

# Oppenheimer & Co., Inc. - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2023

April 2023

## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	85.82	3.24	9.55	1.40

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	43.45	43.22	41.97	44.14	56.17	4,487.08	16.0000	800.03	16.0000	881.53	16.0000	343.97	13.8580
Virtu Americas, LLC	41.23	41.25	42.63	41.15	37.49	3,222.17	14.0000	662.41	14.0000	739.51	14.0000	29.65	14.0000
StoneX Financial, Inc.	10.11	10.53	9.28	7.54	3.88	1,506.89	16.0000	201.32	16.0000	232.20	16.0000	6.90	16.0000
Two Sigma Securities, LLC	5.20	5.00	6.13	7.18	2.23	178.78	15.0000	20.73	15.0000	31.69	15.0000	6.81	15.0000

### Material Aspects:

#### CITADEL SECURITIES LLC:

Oppenheimer receives remuneration from Citadel/CDRG based on a rate per shares executed of 16 cents per 100 shares. Arrangements with CDRG are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

#### Virtu Americas, LLC:

Oppenheimer receives remuneration from Virtu/NITE based on a rate per shares executed of 14 cents per 100 shares. Arrangements with NITE are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

#### StoneX Financial, Inc.:

Oppenheimer receives remuneration from StoneX Financial, Inc./INTL based on a rate per shares executed of 16 cents per 100 shares. Arrangements with INTL are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

#### Two Sigma Securities, LLC:

Oppenheimer receives remuneration from Two Sigma/SOHO based on a rate per shares executed of 15 cents per 100 shares. Arrangements with SOHO are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

## April 2023

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### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	71.41	7.70	19.46	1.43

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	42.14	41.52	42.87	43.68	48.45	14,732.69	15.5476	7,670.01	14.5873	5,560.33	14.5592	357.92	6.0344
Virtu Americas, LLC	41.12	41.64	40.37	39.54	40.58	11,293.03	13.5594	5,309.57	12.4015	4,407.72	12.5253	350.05	14.0000
StoneX Financial, Inc.	12.38	12.52	12.17	12.22	8.37	4,044.84	15.5698	1,321.70	13.9678	1,207.47	15.5457	86.48	16.0000

#### Material Aspects:

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##### Virtu Americas, LLC:

Oppenheimer receives remuneration from Virtu/NITE based on a rate per shares executed of 14 cents per 100 shares. Arrangements with NITE are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

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## April 2023

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### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	12.30	11.31	49.15	27.18

## Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	41.41	51.96	41.25	45.82	28.82	3,116.56	28.5870	15,992.97	42.7997	13,087.96	40.9998	7,655.25	47.8274
Global Execution Brokers, LP	26.50	27.00	30.33	29.51	19.30	2,167.95	27.9952	18,970.79	36.7630	17,070.74	35.4179	10,235.25	39.1151
Wolverine Execution Services, LLC	21.28	20.42	26.15	22.33	17.79	2,467.30	27.7849	15,580.85	43.9429	10,737.55	41.3954	24,410.05	45.2222
MIAMI INTERNATIONAL SECURITIES EXCHANGE	1.22	0.00	0.00	0.00	4.47	0.00	0.0000	-47.10	-4.6871	-16.47	-4.5000	541.60	13.0225

## Material Aspects:

### CITADEL SECURITIES LLC:

Oppenheimer receives remuneration from Citadel/CDRG based on a rate per contracts executed. Arrangements with Citadel/CDRG are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.75 for options that quote in nickel increments; \$0.70 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, CDRG does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

### Global Execution Brokers, LP:

Oppenheimer receives remuneration from Global Execution/GEBB based on a rate per contracts executed. Arrangements with GEBB are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.70 for options that quote in nickel increments; \$0.75 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, GEBB does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

### Wolverine Execution Services, LLC:

Oppenheimer receives remuneration from Wolverine/WEXX based on a rate per contracts executed. Arrangements with WEXX are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.70 for options that quote in nickel increments; \$0.75 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, Wolverine does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

### MIAMI INTERNATIONAL SECURITIES EXCHANGE:

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.

## May 2023

## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	80.59	4.61	12.40	2.40

## Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	44.54	44.17	44.97	46.21	47.49	6,131.25	16.0000	1,970.77	16.0000	1,433.80	16.0000	198.67	6.6402
Virtu Americas, LLC	40.26	40.28	38.88	39.27	47.26	3,980.57	14.0000	787.97	14.0000	1,003.51	14.0000	230.54	14.0000
StoneX Financial, Inc.	9.58	10.13	9.67	7.29	2.63	1,832.07	16.0000	279.25	16.0000	317.04	16.0000	88.07	16.0000
Two Sigma Securities, LLC	5.60	5.42	6.48	7.19	1.46	236.96	15.0000	31.09	15.0000	56.41	15.0000	6.71	15.0000

### Material Aspects:

#### CITADEL SECURITIES LLC:

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#### Virtu Americas, LLC:

Oppenheimer receives remuneration from Virtu/NITE based on a rate per shares executed of 14 cents per 100 shares. Arrangements with NITE are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

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## May 2023

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	67.53	8.28	22.54	1.65

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	43.70	43.69	44.22	43.85	39.35	17,692.32	15.4093	9,955.84	14.3603	7,355.04	14.9032	658.85	12.8007

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Virtu Americas, LLC	40.10	40.00	39.19	40.11	48.63	13,710.32	13.1306	6,215.17	13.2246	5,529.44	13.2954	1,008.60	14.0000
StoneX Financial, Inc.	11.81	12.08	12.10	11.24	6.94	5,166.91	15.3367	2,754.31	15.0815	1,444.71	14.6839	100.70	16.0000

### Material Aspects:

#### CITADEL SECURITIES LLC:

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## May 2023

### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	11.43	10.54	45.78	32.20

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	38.19	50.03	38.48	44.99	24.29	3,950.88	29.0271	17,215.69	33.0734	16,514.71	37.7315	14,655.60	45.4550
Global Execution Brokers, LP	25.59	27.39	31.48	28.66	18.72	3,052.85	27.5429	13,709.91	36.2236	15,891.44	37.0128	13,927.05	42.6700
Wolverine Execution Services, LLC	21.16	22.14	25.22	23.08	16.80	3,380.50	29.0221	15,664.10	34.5443	15,308.00	38.8686	27,547.75	44.9392
Matrix Executions, LLC / Simplex Trading, LLC	2.80	0.00	0.20	0.65	7.72	0.00	0.0000	0.00	0.0000	-899.15	-19.6407	1,038.01	13.4771
NYSE ARCA OPTIONS	1.56	0.00	0.51	1.19	2.97	0.00	0.0000	-1,295.03	-13.0811	21,231.95	31.8206	-480.78	-1.4779

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
MIAMI INTERNATIONAL SECURITIES EXCHANGE	1.29	0.00	0.07	0.00	3.98	0.00	0.0000	-145.04	-4.5000	-1.12	-4.5000	83.66	15.1558

#### Material Aspects:

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##### NYSE ARCA OPTIONS:

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.

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## June 2023

### S&P 500 Stocks

#### Summary

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100.00	85.38	3.41	9.82	1.39

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	43.41	43.26	43.54	44.19	46.56	5,983.16	16.0000	1,512.83	16.0000	1,300.95	16.0000	128.88	6.2991
Virtu Americas, LLC	41.79	41.85	40.77	41.40	43.73	4,644.15	14.0000	1,247.95	14.0000	967.28	14.0000	132.80	14.0000

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StoneX Financial, Inc.	9.67	10.15	9.40	6.23	4.52	1,947.52	16.0000	309.61	16.0000	276.21	16.0000	28.24	16.0000
Two Sigma Securities, LLC	5.09	4.74	6.29	8.18	1.70	225.52	15.0000	34.93	15.0000	57.64	15.0000	3.60	15.0000

### Material Aspects:

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## June 2023

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	69.54	7.97	20.81	1.68

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	43.26	43.02	43.66	43.64	46.68	17,644.39	15.4116	9,233.10	14.3402	6,397.14	14.8157	534.41	7.4036
Virtu Americas, LLC	40.89	41.10	39.68	40.63	41.29	12,263.44	13.5103	4,897.52	12.3816	5,282.88	12.8930	658.67	14.0000
StoneX Financial, Inc.	11.49	11.95	11.86	10.22	6.50	4,802.93	15.5164	1,462.87	11.6252	1,436.20	15.5931	52.71	16.0000

**Material Aspects:**

CITADEL SECURITIES LLC:

Oppenheimer receives remuneration from Citadel/CDRG based on a rate per shares executed of 16 cents per 100 shares. Arrangements with CDRG are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

Virtu Americas, LLC:

Oppenheimer receives remuneration from Virtu/NITE based on a rate per shares executed of 14 cents per 100 shares. Arrangements with NITE are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

StoneX Financial, Inc.:

Oppenheimer receives remuneration from StoneX Financial, Inc./INTL based on a rate per shares executed of 16 cents per 100 shares. Arrangements with INTL are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer does not receive payment for odd lot orders or for stocks priced under \$1.00.

**June 2023****Options****Summary**

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	10.55	10.93	41.83	36.66

**Venues**

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	36.30	48.23	39.51	44.08	23.06	4,054.69	28.0815	17,367.43	33.5713	14,375.14	36.6629	15,561.17	48.9222
Global Execution Brokers, LP	26.01	29.53	28.47	30.50	19.18	2,998.80	26.8445	8,835.88	26.0753	11,953.44	34.9966	9,361.45	40.6454
Wolverine Execution Services, LLC	20.19	21.45	24.71	22.43	15.95	3,405.25	27.3580	14,932.90	32.5733	11,177.70	36.7313	27,553.40	46.8539
NYSE ARCA OPTIONS	2.25	0.00	0.59	1.81	3.89	0.00	0.0000	-1,604.88	-15.6102	16,407.78	28.7337	950.23	4.0716
CBOE EDGX OPTIONS EXCHANGE	2.03	0.00	0.17	0.00	5.48	0.00	0.0000	-296.66	-3.7878	-0.07	-3.5000	24,422.60	37.1543
MIAMI INTERNATIONAL SECURITIES EXCHANGE	1.89	0.00	0.14	0.00	5.12	0.00	0.0000	-168.88	-5.0010	-0.76	-4.5000	268.82	15.4231
INTERNATIONAL SECURITIES EXCHANGE, LLC	1.77	0.00	0.28	0.04	4.70	0.00	0.0000	-1,387.16	-38.3934	-561.26	-36.3272	3,102.40	18.7797

**Material Aspects:**

CITADEL SECURITIES LLC:

Oppenheimer receives remuneration from Citadel/CDRG based on a rate per contracts executed. Arrangements with Citadel/CDRG are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.75 for options that quote in nickel increments; \$0.70 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, CDRG does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

**Global Execution Brokers, LP:**

Oppenheimer receives remuneration from Global Execution/GEBB based on a rate per contracts executed. Arrangements with GEBB are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.70 for options that quote in nickel increments; \$0.75 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, GEBB does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

**Wolverine Execution Services, LLC:**

Oppenheimer receives remuneration from Wolverine/WEXX based on a rate per contracts executed. Arrangements with WEXX are not based upon order flow, volume minimums / maximums, decreased execution quality for increased payment, or the characteristics and categories of the order flow (i.e. order types). In addition, such arrangements do not include incentive or disincentive benchmarks. Oppenheimer receives per contract: \$0.70 for options that quote in nickel increments; \$0.75 for complex orders that quote in nickel increments; \$0.25 for options that quote in penny increments; and, \$0.35 for complex orders that trade in penny increments. For executions of Index options, Wolverine does not pay a fixed rate but will pass through any fess or rebates to Oppenheimer.

**NYSE ARCA OPTIONS:**

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.

**CBOE EDGX OPTIONS EXCHANGE:**

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.

**MIAMI INTERNATIONAL SECURITIES EXCHANGE:**

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.

**INTERNATIONAL SECURITIES EXCHANGE, LLC:**

Oppenheimer may route orders to Instinet LLC, which will then route those orders to exchanges. Instinet charges Oppenheimer \$0.015-0.045 per executed contract based on a volume-tiered pricing schedule. Instinet will pass through to Oppenheimer the Exchange base tier net exchange fees or rebates from Oppenheimer's orders.