

# Goldman Sachs & Co. LLC - 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
0.02	2.76	17.17	45.56	34.49

### 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)	32.69	5.38	5.28	60.86	28.46	-17.02	-3.1200	-551.96	-21.6000	379.55	11.4800	-145.11	-10.2700
The Nasdaq Stock Market LLC. (XNAS)	27.40	2.39	16.81	41.73	39.04	-31.28	-5.0400	-1,502.16	-29.0500	455.75	11.5200	-448.26	-21.4200
NASDAQ OMX BX. (BOSE)	9.28	0.00	57.97	18.61	23.41	0.00	0.0000	10.77	2.3200	-516.42	-30.0000	-2.36	-1.8200
Investors Exchange LLC (IEXG)	5.81	0.00	17.83	28.43	53.73	0.00	0.0000	-94.56	-7.7000	-14.26	-1.3800	-44.77	-8.1200
CBOE EDGA Exchange (EDGA)	4.19	0.00	25.37	38.38	36.24	0.00	0.0000	167.66	19.7600	-602.99	-27.9000	21.66	7.6700
CBOE BZX Exchange (BATS)	4.07	0.00	37.66	34.92	27.40	0.00	0.0000	-2,302.15	-29.2400	-212.37	-9.8900	-307.54	-29.2000
NYSE Arca, Inc. (ARCA)	4.06	0.00	13.85	55.92	30.21	0.00	0.0000	-406.08	-30.0000	601.43	20.9100	93.03	17.3300
CBOE BYX Exchange (BATY)	2.80	0.00	2.46	54.40	43.12	0.00	0.0000	1.90	1.7800	-470.69	-19.5600	-40.47	-18.5400
CBOE EDGX Exchange (EDGX)	2.78	0.00	19.25	44.85	35.89	0.00	0.0000	-777.18	-30.0000	-2.09	-0.1600	-68.95	-24.3000
Nasdaq PHLX, LLC (XPHL)	2.01	0.00	26.82	36.62	36.54	0.00	0.0000	-225.45	-30.0000	202.96	19.9900	-42.84	-26.7200

**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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

Nasdaq PHLX, LLC (XPHL):

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

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April 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
0.03	0.87	8.05	45.78	45.28

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)	25.45	0.89	1.68	53.65	43.75	-288.84	-15.0000	-760.75	-28.9800	-244.03	-5.6900	-335.06	-18.4500
The Nasdaq Stock Market LLC. (XNAS)	15.79	1.44	11.30	44.84	42.40	-113.31	-5.0400	-2,077.13	-27.3100	880.14	6.5500	-561.63	-4.8700
New York Stock Exchange LLC. (NYSE)	13.26	1.69	3.84	62.35	32.10	-79.98	-3.1200	-903.96	-19.7400	847.08	7.5600	-284.76	-7.5700
NASDAQ OMX BX. (BOSE)	7.87	0.00	27.54	25.82	46.62	0.00	0.0000	34.50	2.3800	-443.29	-27.2100	-47.29	-6.8300
Investors Exchange LLC (IEXG)	6.29	0.00	9.22	40.38	50.39	0.00	0.0000	-139.89	-8.2600	-37.26	-2.1400	-129.56	-6.3200
CBOE BZX Exchange (BATS)	5.96	0.00	16.58	42.51	40.90	0.00	0.0000	-4,840.70	-29.3900	-1,570.90	-25.1000	-1,223.69	-28.2500
CBOE EDGA Exchange (EDGA)	5.80	0.00	12.09	38.98	48.92	0.00	0.0000	382.18	16.8900	-374.07	-21.7500	96.37	8.5800
CBOE BYX Exchange (BATY)	4.45	0.00	1.06	46.96	51.96	0.00	0.0000	7.90	1.9000	-210.55	-14.5300	-51.58	-12.1900
CBOE EDGX Exchange (EDGX)	3.17	0.00	10.23	50.28	39.48	0.00	0.0000	-1,152.76	-29.8700	-446.46	-16.9800	-204.04	-29.1700
Nasdaq PHLX, LLC (XPHL)	3.07	0.00	13.76	43.55	42.68	0.00	0.0000	-884.13	-26.7800	193.15	14.1600	-287.22	-26.6100

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)

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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.

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New York Stock Exchange LLC. (NYSE):

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[https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE\\_Price\\_List.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf)

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NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
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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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

Nasdaq PHLX, LLC (XPHL):

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202304.xlsx)

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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
0.17	0.12	6.39	86.89	6.59

## 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)
NASDAQ Options Market LLC (NDOE)	29.04	0.00	3.49	96.29	0.20	0.00	0.0000	-115,634.39	-52.0300	18,333.03	16.1200	1,279.23	25.2000
NYSE Arca, Inc. (PCOE)	28.34	0.04	0.59	91.99	7.36	-8,273.22	-16.0100	-40,680.29	-54.1700	105,205.33	29.2700	-22,272.26	-23.9100
CBOE C2 Options Exchange, Inc. (C2OX)	21.63	0.00	0.33	99.62	0.04	0.00	0.0000	-42,588.05	-46.2400	16,024.03	18.5200	21.52	1.5700
CBOE BZX Options Exchange (BATO)	9.29	0.00	6.43	93.35	0.21	0.00	0.0000	-88,354.18	-70.9900	34,478.46	18.9100	287.49	9.3300
CBOE Options Exchange (XCBO)	3.82	1.42	9.77	24.38	64.40	-16,983.18	-11.4700	-22,228.79	-17.9600	-28,811.15	-15.4700	-19,764.22	-18.3400
NASDAQ BX Options (XBOX)	1.53	0.45	76.07	9.01	14.45	11,823.30	61.6700	68,582.65	25.1700	-684.00	-2.4900	16,400.70	51.4200
MIAX PEARL LLC (MPRL)	1.32	0.00	77.87	20.47	1.64	0.00	0.0000	-199,563.95	-51.5200	197.78	0.4500	-1,012.55	-19.8300
Nasdaq ISE, LLC (ISOE)	1.10	1.44	14.95	19.90	63.69	7,750.90	3.5400	-31,216.22	-40.8200	6,454.47	10.8700	30,199.14	23.4900
NASDAQ BX Options (NBXO)	0.98	0.00	71.67	26.77	1.54	0.00	0.0000	-74,629.51	-41.2800	7,047.01	23.1700	156.38	5.7100
NYSE American LLC (AMEX)	0.66	1.10	39.72	20.49	38.67	0.00	0.0000	-4,526.03	-6.7000	-5,890.39	-18.1600	-812.67	-2.0300

## Material Aspects:

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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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/all-options-exchanges/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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.xlsx)

NASDAQ BX Options (NBXO):

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

Information reflecting the NBXO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.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\\_202304.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202304.xlsx)

## May 2023

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### 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	7.74	17.44	42.51	32.29

#### 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)	35.99	19.89	5.17	53.76	21.17	-65.69	-2.6700	-979.87	-25.9300	1,642.25	18.5500	-104.58	-11.7600
The Nasdaq Stock Market LLC. (XNAS)	24.46	2.14	18.13	40.53	39.18	-48.76	-4.4200	-2,686.12	-29.0700	492.39	8.6300	-390.22	-12.9100
NASDAQ OMX BX. (BOSE)	8.38	0.00	53.81	16.95	29.23	0.00	0.0000	22.89	2.5500	-1,238.71	-29.9900	-368.12	-26.5200
Investors Exchange LLC (IEXG)	5.90	0.00	19.57	26.63	53.78	0.00	0.0000	-267.82	-8.6800	-35.83	-0.5400	-58.22	-7.6400
CBOE BZX Exchange (BATS)	4.47	0.00	43.99	29.09	26.90	0.00	0.0000	-3,800.47	-29.1600	-33.20	-0.9600	-332.90	-28.4200
CBOE EDGA Exchange (EDGA)	4.34	0.00	31.02	37.02	31.94	0.00	0.0000	311.15	18.4900	-1,687.91	-28.6800	5.74	1.3900
NYSE Arca, Inc. (ARCA)	3.73	0.00	17.76	55.23	27.00	0.00	0.0000	-773.91	-30.0000	1,019.26	21.4200	25.09	6.3500
CBOE BYX Exchange (BATY)	2.63	0.00	4.28	50.81	44.90	0.00	0.0000	-51.19	-11.9300	-678.41	-19.1800	-15.05	-12.1100
CBOE EDGX Exchange (EDGX)	2.47	0.00	20.60	44.21	35.18	0.00	0.0000	-812.23	-30.0000	642.04	11.4900	10.16	1.9200
Nasdaq PHLX, LLC (XPHL)	2.07	0.00	34.95	34.58	30.46	0.00	0.0000	-323.26	-30.0000	595.83	29.9600	-23.79	-10.0200

#### 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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

Nasdaq PHLX, LLC (XPHL):

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

## 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
0.03	1.46	8.97	45.60	43.95

#### 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)	26.47	1.11	2.09	52.34	44.45	-438.07	-15.0000	-1,349.26	-26.4400	373.21	4.6500	-538.49	-17.4700
The Nasdaq Stock Market LLC. (XNAS)	15.79	1.63	12.09	45.44	40.82	-72.89	-4.4200	-3,178.00	-26.1900	1,057.14	5.0600	-2,100.22	-13.9800



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)	13.11	4.27	6.06	62.64	27.02	-52.24	-2.6500	-1,572.09	-23.6000	1,238.97	7.6000	-48.16	-1.3400
NASDAQ OMX BX. (BOSE)	7.53	0.00	28.31	26.06	45.61	0.00	0.0000	56.04	3.0000	-1,102.22	-17.1000	-180.22	-12.5700
CBOE BZX Exchange (BATS)	6.47	0.10	19.16	40.54	40.19	-4.47	-7.5000	-8,715.91	-29.4100	-1,623.67	-13.0500	-1,659.74	-26.5800
Investors Exchange LLC (IEXG)	6.13	0.00	7.31	40.35	52.32	0.00	0.0000	-282.09	-9.1300	-74.53	-0.7200	-155.64	-4.9200
CBOE EDGA Exchange (EDGA)	5.73	0.00	14.31	39.53	46.15	0.00	0.0000	617.40	16.9500	-2,078.03	-26.5700	-418.34	-13.9800
CBOE BYX Exchange (BATY)	4.22	0.00	1.89	48.21	49.89	0.00	0.0000	7.02	0.7500	-642.73	-18.1000	-136.83	-16.8100
Nasdaq PHLX, LLC (XPHL)	3.29	0.00	15.97	40.26	43.76	0.00	0.0000	-1,399.94	-30.0000	507.75	29.3400	-372.55	-22.1800
CBOE EDGX Exchange (EDGX)	3.12	0.00	11.87	47.51	40.60	0.00	0.0000	-1,954.26	-29.9000	-349.08	-5.0700	-224.08	-16.9100

#### 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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

Nasdaq PHLX, LLC (XPHL):

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202305.xlsx)

## 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
0.23	0.07	4.41	84.94	10.56

#### 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)
NASDAQ Options Market LLC (NDOE)	33.92	0.00	1.82	97.93	0.23	0.00	0.0000	-147,434.51	-50.7300	29,158.80	17.2500	2,055.80	26.6900
CBOE C2 Options Exchange, Inc. (C2OX)	28.37	0.00	0.18	99.78	0.02	0.00	0.0000	-57,044.65	-45.7300	26,610.79	18.8600	-168.02	-10.4800
NYSE Arca, Inc. (PCOE)	21.34	0.03	0.61	75.49	23.85	-9,228.70	-20.3200	-46,884.88	-53.5300	123,751.78	30.9800	-24,380.11	-20.9400

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 BZX Options Exchange (BATO)	6.02	0.00	8.13	91.52	0.33	0.00	0.0000	-112,191.76	-69.3500	40,935.29	16.3800	542.73	15.1300
CBOE Options Exchange (XCBO)	2.84	1.22	8.80	19.66	70.30	-23,249.43	-21.2400	-32,011.42	-19.0000	-32,884.04	-12.7900	-20,811.10	-16.9100
Nasdaq ISE, LLC (ISOE)	1.79	0.56	7.69	8.16	83.56	8,185.93	4.2500	-42,437.29	-39.9500	11,985.02	13.5200	17,374.55	18.4600
NASDAQ BX Options (XBOX)	1.07	0.37	68.98	8.48	22.16	7,267.80	52.0100	57,126.20	22.7000	-164.90	-0.5400	18,145.66	45.5600
MIAX PEARL LLC (MPRL)	1.05	0.00	74.09	23.44	2.46	0.00	0.0000	-256,959.32	-50.1000	-321.52	-0.6300	-399.85	-8.0600
NASDAQ BX Options (NBXO)	0.74	0.00	71.92	26.20	1.86	0.00	0.0000	-112,119.04	-42.7100	9,305.09	25.9800	-20.02	-0.4800
NYSE American LLC (AMEX)	0.72	0.66	20.40	12.32	66.59	-20.00	-0.0700	-6,159.18	-7.3800	-7,874.19	-21.0000	-574.85	-1.2500

#### Material Aspects:

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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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/all-options-exchanges/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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.xlsx)

NASDAQ BX Options (NBXO):

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

Information reflecting the NBXO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.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\\_202305.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202305.xlsx)

## June 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
0.03	3.10	19.26	44.80	32.82

#### 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)	30.57	4.82	6.03	63.02	26.11	-26.45	-1.9400	-764.92	-24.0200	450.88	12.6000	-100.50	-5.7400
The Nasdaq Stock Market LLC. (XNAS)	29.27	4.06	18.23	41.08	36.61	-143.88	-4.8200	-2,031.66	-29.7800	-25.52	-0.7200	-410.47	-15.5700
NASDAQ OMX BX. (BOSE)	9.86	0.00	61.67	14.39	23.92	0.00	0.0000	-0.56	-0.0800	-574.58	-29.9600	-198.63	-24.5300
Investors Exchange	5.75	0.00	20.63	28.22	51.14	0.00	0.0000	-121.31	-8.8300	-12.19	-0.3700	-58.32	-7.6800

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)
LLC (IEXG)													
CBOE BZX Exchange (BATS)	4.48	0.00	41.06	31.11	27.82	0.00	0.0000	-2,953.96	-29.2600	-293.54	-14.9100	-511.32	-28.2100
CBOE EDGA Exchange (EDGA)	4.24	0.00	24.98	36.85	38.16	0.00	0.0000	56.32	3.3900	-362.73	-25.7500	44.67	14.3400
NYSE Arca, Inc. (ARCA)	4.00	0.00	15.33	54.67	29.99	0.00	0.0000	-556.23	-30.0000	-63.38	-6.1200	-14.89	-4.1400
CBOE BYX Exchange (BATY)	2.65	0.00	3.52	55.25	41.22	0.00	0.0000	3.18	1.9100	-741.63	-19.6000	-61.35	-17.5100
CBOE EDGX Exchange (EDGX)	2.41	0.00	20.51	42.69	36.78	0.00	0.0000	-824.33	-30.0000	70.84	3.2400	45.41	4.6400
Nasdaq PHLX, LLC (XPHL)	1.91	0.00	30.09	33.94	35.96	0.00	0.0000	-248.26	-30.0000	447.21	30.0000	-57.40	-23.4500

#### 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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

Nasdaq PHLX, LLC (XPHL):

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

## 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
0.04	1.61	11.06	43.83	43.48

#### 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)	26.94	0.97	2.03	54.33	42.65	-742.15	-15.0000	-1,710.67	-28.1600	-139.78	-2.1800	-808.72	-15.2100
The Nasdaq Stock Market LLC. (XNAS)	15.51	2.34	16.96	44.12	36.57	-274.94	-4.8200	-3,776.42	-24.3000	470.19	2.7400	-2,429.32	-19.3000
New York Stock Exchange LLC. (NYSE)	11.63	5.72	6.46	59.04	28.76	-179.99	-1.6000	-1,656.79	-22.2000	-134.52	-1.3900	-328.88	-9.3500
NASDAQ OMX BX. (BOSE)	8.29	0.00	36.83	20.90	42.25	0.00	0.0000	53.54	3.3000	-774.55	-26.8500	-71.66	-5.8400
CBOE BZX Exchange (BATS)	6.58	0.29	19.99	39.57	40.13	-1.64	-7.5000	-9,457.94	-28.9300	-2,341.03	-22.1700	-1,997.75	-27.8000
Investors	5.91	0.00	11.47	37.75	50.76	0.00	0.0000	-253.83	-8.6400	-70.11	-2.1100	-213.67	-4.8300

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)
Exchange LLC (IEXG)													
CBOE EDGA Exchange (EDGA)	5.70	0.00	16.00	36.34	47.65	0.00	0.0000	500.14	12.3400	-1,495.49	-25.0100	95.11	5.1400
CBOE BYX Exchange (BATY)	4.35	0.00	2.13	45.97	51.89	0.00	0.0000	13.93	1.5000	-1,500.58	-18.5200	-165.00	-6.6800
CBOE EDGX Exchange (EDGX)	3.00	0.00	14.38	47.65	37.95	0.00	0.0000	-2,083.94	-28.9300	-466.77	-6.5000	-318.21	-18.0800
Nasdaq PHLX, LLC (XPHL)	2.86	0.00	18.41	38.90	42.68	0.00	0.0000	-1,052.73	-30.0000	939.75	27.8800	-104.80	-4.9700

### 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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

**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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

**Nasdaq PHLX, LLC (XPHL):**

XPHL 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 XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202306.xlsx)

## 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
0.31	0.05	3.05	82.50	14.38

**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)
NASDAQ Options Market LLC (NDOE)	33.83	0.00	1.06	98.88	0.05	0.00	0.0000	-117,505.40	-52.3300	35,471.15	24.0100	-201.56	-6.9200
CBOE C2 Options Exchange, Inc. (C2OX)	31.30	0.00	0.11	99.87	0.00	0.00	0.0000	-55,591.40	-46.4800	26,453.16	18.9000	-352.98	-35.5100
NYSE Arca, Inc. (PCOE)	18.00	0.03	0.62	70.34	28.99	-27,442.84	-36.8600	-50,530.39	-52.9100	45,184.64	11.2100	-25,899.26	-22.0900
CBOE BZX Options Exchange (BATO)	4.21	0.00	7.91	91.96	0.11	0.00	0.0000	-112,812.16	-69.5400	23,120.41	11.3600	-326.10	-20.8900
Nasdaq ISE, LLC (ISOE)	3.29	0.20	2.80	3.46	93.53	4,431.30	4.6900	-39,271.16	-41.0000	7,944.46	10.9200	24,769.25	13.6200
CBOE Options Exchange (XCBO)	2.51	1.05	7.43	15.23	76.26	-29,366.24	-31.1900	-36,714.77	-21.8900	-41,909.06	-18.5600	-17,058.16	-15.0600
NASDAQ BX Options	1.46	0.24	44.96	4.72	50.05	6,585.20	31.2000	62,291.15	20.1400	-441.55	-1.3100	18,527.10	47.8600



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)
(XBOX)													
NYSE American LLC (AMEX)	1.34	0.26	7.06	5.05	87.61	0.00	0.0000	-3,598.89	-6.3800	-8,081.21	-19.1500	-399.90	-1.3100
Nasdaq PHLX, LLC (PHLX)	0.98	0.41	6.10	7.54	85.93	-12.27	-0.0300	-7,840.40	-11.5500	-1,447.45	-3.4800	-249.51	-0.5800
MIAX Securities Exchange, LLC (MIAX)	0.93	0.31	8.07	7.00	84.60	35.44	0.3200	-6,823.58	-12.9500	-916.19	-3.2500	-49.22	-0.1300

### Material Aspects:

#### 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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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 "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.

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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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 "preferred" 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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.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.miaxoptions.com/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\\_202306.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202306.xlsx)