

# Goldman Sachs & Co. LLC - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2024

October 2024

## 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
0.02	18.26	0.54	60.93	20.25

### 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)
New York Stock Exchange LLC. (NYSE)	58.81	29.21	0.92	59.67	10.18	-167.15	-3.2900	-34.30	-3.2800	1,031.90	5.8900	-25.81	-1.0100
The Nasdaq Stock Market LLC. (XNAS)	27.94	3.25	0.00	66.71	30.02	-115.67	-5.1400	0.00	0.0000	2,964.21	13.1400	81.69	4.0800
CBOE BZX Exchange (BATS)	4.57	0.11	0.00	57.05	42.82	-0.05	-7.5000	0.00	0.0000	-1,639.08	-29.8800	-544.49	-28.8400
NYSE Arca, Inc. (ARCA)	2.01	0.00	0.00	62.22	37.77	0.00	0.0000	0.00	0.0000	-647.72	-29.1200	-37.81	-19.1500
Members Exchange (MEMX)	1.37	0.00	0.00	52.96	47.03	0.00	0.0000	0.00	0.0000	-142.08	-26.3000	-4.98	-7.2400
Sigma X2 ATS (SGMT)	1.09	0.00	0.00	2.15	97.84	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGX Exchange (EDGX)	0.69	0.00	0.00	75.21	24.78	0.00	0.0000	0.00	0.0000	-952.10	-30.0000	-60.03	-30.0000
Investors Exchange LLC (IEXG)	0.59	0.00	0.00	45.01	54.98	0.00	0.0000	0.00	0.0000	-109.21	-13.5600	-32.30	-10.5700
NASDAQ OMX PSX (XPSX)	0.56	0.00	0.00	86.00	13.99	0.00	0.0000	0.00	0.0000	-63.77	-30.0000	-8.02	-30.0000
CBOE BYX Exchange (BATY)	0.31	0.00	0.00	54.23	45.76	0.00	0.0000	0.00	0.0000	4.68	1.7700	0.69	1.8900

## Material Aspects:

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

Members Exchange (MEMX):

An investment entity affiliate of GSCO has a minority, non-controlling ownership interest in MEMX. MEMX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/equities-trading-resources/us-equities-fee-schedule/>

Information reflecting MEMX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

CBOE EDGX Exchange (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/)

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

NASDAQ OMX PSX (XPSX):

PSX has a tiered pricing/payment schedule. For detailed information, please see the exchanges public website: <https://listingcenter.nasdaq.com/rulebook/phlx/rules/phlx-equity-7>

Information reflecting PSX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

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**October 2024**

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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
0.01	2.61	0.36	47.76	49.25

### 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)
NYSE Arca, Inc. (ARCA)	25.03	1.64	0.37	72.94	25.03	-581.66	-15.0000	-64.47	-5.8400	-1,766.59	-19.3700	-309.11	-14.0200
New York Stock Exchange LLC. (NYSE)	18.38	7.50	1.39	76.97	14.11	-148.68	-3.4400	-30.71	-2.2700	674.99	2.5500	-68.74	-7.5800
The Nasdaq Stock Market LLC. (XNAS)	12.24	3.64	0.00	67.65	28.70	-214.65	-5.1400	0.00	0.0000	2,065.47	4.9600	-119.27	-1.9600
Sigma X2 ATS (SGMT)	10.54	0.00	0.00	1.73	98.26	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX Exchange (BATS)	6.49	0.23	0.00	55.74	44.02	-8.53	-7.5000	0.00	0.0000	-5,437.09	-26.1000	-1,240.08	-27.4800
CBOE BYX Exchange (BATY)	4.17	0.00	0.00	3.58	96.41	0.00	0.0000	0.00	0.0000	13.91	1.4700	-0.03	-0.0300
CBOE EDGA Exchange (EDGA)	3.88	0.00	0.00	4.01	95.98	0.00	0.0000	0.00	0.0000	100.21	11.1900	8.73	8.9900
VIRTU Americas LLC (KCGM)	3.83	0.00	0.00	2.81	97.18	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX. (BOSE)	3.75	0.00	0.00	3.63	96.36	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
IntelligentCross ATS (INCR)	3.57	0.00	0.00	0.31	99.68	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects:

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

CBOE EDGA Exchange (EDGA):

EDGA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edga/](https://markets.cboe.com/us/equities/membership/fee_schedule/edga/)

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/bx/rules/bx-equity-7>

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202410.xlsx)

## October 2024

### 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
10.62	0.08	3.63	91.42	4.85

#### 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(cent per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred shares)
NYSE Arca, Inc. (PCOE)	38.26	0.02	0.29	97.35	2.33	-6,110.27	-11.9700	-48,510.14	-53.2800	151,455.06	28.6200	-1,607.38	-1.4900
Members Exchange (MXOP)	34.85	0.00	1.48	98.43	0.07	0.00	0.0000	-159,873.43	-48.7600	161,353.30	52.4300	62.74	3.7500
CBOE C2 Options Exchange, Inc. (C2OX)	8.85	0.00	0.53	99.46	0.00	0.00	0.0000	-56,209.14	-48.2800	44,536.74	33.2900	-28.32	-10.5600

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)
MIAX PEARL LLC (MPRL)	8.36	0.00	3.04	96.94	0.00	0.00	0.0000	-125,352.16	-60.8100	26,792.03	28.9600	-84.32	-27.6400
CBOE Options Exchange (XCBO)	4.44	0.93	7.99	41.61	49.45	-38,606.47	-30.2900	-33,553.87	-15.2300	-52,610.91	-21.4900	-28,013.42	-27.8100
NASDAQ BX Options (XBOX)	1.09	0.83	60.10	3.40	35.65	12,083.10	31.8000	55,565.65	15.9800	-27.45	-0.0800	28,813.60	41.4300
CBOE BZX Options Exchange (BATO)	0.72	0.00	47.63	52.09	0.26	0.00	0.0000	-59,846.15	-64.7800	25,932.55	14.9300	-45.90	-3.8300
NASDAQ Options Market LLC (NDOE)	0.55	0.00	84.46	15.45	0.08	0.00	0.0000	-132,645.68	-51.2400	2,556.88	9.0600	-44.72	-24.5700
Nasdaq ISE, LLC (ISOE)	0.52	1.06	15.05	18.99	64.89	4,282.24	13.2100	-33,417.30	-44.8300	16,047.52	16.6400	9,107.91	16.1000
NYSE American LLC (AMEX)	0.52	0.90	29.40	6.35	63.33	-20.50	-0.0700	-3,607.00	-2.9800	-1,541.52	-5.5400	-895.00	-1.5800

#### Material Aspects:

NYSE Arca, Inc. (PCOE):

PCOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

Members Exchange (MXOP):

An investment entity affiliate of GS&Co. has a minority, non-controlling ownership interest in MXOP. We also participate in a MXOP program whereby the affiliate can earn warrants, which provide the right, but not the obligation, to purchase additional equity in MXOP contingent upon GS&Co. achieving certain monthly executed contract thresholds through the end of April 2026.

MXOP has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/us-options-trading-resources/us-options-fee-schedule/>

Information reflecting the MXOP's tiered pricing/payment schedule, as applicable to GSCO, can be found at: [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

CBOE C2 Options Exchange, Inc. (C2OX):

C2OX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.cboe.com/us/options/membership/fee\\_schedule/ctwo/](https://www.cboe.com/us/options/membership/fee_schedule/ctwo/)

Information reflecting the C2OX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

MIAX PEARL LLC (MPRL):

MPRL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.miaxglobal.com/markets/us-options/pearl-options/fees>

Information reflecting the MPRL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

CBOE Options Exchange (XCBO):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferred" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferred" registered market makers for options orders the Firm sends to the exchange.

XCBO has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/options/membership/fee\\_schedule/xcbo/](https://markets.cboe.com/us/options/membership/fee_schedule/xcbo/)

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

NASDAQ BX Options (XBOX):

XBOX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://boxoptions.com/regulatory/fee-schedule/>

Information reflecting the XBOX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

CBOE BZX Options Exchange (BATO):

BATO has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/options/membership/fee\\_schedule/bato/](https://markets.cboe.com/us/options/membership/fee_schedule/bato/)

Information reflecting the BATO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

NASDAQ Options Market LLC (NDOE):

NDOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-options-7>

Information reflecting the NDOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

Nasdaq ISE, LLC (ISOE):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

ISOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

NYSE American LLC (AMEX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

AMEX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE\\_American\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE_American_Options_Fee_Schedule.pdf)

Information reflecting the AMEX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202410.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202410.xlsx)

## November 2024

### 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
0.02	18.71	0.71	60.59	19.98

#### 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)
New York Stock Exchange LLC. (NYSE)	56.18	30.92	1.26	57.79	10.01	-209.77	-3.8800	-13.08	-3.2500	1,278.04	7.8900	23.22	1.1200

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)
The Nasdaq Stock Market LLC. (XNAS)	28.57	3.68	0.00	68.45	27.85	-101.14	-5.2900	0.00	0.0000	229.23	2.2700	-60.02	-3.8600
CBOE BZX Exchange (BATS)	5.37	0.00	0.00	68.38	31.61	0.00	0.0000	0.00	0.0000	-1,709.72	-29.8900	-91.03	-21.0100
NYSE Arca, Inc. (ARCA)	2.30	0.00	0.00	64.56	35.43	0.00	0.0000	0.00	0.0000	-538.32	-29.4300	-50.78	-22.0100
Members Exchange (MEMX)	1.44	0.00	0.00	52.31	47.68	0.00	0.0000	0.00	0.0000	-157.14	-28.0600	0.27	0.2500
Sigma X2 ATS (SGMT)	1.25	0.00	0.00	6.91	93.08	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Investors Exchange LLC (IEXG)	0.97	0.00	0.00	32.22	67.77	0.00	0.0000	0.00	0.0000	-154.40	-13.7500	-60.75	-11.0000
CBOE EDGX Exchange (EDGX)	0.71	0.00	0.00	75.70	24.29	0.00	0.0000	0.00	0.0000	-665.29	-30.0000	-96.50	-30.0000
CBOE BYX Exchange (BATY)	0.53	0.00	0.00	50.80	49.19	0.00	0.0000	0.00	0.0000	5.12	1.5600	0.13	0.4600
NASDAQ OMX PSX (XPSX)	0.40	0.00	0.00	88.95	11.04	0.00	0.0000	0.00	0.0000	-43.50	-30.0000	-11.94	-30.0000

### Material Aspects:

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

#### Members Exchange (MEMX):

An investment entity affiliate of GSCO has a minority, non-controlling ownership interest in MEMX. MEMX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/equities-trading-resources/us-equities-fee-schedule/>

Information reflecting MEMX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

#### Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

#### CBOE EDGX Exchange (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/edgx/](https://markets.cboe.com/us/equities/membership/fee_schedule/edgx/)

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

#### CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

#### NASDAQ OMX PSX (XPSX):

PSX has a tiered pricing/payment schedule. For detailed information, please see the exchanges public website: <https://listingcenter.nasdaq.com/rulebook/phlx/rules/phlx-equity-7>

Information reflecting PSX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

## November 2024

### 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
0.01	2.84	0.34	51.40	45.40

#### 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)
NYSE Arca, Inc. (ARCA)	23.26	3.28	0.32	72.28	24.10	-1,391.57	-15.0000	28.60	7.4000	-2,263.80	-20.0600	-453.00	-16.5200
New York Stock Exchange LLC. (NYSE)	18.82	6.78	1.28	77.06	14.86	-222.26	-4.0200	-128.48	-4.9000	2,069.74	6.2000	-5.12	-0.1200
The Nasdaq Stock Market LLC. (XNAS)	15.33	3.44	0.01	70.90	25.62	-488.53	-5.2900	-0.25	-10.0000	3,185.97	5.8100	-695.98	-12.6300
Sigma X2 ATS (SGMT)	9.71	0.00	0.00	2.72	97.27	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX Exchange (BATS)	7.80	0.35	0.00	61.09	38.54	-5.26	-7.5000	0.00	0.0000	-7,233.17	-28.3700	-1,570.03	-25.6900



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)
CBOE BYX Exchange (BATY)	3.75	0.00	0.00	6.13	93.86	0.00	0.0000	0.00	0.0000	6.66	0.5800	-1.10	-0.8400
VIRTU Americas LLC (KCGM)	3.40	0.00	0.00	3.76	96.23	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NASDAQ OMX BX. (BOSE)	3.31	0.00	0.00	6.88	93.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Investors Exchange LLC (IEXG)	3.20	0.00	0.00	9.55	90.44	0.00	0.0000	0.00	0.0000	-373.46	-14.0100	-125.86	-11.9700
IntelligentCross ATS (INCR)	2.93	0.00	0.00	0.58	99.41	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects:

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/bx/rules/bx-equity-7>

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202411.xlsx)

## November 2024

### 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
10.26	0.07	3.28	83.99	12.64

#### 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)
Members Exchange (MXOP)	38.77	0.00	1.30	98.63	0.06	0.00	0.0000	-128,191.22	-43.9500	128,997.83	50.9900	37.55	3.1800
NYSE Arca, Inc. (PCOE)	34.06	0.02	0.25	89.07	10.63	-15,058.67	-19.5500	-46,935.95	-49.8200	100,884.57	22.0200	1,653.50	1.1700
CBOE C2 Options Exchange, Inc. (C2OX)	6.30	0.00	0.53	99.46	0.00	0.00	0.0000	-41,998.31	-43.1800	37,028.82	32.0900	-24.99	-15.1400
MIAX PEARL LLC (MPRL)	5.92	0.00	1.88	98.10	0.00	0.00	0.0000	-65,662.56	-47.2100	19,653.15	26.9100	-71.68	-32.1400
CBOE Options Exchange (XCBO)	4.89	0.85	10.10	46.82	42.20	-45,649.71	-22.1200	-36,219.53	-18.5600	-53,880.35	-21.7700	-25,114.89	-23.7000
Nasdaq ISE, LLC (ISOE)	1.71	0.25	4.91	5.65	89.17	2,224.23	12.3800	-29,238.46	-38.7900	12,120.03	12.7000	10,576.29	14.9900
MIAX Securities Exchange, LLC (MIAX)	1.56	0.21	2.74	2.16	94.86	1,767.00	13.5300	-3,166.05	-7.0600	-571.55	-2.7500	3,124.41	10.7600
NYSE American LLC (AMEX)	1.41	0.24	10.47	2.54	86.73	0.00	0.0000	-3,784.00	-3.3500	-1,137.52	-4.4400	-1,516.72	-2.6500
NASDAQ BX Options (XBOX)	1.36	0.46	38.83	2.73	57.96	8,236.60	23.1300	25,997.25	10.3500	111.50	0.4300	24,687.60	36.8200
Nasdaq PHLX, LLC (PHLX)	1.33	0.22	4.52	3.40	91.84	-2.82	-0.0400	-5,066.13	-8.3800	-505.48	-1.1900	-1,224.94	-2.9400

#### Material Aspects:

Members Exchange (MXOP):

An investment entity affiliate of GS&Co. has a minority, non-controlling ownership interest in MXOP. We also participate in a MXOP program whereby the affiliate can earn warrants, which provide the right, but not the obligation, to purchase additional equity in MXOP contingent upon GS&Co. achieving certain monthly executed contract thresholds through the end of April 2026.

MXOP has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/us-options-trading-resources/us-options-fee-schedule/>

Information reflecting the MXOP's tiered pricing/payment schedule, as applicable to GSCO, can be found at: [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

NYSE Arca, Inc. (PCOE):

PCOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

CBOE C2 Options Exchange, Inc. (C2OX):

C2OX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.cboe.com/us/options/membership/fee\\_schedule/ctwo/](https://www.cboe.com/us/options/membership/fee_schedule/ctwo/)

Information reflecting the C2OX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

MIAX PEARL LLC (MPRL):

MPRL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://www.miaxglobal.com/markets/us-options/pearl-options/fees>

Information reflecting the MPRL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

CBOE Options Exchange (XCBO):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

XCBO has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/options/membership/fee\\_schedule/xcbo/](https://markets.cboe.com/us/options/membership/fee_schedule/xcbo/)

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

Nasdaq ISE, LLC (ISOE):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

ISOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

MIAX Securities Exchange, LLC (MIAX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

MIAX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://www.miaxglobal.com/markets/us-equities/pearl-equities/fees>

Information reflecting the MIAX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

NYSE American LLC (AMEX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

AMEX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE\\_American\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE_American_Options_Fee_Schedule.pdf)

Information reflecting the AMEX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

NASDAQ BX Options (XBOX):

XBOX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://boxoptions.com/regulatory/fee-schedule/>

Information reflecting the XBOX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

Nasdaq PHLX, LLC (PHLX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive

payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

PHLX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/phlx/rules/phlx-equity-7>

Information reflecting the PHLX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202411.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202411.xlsx)

## December 2024

### 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
0.02	22.86	0.33	53.32	23.46

#### 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)
New York Stock Exchange LLC. (NYSE)	56.29	38.09	0.60	49.66	11.64	-193.65	-2.3400	-3.69	-1.0600	505.78	5.7000	-12.05	-0.9200
The Nasdaq Stock Market LLC. (XNAS)	27.71	4.19	0.00	66.70	29.10	-102.15	-6.2100	0.00	0.0000	2,214.06	12.0900	-168.25	-7.3500
CBOE BZX Exchange (BATS)	3.52	0.00	0.00	62.71	37.28	0.00	0.0000	0.00	0.0000	-1,069.98	-28.5600	-142.93	-26.2000
Sigma X2 ATS (SGMT)	2.53	0.00	0.00	2.17	97.82	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE Arca, Inc. (ARCA)	1.90	0.00	0.00	63.18	36.81	0.00	0.0000	0.00	0.0000	-490.70	-28.7200	-40.11	-15.1400
Members Exchange (MEMX)	1.31	0.00	0.00	50.74	49.25	0.00	0.0000	0.00	0.0000	-93.57	-27.1200	-5.85	-5.9600
Investors Exchange LLC (IEXG)	0.94	0.00	0.00	21.87	78.12	0.00	0.0000	0.00	0.0000	-103.01	-11.3900	-52.77	-10.3200
CBOE BYX Exchange (BATY)	0.83	0.00	0.00	30.90	69.09	0.00	0.0000	0.00	0.0000	5.08	1.6400	-0.76	-1.1700
NASDAQ OMX PSX (XPSX)	0.60	0.00	0.00	77.72	22.27	0.00	0.0000	0.00	0.0000	-50.58	-28.1700	-14.25	-29.9800
NASDAQ OMX BX. (BOSE)	0.59	0.00	0.00	24.41	75.58	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

#### Material Aspects:

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

Members Exchange (MEMX):

An investment entity affiliate of GSCO has a minority, non-controlling ownership interest in MEMX. MEMX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/equities-trading-resources/us-equities-fee-schedule/>

Information reflecting MEMX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

NASDAQ OMX PSX (XPSX):

PSX has a tiered pricing/payment schedule. For detailed information, please see the exchanges public website: <https://listingcenter.nasdaq.com/rulebook/phlx/rules/phlx-equity-7>

Information reflecting PSX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/bx/rules/bx-equity-7>

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

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## December 2024

### 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
0.03	1.89	0.25	37.20	60.65

## 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)
NYSE Arca, Inc. (ARCA)	16.72	2.36	0.38	71.28	25.96	-318.46	-14.8500	-10.12	-5.3300	-2,106.16	-17.4800	-654.75	-18.8100
Sigma X2 ATS (SGMT)	15.72	0.00	0.00	2.19	97.80	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
New York Stock Exchange LLC. (NYSE)	14.23	5.70	1.29	75.97	17.02	-75.81	-1.5600	3.09	0.0700	144.98	0.4600	-20.67	-0.7800
The Nasdaq Stock Market LLC. (XNAS)	11.77	3.85	0.00	66.81	29.33	-412.62	-6.8300	0.00	0.0000	-384.06	-0.6400	-458.86	-7.0300
CBOE BYX Exchange (BATY)	5.65	0.00	0.00	3.57	96.42	0.00	0.0000	0.00	0.0000	9.72	0.8200	1.12	0.4800
VIRTU Americas LLC (KCGM)	5.56	0.00	0.00	4.15	95.84	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE BZX Exchange (BATS)	5.19	0.14	0.00	47.33	52.52	-4.11	-7.5000	0.00	0.0000	-6,672.61	-25.7300	-1,807.53	-24.7200
NASDAQ OMX BX. (BOSE)	5.18	0.00	0.00	3.12	96.87	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
IntelligentCross ATS (INCR)	4.85	0.00	0.00	0.55	99.44	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
LEVEL ATS (EBXL)	4.81	0.00	0.00	3.96	96.03	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

## Material Aspects:

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

Sigma X2 ATS (SGMT):

SGMT is wholly owned by GSCO. Accordingly, GSCO receives revenue for executions in SGMT.

New York Stock Exchange LLC. (NYSE):

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

The Nasdaq Stock Market LLC. (XNAS):

The Firm is a Market Maker on XNAS in equities. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange.

XNAS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-7>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

CBOE BYX Exchange (BATY):

BATY has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/byx/](https://markets.cboe.com/us/equities/membership/fee_schedule/byx/)

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/bx/rules/bx-equity-7>

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202412.xlsx)

## December 2024

### 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
2.13	0.09	3.41	67.64	28.84

#### 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)
NYSE Arca, Inc. (PCOE)	38.45	0.02	0.29	73.91	25.76	-15,412.29	-26.6300	-40,202.91	-53.4900	118,176.45	26.0300	-6,748.77	-5.7800
Members Exchange (MXOP)	24.80	0.00	1.53	98.32	0.14	0.00	0.0000	-118,804.20	-50.2700	133,975.37	55.7100	-4.09	-0.2500
CBOE C2 Options Exchange, Inc. (C2OX)	6.26	0.00	0.84	99.14	0.01	0.00	0.0000	-39,088.11	-47.9800	39,944.88	33.9400	-230.96	-35.5300
Nasdaq ISE, LLC (ISOE)	6.13	0.09	1.97	2.01	95.91	1,649.45	10.4500	-32,633.72	-43.4700	10,672.92	13.2100	6,976.73	15.0200
MIAX PEARL LLC (MPRL)	5.94	0.00	2.25	97.73	0.00	0.00	0.0000	-76,888.07	-53.0900	15,761.38	20.7500	-517.47	-45.5900
CBOE Options Exchange (XCBO)	5.64	0.84	7.01	24.26	67.86	-41,299.45	-34.7700	-40,130.56	-21.6200	-55,778.08	-25.2400	-23,513.02	-27.9900
NYSE American LLC	2.79	0.15	5.09	1.50	93.25	-132.00	-0.8800	-4,955.50	-4.5900	-1,233.04	-4.7500	-2,578.55	-6.6700

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)
(AMEX)													
MIAX Securities Exchange, LLC (MIAX)	2.14	0.23	2.66	1.85	95.24	1,039.59	12.3500	-4,399.53	-10.2500	-585.07	-2.7200	2,098.30	7.4800
NASDAQ BX Options (XBOX)	2.11	0.44	30.94	1.94	66.66	6,904.90	17.6700	24,035.55	10.1400	11.30	0.0300	22,067.30	40.2500
Nasdaq PHLX, LLC (PHLX)	2.11	0.19	3.34	3.41	93.04	-184.88	-1.1300	-3,791.54	-7.2900	-645.32	-0.9100	-1,264.12	-2.9300

### Material Aspects:

NYSE Arca, Inc. (PCOE):

PCOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE\\_Arca\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf)

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

Members Exchange (MXOP):

An investment entity affiliate of GS&Co. has a minority, non-controlling ownership interest in MXOP. We also participate in a MXOP program whereby the affiliate can earn warrants, which provide the right, but not the obligation, to purchase additional equity in MXOP contingent upon GS&Co. achieving certain monthly executed contract thresholds through the end of April 2026.

MXOP has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://info.memxtrading.com/us-options-trading-resources/us-options-fee-schedule/>

Information reflecting the MXOP's tiered pricing/payment schedule, as applicable to GSCO, can be found at: [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

CBOE C2 Options Exchange, Inc. (C2OX):

C2OX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://www.cboe.com/us/options/membership/fee\\_schedule/ctwo/](https://www.cboe.com/us/options/membership/fee_schedule/ctwo/)

Information reflecting the C2OX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

Nasdaq ISE, LLC (ISOE):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

ISOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

MIAX PEARL LLC (MPRL):

MPRL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: <https://www.miaxglobal.com/markets/us-options/pearl-options/fees>

Information reflecting the MPRL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

CBOE Options Exchange (XCBO):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

XCBO has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: [https://markets.cboe.com/us/options/membership/fee\\_schedule/xcbo/](https://markets.cboe.com/us/options/membership/fee_schedule/xcbo/)

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

NYSE American LLC (AMEX):



Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

AMEX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
[https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE\\_American\\_Options\\_Fee\\_Schedule.pdf](https://www.nyse.com/publicdocs/nyse/markets/american-options/NYSE_American_Options_Fee_Schedule.pdf)

Information reflecting the AMEX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

MIAX Securities Exchange, LLC (MIAX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

MIAX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://www.miaxglobal.com/markets/us-equities/pearl-equities/fees>

Information reflecting the MIAX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

NASDAQ BX Options (XBOX):

XBOX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://boxoptions.com/regulatory/fee-schedule/>

Information reflecting the XBOX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)

Nasdaq PHLX, LLC (PHLX):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.

PHLX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
<https://listingcenter.nasdaq.com/rulebook/phlx/rules/phlx-equity-7>

Information reflecting the PHLX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202412.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202412.xlsx)