the United States, is not: (i) registered or qualified in any capacity with the Securities and Exchange Commission, the Commodities Futures Trading Commission, any state securities agency, any securities exchange or association, or any commodities or futures contract market or association; (ii) engaged as an "investment adviser" as that term is defined in Section 202(a)(11) of the Investment Advisors Act of 1940 (whether or not registered or qualified under that Act); or (iii) employed by a bank or other organization exempt from registration under federal or state securities laws to perform functions that would require registration or qualification if such functions were performed for an organization not so exempt; or, for a natural person who works outside of the United States, does not perform the same functions as would disqualify such person as a Non-Professional User if he or she worked in the United States.</p> <p>* A Professional User of an Exchange Market Data product is any natural person recipient of an Exchange Market Data product who is not a Non-Professional User.</p> <p>* A "Display Only Service" allows a natural person end-user to view and manipulate data using the Distributor's computerized service, but not to save, copy, export or transfer the data or any results of the manipulation to any other computer hardware, software or media, except for printing it to paper or other non-magnetic media.</p> <p>* A "Device" means any computer, workstation or other item of equipment, fixed or portable, that receives, accesses and/or displays data in visual, audible or other form.</p> <p>* An "Approved Third-Party Device" means any computer, workstation or other item of equipment, fixed or portable, that receives, accesses and/or displays data in visual, audible or other form that has been provided by a third-party and that has been approved, by Cboe Options, for use on the Cboe Options trading floor.</p> <p>* A "Floor Broker User" is a person or entity registered with Cboe Options as a floor broker pursuant to Cboe Options Rules.</p> |
| 50              | First-time Users and Distributors of Exchange Market Data Products are eligible for a free trial and will not be charged any applicable fees (or receive any applicable credits) for 30 days for each of the real-time market data products listed on this Fee Schedule ("Product"). A first-time User would be any User that has not previously subscribed to a particular Product. A first-time Distributor would be any firm that has not previously distributed, internally or externally, a particular Product. The free trial would be for the 30 days starting on the date a User or Distributor is approved to receive trial access to Exchange market data. The Exchange will provide the 30-day free trial for each particular product to each User or Distributor once.   |
| 51              | Fees for Open-Close Data will be waived for recipients of the Options Institute Research Grant Program 2023.   |