

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

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2nd Quarter, 2022

April 2022

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	2.08	12.89	48.18	36.82

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)	37.71	3.12	3.03	53.06	40.77	-19.40	-2.2200	-682.00	-26.3900	135.21	16.1100	-172.97	-20.0600
The Nasdaq Stock Market LLC. (XNAS)	27.28	2.71	11.48	49.85	35.93	-20.09	-4.7200	-1,013.38	-28.8600	367.47	24.3900	-323.82	-15.0500
NASDAQ OMX BX. (BOSE)	6.81	0.00	47.85	25.92	26.22	0.00	0.0000	10.25	2.9700	-474.57	-30.0000	-4.08	-5.6200
Investors Exchange LLC (IEXG)	4.79	0.00	26.47	38.36	35.16	0.00	0.0000	-95.55	-7.2000	-2.27	-0.1200	-14.95	-3.5100
CBOE EDGA Exchange (EDGA)	4.70	0.00	20.37	44.21	35.40	0.00	0.0000	140.60	19.9400	-147.06	-28.9600	-75.33	-14.6400
CBOE BZX Exchange (BATS)	3.94	0.00	34.03	32.95	33.01	0.00	0.0000	-1,600.40	-29.4100	25.55	2.1400	-399.31	-28.3900
CBOE BYX Exchange (BATY)	3.26	0.00	3.39	58.68	37.92	0.00	0.0000	31.10	14.5100	-183.85	-19.9700	-5.24	-5.6800
NYSE Arca, Inc. (ARCA)	2.76	0.00	21.06	41.89	37.04	0.00	0.0000	-264.02	-30.0000	177.21	26.9300	-48.97	-19.2000
CBOE EDGX Exchange (EDGX)	2.64	0.00	18.39	44.29	37.31	0.00	0.0000	-363.75	-30.0000	144.51	15.0000	-81.16	-19.3900
Nasdaq PHLX, LLC (XPHL)	2.21	0.00	22.06	41.35	36.57	0.00	0.0000	-235.14	-30.0000	13.63	20.0000	-9.66	-2.7600

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

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_202204.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_202204.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_202204.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/

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_202204.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/

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_202204.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/

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_202204.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

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_202204.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/

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_202204.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_202204.xlsx

April 2022

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	2.01	9.76	46.60	41.61

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)
The Nasdaq Stock Market LLC. (XNAS)	22.77	3.25	9.79	50.78	36.16	-51.18	-4.7200	-2,866.01	-29.6600	200.51	3.2400	-796.05	-14.7200
NYSE Arca, Inc. (ARCA)	20.69	1.91	2.95	47.43	47.68	-184.34	-15.0000	-1,218.92	-28.0800	314.76	13.0400	-195.03	-5.5900
New York Stock Exchange LLC. (NYSE)	16.69	3.96	3.86	50.20	41.97	-64.53	-2.2200	-1,385.20	-26.8600	611.53	19.6400	-89.88	-3.1300
NASDAQ OMX BX. (BOSE)	6.60	0.00	30.33	26.78	42.88	0.00	0.0000	42.76	3.2300	-620.66	-29.7600	-389.53	-16.9800
CBOE BZX Exchange (BATS)	5.64	0.49	25.48	31.08	42.94	-14.08	-7.5000	-6,238.21	-29.6100	-404.82	-14.7900	-2,462.21	-27.1900
CBOE EDGA Exchange (EDGA)	5.62	0.00	16.29	38.77	44.93	0.00	0.0000	385.20	16.2500	-1,590.93	-29.4600	-71.76	-3.3900
Investors Exchange LLC (IEXG)	5.12	0.00	13.39	45.34	41.26	0.00	0.0000	-154.71	-6.9800	-13.88	-0.5100	-83.79	-3.9500
XPSX (XPSX)	4.34	0.00	0.00	70.37	29.62	0.00	0.0000	0.00	0.0000	-1.08	-2.3900	-1.37	-22.0100
CBOE BYX Exchange (BATY)	3.51	0.00	2.82	53.16	44.01	0.00	0.0000	106.06	12.4300	-414.79	-18.3600	-47.79	-9.1200
Nasdaq PHLX, LLC (XPHL)	3.31	0.00	17.50	38.27	44.21	0.00	0.0000	-1,304.04	-29.9900	301.97	19.9900	-675.44	-25.1400

Material Aspects:

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_202204.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

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_202204.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

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_202204.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_202204.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/

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_202204.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/

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_202204.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/

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_202204.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_202204.xlsx

April 2022

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
1.01	0.06	4.67	36.31	58.94

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)	56.85	0.01	0.23	2.35	97.40	-8,886.93	-22.0400	-36,333.93	-57.3800	28,917.90	21.8000	1,221.52	1.1700
CBOE BZX Options Exchange (BATO)	28.53	0.00	3.46	96.53	0.00	0.00	0.0000	-163,958.90	-57.2900	131,230.20	28.2500	-133.55	-20.7600
NASDAQ Options Market LLC (NDOE)	5.83	0.00	12.21	87.77	0.00	0.00	0.0000	-129,991.71	-47.1100	22,292.05	23.0900	-16.20	-29.4500
CBOE Options Exchange (XCBO)	1.75	1.13	15.98	8.75	74.11	-15,073.30	-31.2500	-23,939.67	-18.7500	-25,316.95	-19.1200	-16,629.77	-21.6700
NASDAQ BX Options (NBXO)	1.55	0.00	19.26	80.70	0.03	0.00	0.0000	-48,844.01	-39.2100	20,056.05	37.0300	-25.40	-19.3800
Nasdaq ISE, LLC (ISOE)	1.19	0.90	9.88	7.14	82.05	11,779.70	22.5000	-23,739.27	-40.6600	6,167.09	8.6000	28,222.28	20.9600
NASDAQ BX Options (XBOX)	0.98	0.51	77.39	5.69	16.40	4,615.00	37.2700	29,351.00	21.5200	-1,648.45	-4.4300	10,862.50	42.0500
NYSE American LLC (AMEX)	0.65	0.83	37.55	8.15	53.45	-15.69	-0.1000	-1,969.73	-3.2700	-2,314.22	-6.3900	-2,963.47	-7.3100
CBOE EDGO Exchange (EDGO)	0.51	0.88	46.99	10.80	41.31	3,911.15	43.0200	-2,633.99	-2.8300	-1,917.26	-6.6100	5,175.46	35.3400
Nasdaq PHLX, LLC (PHLX)	0.49	1.15	27.36	10.81	60.67	-3.24	-0.0100	-5,873.81	-9.1400	-2,308.16	-5.7300	-5,375.49	-13.9100

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

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_202204.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/

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_202204.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_202204.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/

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_202204.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_202204.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_202204.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_202204.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

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_202204.xlsx

CBOE EDGO Exchange (EDGO):

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.

EDGO 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/edgo/

Information reflecting the EDGO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202204.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_202204.xlsx

May 2022

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	2.30	22.31	41.55	33.83

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)	33.49	2.30	7.12	49.71	40.84	-18.42	-2.0300	-792.13	-24.1800	422.19	17.6400	-178.59	-13.4700
The Nasdaq Stock Market LLC. (XNAS)	28.02	2.73	20.58	43.98	32.69	-17.10	-3.8300	-1,400.92	-29.2200	201.38	25.0400	-118.33	-12.2400
NASDAQ OMX BX. (BOSE)	9.47	0.00	63.28	14.46	22.24	0.00	0.0000	11.10	2.3500	-637.97	-29.9700	-35.38	-12.0900
Investors Exchange LLC (IEXG)	5.33	0.00	43.32	28.95	27.72	0.00	0.0000	-129.12	-7.3700	-0.45	-0.0500	-33.14	-5.0200
CBOE EDGA Exchange (EDGA)	4.66	0.00	28.89	38.52	32.58	0.00	0.0000	151.89	19.3000	-184.45	-29.5900	15.27	5.2900
CBOE BZX Exchange (BATS)	4.23	0.00	48.61	25.15	26.22	0.00	0.0000	-1,875.07	-29.3000	90.42	11.0400	-545.66	-25.7900
CBOE BYX Exchange (BATY)	2.83	0.00	5.40	54.45	40.13	0.00	0.0000	24.40	14.7200	-188.89	-20.0000	-8.27	-8.1100
NYSE Arca, Inc. (ARCA)	2.77	0.00	27.23	41.35	31.40	0.00	0.0000	-369.36	-30.0000	154.38	27.3500	-21.89	-10.2500
CBOE EDGX Exchange (EDGX)	2.74	0.00	26.32	41.58	32.08	0.00	0.0000	-548.24	-29.9900	49.61	15.4200	-15.64	-3.3400
Nasdaq PHLX, LLC (XPHL)	2.07	0.00	31.53	33.54	34.92	0.00	0.0000	-268.64	-30.0000	154.82	19.8700	-101.91	-21.1600

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

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_202205.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_202205.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_202205.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/

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_202205.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/

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_202205.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/

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_202205.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

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_202205.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/

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_202205.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_202205.xlsx

May 2022

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
0.02	1.47	17.48	42.08	38.95

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)
The Nasdaq Stock Market LLC. (XNAS)	25.95	1.40	18.32	44.81	35.45	-66.95	-3.8600	-5,290.79	-26.1300	576.91	5.9300	-1,630.54	-20.9200
New York Stock Exchange LLC. (NYSE)	16.72	3.30	8.16	47.98	40.54	-58.98	-2.0300	-2,443.96	-18.5000	767.11	13.5700	-166.00	-4.7500
NYSE Arca, Inc. (ARCA)	15.43	1.81	7.10	46.07	45.00	-173.15	-15.0000	-1,993.54	-28.6500	488.04	14.8000	-1,288.26	-24.3800
NASDAQ OMX BX. (BOSE)	8.31	0.00	42.31	21.51	36.17	0.00	0.0000	47.09	3.0000	-878.30	-29.5500	-182.03	-8.2400
CBOE BZX Exchange (BATS)	6.55	0.25	32.98	25.29	41.47	-8.85	-7.5000	-9,519.97	-29.4100	24.19	0.2300	-5,266.94	-27.3400
CBOE EDGA Exchange (EDGA)	5.45	0.00	22.06	36.82	41.10	0.00	0.0000	487.83	16.9600	-1,732.44	-29.0600	202.98	7.9600
Investors Exchange LLC (IEXG)	5.42	0.00	26.93	38.24	34.81	0.00	0.0000	-257.92	-7.1000	-30.08	-1.1500	-92.20	-4.8900
XPSX (XPSX)	3.54	0.00	0.00	68.47	31.52	0.00	0.0000	0.00	0.0000	-6.38	-13.4900	-0.85	-30.0000
CBOE EDGX Exchange (EDGX)	3.43	0.00	21.20	40.35	38.44	0.00	0.0000	-2,286.10	-29.9100	536.21	11.2000	-743.91	-19.0500
CBOE BYX Exchange (BATY)	3.41	0.00	5.72	52.16	42.10	0.00	0.0000	168.61	13.0000	-546.47	-18.8600	-229.26	-10.6500

Material Aspects:

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_202205.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

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_202205.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

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_202205.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_202205.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/

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_202205.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/

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_202205.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/

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_202205.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/

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_202205.xlsx

May 2022

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
1.59	0.03	2.09	61.25	36.60

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)
CBOE C2 Options Exchange, Inc. (C2OX)	45.14	0.00	0.06	99.93	0.00	0.00	0.0000	-37,287.94	-46.7900	53,380.57	21.1500	-44.04	-11.9000
NYSE Arca, Inc. (PCOE)	35.55	0.01	0.17	13.39	86.40	-7,006.66	-16.8700	-40,504.17	-53.7300	83,670.72	30.1200	-3,313.14	-2.9500
NASDAQ Options Market LLC (NDOE)	7.18	0.00	3.41	96.58	0.00	0.00	0.0000	-142,727.65	-50.9100	26,973.18	26.8000	-138.80	-27.1000
Nasdaq ISE, LLC (ISOE)	3.96	0.17	1.32	3.14	95.34	12,082.18	18.3400	-31,040.53	-40.3900	5,518.34	6.7300	27,973.28	14.6700

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)
CBOE BZX Options Exchange (BATO)	2.99	0.00	18.10	81.88	0.01	0.00	0.0000	-181,279.55	-57.7900	39,629.75	23.2200	-488.05	-33.6800
CBOE Options Exchange (XCBO)	1.18	0.92	11.22	17.28	70.57	-22,051.30	-34.8400	-32,192.11	-22.0700	-45,163.07	-25.8100	-25,625.91	-27.2500
NASDAQ BX Options (NBXO)	0.72	0.00	15.84	84.10	0.04	0.00	0.0000	-46,237.63	-38.0300	19,066.75	37.2800	-14.63	-3.7000
NASDAQ BX Options (XBOX)	0.68	0.44	49.80	15.06	34.67	5,013.74	52.5600	29,790.70	24.1000	-1,220.65	-2.8200	16,249.60	55.0700
NYSE American LLC (AMEX)	0.53	0.56	13.93	18.87	66.62	-220.25	-1.2700	-2,072.80	-3.2000	-1,913.25	-4.4500	-4,213.83	-8.2900
Nasdaq PHLX, LLC (PHLX)	0.44	0.80	11.36	24.96	62.86	-256.88	-1.3400	-8,649.55	-11.7700	-2,520.44	-5.4100	-4,154.95	-9.6100

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

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_202205.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_202205.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_202205.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/

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_202205.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/

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_202205.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_202205.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_202205.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

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_202205.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_202205.xlsx

June 2022

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
0.11	0.30	2.36	31.27	66.06

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)
SGMT (SGMT)	30.67	0.00	0.00	2.23	97.76	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
New York Stock Exchange LLC. (NYSE)	14.78	1.18	1.95	45.93	50.92	-24.29	-1.3700	-486.97	-18.4800	87.58	13.8400	-135.65	-19.7300
The Nasdaq Stock Market LLC. (XNAS)	13.54	0.80	4.36	53.18	41.64	-10.25	-2.1400	-823.85	-28.6300	80.45	10.9000	-150.16	-14.7100
Investors Exchange	6.47	0.00	3.81	19.26	76.92	0.00	0.0000	-62.72	-6.9200	-2.29	-0.0900	-11.72	-3.9900

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)													
NYSE Arca, Inc. (ARCA)	5.48	0.00	1.36	71.84	26.78	0.00	0.0000	-204.54	-29.9900	20.76	17.8000	14.38	3.3000
CBOE BZX Exchange (BATS)	5.41	0.00	4.13	64.88	30.97	0.00	0.0000	-1,429.89	-29.3300	19.45	5.5100	-230.90	-27.3800
CBOE EDGX Exchange (EDGX)	4.42	0.00	1.55	64.43	34.00	0.00	0.0000	-321.09	-30.0000	21.00	12.2000	-59.62	-26.8300
INCR (INCR)	2.09	0.00	0.00	4.50	95.49	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
CBOE EDGA Exchange (EDGA)	2.05	0.00	7.17	55.93	36.88	0.00	0.0000	95.62	18.4400	-124.49	-28.0000	-47.53	-14.5100
NASDAQ OMX BX. (BOSE)	1.86	0.00	33.46	33.15	33.38	0.00	0.0000	2.26	0.7300	-106.99	-28.2000	-20.25	-15.9100

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

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_202206.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_202206.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

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_202206.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/

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_202206.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/

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_202206.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/

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_202206.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_202206.xlsx

June 2022

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
0.15	0.20	2.11	39.98	57.70

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)
SGMT (SGMT)	25.51	0.00	0.00	2.04	97.95	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
NYSE Arca, Inc. (ARCA)	12.61	0.40	0.87	77.58	21.13	-216.86	-15.0000	-1,107.52	-29.3200	656.01	17.0800	-375.08	-10.2100
The Nasdaq Stock Market LLC. (XNAS)	10.89	0.56	4.09	59.02	36.32	-43.23	-2.1400	-2,479.01	-25.9100	47.23	1.0200	-1,111.30	-20.0100
New York Stock Exchange LLC. (NYSE)	10.04	0.56	1.38	57.91	40.13	-27.18	-1.3700	-1,227.60	-24.6600	857.15	12.1100	-186.62	-6.7600
CBOE EDGX Exchange (EDGX)	7.10	0.00	1.21	75.67	23.11	0.00	0.0000	-1,122.19	-29.8700	35.62	0.8600	-586.20	-27.6700
CBOE BZX Exchange (BATS)	6.60	0.01	4.14	72.11	23.72	-0.56	-7.5000	-5,162.33	-29.5100	-650.70	-11.4600	-3,098.89	-23.8800
Investors Exchange LLC (IEXG)	5.48	0.00	2.98	23.70	73.31	0.00	0.0000	-118.67	-6.6800	-13.57	-0.6400	-67.99	-4.2100
CBOE EDGA Exchange (EDGA)	2.88	0.00	6.53	57.01	36.45	0.00	0.0000	354.75	18.2600	-1,082.51	-27.4000	-1,363.06	-19.1100
CBOE BYX Exchange (BATY)	2.36	0.00	0.72	59.79	39.47	0.00	0.0000	77.30	14.4400	-656.60	-19.2600	23.50	3.2700
NASDAQ OMX BX. (BOSE)	2.15	0.00	25.75	27.50	46.73	0.00	0.0000	-67.92	-4.3500	-472.70	-24.0700	-113.23	-7.1100

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

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_202206.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_202206.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

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_202206.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/

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_202206.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/

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_202206.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/

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_202206.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/

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_202206.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_202206.xlsx

June 2022

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
0.96	0.07	3.51	41.03	55.36

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)	51.14	0.02	0.18	12.59	87.20	-9,628.73	-26.8100	-23,273.16	-56.5900	44,772.56	26.4400	-5,078.74	-6.8900
CBOE C2 Options Exchange, Inc. (C2OX)	25.75	0.00	0.18	99.81	0.00	0.00	0.0000	-19,346.51	-46.6300	33,476.39	20.5000	1.42	0.3600
Nasdaq ISE, LLC (ISOE)	5.64	0.25	1.63	4.21	93.89	8,030.25	14.7500	-16,716.29	-40.6500	3,851.88	7.6000	12,804.29	17.2600
CBOE BZX Options Exchange (BATO)	4.88	0.00	14.88	85.09	0.02	0.00	0.0000	-118,959.75	-57.1500	36,049.30	29.2200	-736.90	-41.0300
CBOE Options Exchange (XCBO)	3.39	0.56	7.02	11.99	80.41	-11,913.30	-30.5400	-26,253.88	-23.8700	-37,590.50	-33.1800	-17,721.55	-30.6800
NASDAQ Options Market LLC (NDOE)	2.31	0.00	21.90	78.05	0.03	0.00	0.0000	-86,072.90	-51.1300	24,691.15	34.3000	-348.50	-35.1600
NYSE American LLC (AMEX)	1.89	0.35	6.88	10.39	82.36	-6.00	-0.0500	-1,503.61	-4.4000	-1,019.91	-2.7300	-3,542.25	-15.4300
Nasdaq PHLX, LLC (PHLX)	1.02	0.69	8.37	20.19	70.73	-5.91	-0.0700	-2,803.49	-7.5200	-1,394.67	-4.1200	-4,972.70	-7.7500
NASDAQ BX Options (XBOX)	0.80	0.85	57.10	25.16	16.87	3,892.20	53.2000	25,775.95	26.2300	-651.35	-1.6900	6,734.00	50.0500
MIAX PEARL LLC (MPRL)	0.76	0.00	43.48	56.46	0.05	0.00	0.0000	-53,184.29	-53.1700	3,908.22	10.7500	-110.10	-31.8200

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

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_202206.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_202206.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/

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_202206.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/

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_202206.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_202206.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

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_202206.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_202206.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_202206.xlsx

MIAX PEARL LLC (MPRL):

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

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_202206.xlsx