

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

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2nd Quarter, 2020

April 2020

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
0.77	2.19	22.51	45.72	29.56

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)
The Nasdaq Stock Market LLC. (XNAS)	30.12	0.91	8.16	11.96	9.09	-93.18	-6.7200	-7,437.95	-29.8100	57.19	0.7100	-530.21	-14.5800
New York Stock Exchange LLC. (NYSE)	24.77	1.28	2.64	12.66	8.17	-81.21	-1.9900	-4,260.59	-24.6200	137.63	1.7000	-58.78	-1.3800
CBOE EDGA Exchange (EDGA)	7.28	0.00	1.87	3.40	2.00	0.00	0.0000	343.67	7.5700	-957.18	-20.9000	-108.26	-9.6000
CBOE BZX Exchange (BATS)	6.66	0.00	3.38	1.87	1.40	0.00	0.0000	-5,470.73	-29.8700	-714.69	-16.9400	-453.04	-21.8600
NASDAQ OMX BX. (BOSE)	6.51	0.00	1.30	3.40	1.80	0.00	0.0000	117.62	7.9800	-1,300.10	-25.8100	-242.60	-24.1100
CBOE EDGX Exchange (EDGX)	5.45	0.00	1.24	2.72	1.48	0.00	0.0000	-2,458.69	-26.5800	95.54	2.3800	-119.90	-14.9400
Investors Exchange LLC (IEXG)	5.33	0.00	1.16	2.65	1.51	0.00	0.0000	-270.13	-6.1500	-146.56	-3.3900	-29.66	-4.5800
CBOE BYX Exchange (BATY)	4.83	0.00	0.44	2.76	1.63	0.00	0.0000	-69.62	-3.6600	-707.51	-17.6300	-382.47	-17.6600
NYSE Arca, Inc. (ARCA)	4.78	0.00	1.56	2.02	1.19	0.00	0.0000	-2,747.47	-27.9100	232.06	6.1500	-0.48	-0.0300
Nasdaq PHLX, LLC (XPHL)	2.37	0.00	0.44	1.22	0.69	0.00	0.0000	-809.04	-25.0000	187.21	7.4600	-7.90	-1.8200

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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.xlsx

Nasdaq PHLX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-lcrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.xlsx

April 2020

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
0.58	0.90	13.93	49.92	35.23

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)	32.60	0.34	1.75	16.16	14.34	-447.53	-15.0000	-5,701.07	-28.1200	1,480.47	11.9300	-4,652.80	-21.9000
The Nasdaq Stock Market LLC. (XNAS)	15.31	0.22	4.41	6.70	3.96	-87.34	-6.7200	-9,039.63	-29.0100	2,830.62	12.8800	-4,064.99	-24.1600
New York Stock Exchange LLC. (NYSE)	12.45	0.32	1.34	7.96	2.82	-50.32	-1.9700	-4,431.01	-23.3800	4,805.46	16.0000	-1,521.59	-18.2000
CBOE EDGA Exchange (EDGA)	6.34	0.00	0.98	3.16	2.19	0.00	0.0000	606.21	12.8800	-3,029.18	-23.9000	-61.01	-1.0100
NASDAQ OMX BX. (BOSE)	6.06	0.00	0.87	3.03	2.15	0.00	0.0000	255.53	10.6900	-2,632.07	-25.4600	-171.77	-4.2100
CBOE EDGX Exchange (EDGX)	5.90	0.00	1.24	2.56	2.09	0.00	0.0000	-4,791.67	-26.3600	2,428.45	12.4400	-2,861.78	-22.4400
CBOE BZX Exchange (BATS)	5.65	0.00	1.77	2.08	1.78	-2.97	-5.0000	-7,653.00	-29.2700	-517.36	-7.3300	-4,243.36	-20.5000
Investors Exchange LLC (IEXG)	4.96	0.00	0.61	2.53	1.81	0.00	0.0000	-301.52	-6.2300	-335.04	-4.3800	-143.06	-3.7800
CBOE BYX Exchange (BATY)	4.90	0.00	0.31	2.74	1.84	0.00	0.0000	259.02	9.3900	-1,434.17	-17.2200	-618.47	-10.0100
Nasdaq PHLX, LLC (XPHL)	3.08	0.00	0.39	1.53	1.15	0.00	0.0000	-1,397.03	-24.8900	453.72	11.1900	-1,068.26	-21.8500

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/us_equities_rate_card_202004.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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.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/us_equities_rate_card_202004.xlsx

Nasdaq PHLX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-lcrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202004.xlsx

April 2020

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
5.38	0.00	4.08	89.06	6.84

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE BZX Options Exchange (BATO)	65.56	0.00	2.06	63.50	0.00	0.00	0.0000	-213,295.40	-58.2300	120,150.09	32.3700	-146.96	-15.0100
NASDAQ Options Market LLC (NDOE)	17.10	0.00	0.81	16.29	0.00	0.00	0.0000	-141,759.68	-51.5800	53,268.92	32.9800	-24.57	-4.9200
NYSE Arca, Inc. (PCOE)	6.37	0.00	0.08	4.89	1.39	286.65	7.6000	-22,092.47	-52.5500	42,060.41	22.2800	29,199.06	21.7500
Nasdaq ISE, LLC (ISOE)	2.68	0.00	0.08	0.27	2.31	2,398.45	10.6900	-26,265.43	-40.1800	7,177.96	11.1700	94,296.90	31.9900
CBOE Options Exchange (XCBO)	2.10	0.00	0.13	0.47	1.49	-521.78	-9.2500	-10,051.59	-16.0600	-33,930.26	-23.7700	-14,797.94	-11.8700
Nasdaq PHLX, LLC (PHLX)	1.23	0.00	0.07	0.27	0.88	0.00	0.0000	-12,277.29	-20.4400	-901.44	-2.5800	-12.96	-0.0100
MIAX PEARL LLC (MPRL)	1.19	0.00	0.19	1.00	0.00	0.00	0.0000	-54,737.28	-49.3700	6,136.92	13.0000	-16.65	-6.6600
NYSE American LLC (AMEX)	1.09	0.00	0.08	0.24	0.76	0.00	0.0000	-285.85	-0.5900	-461.25	-1.2200	0.00	0.0000
Nasdaq GEMX, LLC (ISEG)	0.74	0.00	0.17	0.57	0.00	0.00	0.0000	-45,049.83	-51.0000	5,090.40	14.9200	21.36	13.5200
CBOE C2 Options Exchange, Inc. (C2OX)	0.57	0.00	0.04	0.52	0.00	0.00	0.0000	-31,125.04	-45.7300	-11,792.98	-21.7900	-71.08	-40.3900

Material Aspects:

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/us_options_rate_card_202004.xlsx

NASDAQ Options Market LLC (NDOE):

NDOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaq.cchwallstreet.com/nasdaq/main/nasdaq-llrules/chp_1_1/chp_1_1_3/chp_1_1_3_3/default.asp

Information reflecting the NDOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202004.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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202004.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:
http://ise.cchwallstreet.com/contents/ise/ise-rules/chp_1_1/chp_1_1_22/default.asp

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202004.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/us_options_rate_card_202004.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:
http://nasdaqomxphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-llrules/chp_1_1/chp_1_1_3/

Information reflecting the PHLX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202004.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/us_options_rate_card_202004.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/us_options_rate_card_202004.xlsx

Nasdaq GEMX, LLC (ISEG):

ISEG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqgemx.cchwallstreet.com/contents/gemx/nasdaq-gemx-rules/chp_1_1/chp_1_1_2/

Information reflecting the ISEG's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202004.xlsx

May 2020

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
0.83	1.15	21.69	45.05	32.10

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)	29.38	0.59	6.55	12.18	10.04	-85.75	-7.1800	-4,932.02	-28.8800	691.47	24.2100	-767.92	-22.2300
New York Stock Exchange LLC. (NYSE)	25.12	0.56	2.11	13.91	8.52	-52.59	-2.3300	-2,913.49	-25.9000	1,101.90	18.5900	-185.91	-5.5300
CBOE EDGA Exchange (EDGA)	7.13	0.00	1.84	3.11	2.17	0.00	0.0000	659.55	17.7900	-989.37	-25.8800	-44.37	-5.8400
NASDAQ OMX BX. (BOSE)	6.50	0.00	1.59	2.93	1.97	0.00	0.0000	185.84	10.3200	-552.90	-27.9100	-172.22	-19.1000
CBOE BZX Exchange (BATS)	6.14	0.00	3.74	1.21	1.19	0.00	0.0000	-5,646.03	-29.9500	217.20	23.6400	-488.52	-28.3900
CBOE EDGX Exchange (EDGX)	5.59	0.00	1.53	2.37	1.68	0.00	0.0000	-2,574.09	-26.7700	323.97	19.8100	-133.17	-14.2500
Investors Exchange LLC (IEXG)	5.40	0.00	1.42	2.32	1.65	0.00	0.0000	-253.43	-6.5800	-82.04	-3.1200	-31.43	-3.8400
CBOE BYX Exchange (BATY)	5.17	0.00	0.63	2.79	1.74	0.00	0.0000	175.40	14.3000	-527.00	-18.9300	-180.13	-15.9500
NYSE Arca, Inc. (ARCA)	4.78	0.00	1.47	1.90	1.40	0.00	0.0000	-2,362.58	-29.7800	507.76	27.9900	-133.64	-12.6000
Nasdaq PHLX, LLC (XPHL)	2.97	0.00	0.52	1.46	0.98	0.00	0.0000	-1,152.77	-25.0000	500.26	19.9100	-104.47	-16.5900

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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.xlsx

Nasdaq PHILX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-lcrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.xlsx

May 2020

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
0.65	0.75	13.20	50.01	36.02

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)	32.95	0.23	1.45	16.80	14.45	-353.52	-15.0000	-5,865.40	-26.6300	1,149.03	23.6500	-2,092.73	-21.6000
The Nasdaq	15.26	0.24	3.61	7.64	3.76	-90.21	-7.1800	-9,417.52	-24.5900	2,437.02	21.9000	-1,920.43	-24.1300

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)
Stock Market LLC. (XNAS)													
New York Stock Exchange LLC. (NYSE)	12.24	0.27	1.24	7.57	3.14	-118.21	-2.3300	-3,919.28	-21.1700	2,987.24	18.0000	-474.01	-7.0600
CBOE EDGA Exchange (EDGA)	6.47	0.00	1.00	3.03	2.43	0.00	0.0000	1,009.01	19.4200	-2,283.79	-25.9100	228.47	9.4100
CBOE EDGX Exchange (EDGX)	6.10	0.00	1.50	2.36	2.24	0.00	0.0000	-5,051.05	-26.6300	796.01	17.7900	-1,372.03	-18.2700
NASDAQ OMX BX. (BOSE)	6.00	0.00	0.92	2.78	2.29	0.00	0.0000	320.81	10.2800	-1,724.15	-27.9600	-89.18	-4.1400
CBOE BZX Exchange (BATS)	5.07	0.00	1.80	1.70	1.55	0.00	0.0000	-8,282.87	-29.8000	692.41	17.6400	-1,541.42	-16.0100
CBOE BYX Exchange (BATY)	5.05	0.00	0.36	2.71	1.97	0.00	0.0000	356.28	13.1200	-1,111.91	-18.9500	-142.46	-7.2500
Investors Exchange LLC (IEXG)	4.89	0.00	0.59	2.46	1.83	0.00	0.0000	-298.62	-6.0800	-142.73	-3.0200	-109.35	-4.0200
Nasdaq PHLX, LLC (XPHL)	3.35	0.00	0.41	1.62	1.31	0.00	0.0000	-1,790.27	-24.9900	1,161.71	19.4600	-511.72	-18.5900

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/us_equities_rate_card_202005.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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.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/us_equities_rate_card_202005.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/us_equities_rate_card_202005.xlsx

Nasdaq PHLX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-llcrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202005.xlsx

May 2020

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
9.81	0.00	3.77	88.09	8.12

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 BZX Options Exchange (BATO)	64.12	0.00	1.49	62.63	0.00	0.00	0.0000	-223,422.25	-59.4800	80,701.39	24.7900	-76.80	-16.8400
NASDAQ Options Market LLC (NDOE)	18.56	0.00	0.83	17.73	0.00	0.00	0.0000	-172,382.52	-52.6000	40,666.35	25.0700	-75.70	-13.9200

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)	6.60	0.00	0.08	4.40	2.11	172.68	0.9300	-28,914.24	-56.0600	42,265.88	23.4000	27,349.71	15.4700
Nasdaq ISE, LLC (ISOE)	3.31	0.00	0.16	0.21	2.93	6,655.00	21.8400	-63,310.11	-39.8800	11,490.48	21.6400	101,596.78	31.8800
CBOE Options Exchange (XCBO)	1.92	0.00	0.14	0.30	1.47	-528.38	-2.9900	-11,760.43	-13.3400	-21,350.88	-17.8200	-13,437.67	-10.7300
Nasdaq PHLX, LLC (PHLX)	1.11	0.00	0.08	0.19	0.82	0.00	0.0000	-14,979.75	-17.6000	-688.68	-2.0100	-420.28	-0.4400
NYSE American LLC (AMEX)	1.08	0.00	0.10	0.20	0.76	0.00	0.0000	393.36	0.5600	151.65	0.4100	-57.82	-0.0900
MIAX PEARL LLC (MPRL)	1.03	0.00	0.21	0.81	0.00	0.00	0.0000	-76,455.99	-50.0100	7,723.03	18.5500	-26.85	-8.5200
Nasdaq GEMX, LLC (ISEG)	0.73	0.00	0.20	0.52	0.00	0.00	0.0000	-62,307.72	-52.9500	5,075.73	16.7700	9.59	19.1800
CBOE C2 Options Exchange, Inc. (C2OX)	0.37	0.00	0.06	0.30	0.00	0.00	0.0000	-40,176.61	-46.6900	-11,694.44	-25.6700	-49.55	-37.8200

Material Aspects:

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/us_options_rate_card_202005.xlsx

NASDAQ Options Market LLC (NDOE):

NDOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaq.cchwallstreet.com/nasdaq/main/nasdaq-lcrules/chp_1_1/chp_1_1_3/chp_1_1_3_3/default.asp

Information reflecting the NDOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202005.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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202005.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: http://ise.cchwallstreet.com/contents/ise/ise-rules/chp_1_1/chp_1_1_22/default.asp

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202005.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/us_options_rate_card_202005.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:
http://nasdaqomxphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-llrules/chp_1_1/chp_1_1_3/

Information reflecting the PHLX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202005.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/us_options_rate_card_202005.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/us_options_rate_card_202005.xlsx

Nasdaq GEMX, LLC (ISEG):

ISEG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqgemx.cchwallstreet.com/contents/gemx/nasdaq-gemx-rules/chp_1_1/chp_1_1_2/

Information reflecting the ISEG's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202005.xlsx

June 2020

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
0.83	1.11	18.43	47.46	32.97

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)	31.69	0.46	7.10	13.20	10.92	-42.90	-4.0600	-6,338.07	-29.6900	491.02	19.1300	-624.39	-16.0800
New York Stock Exchange LLC. (NYSE)	25.90	0.65	1.66	15.38	8.18	-41.95	-1.3600	-3,295.54	-25.4600	674.36	14.2200	37.38	0.7000
NASDAQ	6.63	0.00	1.44	2.95	2.23	0.00	0.0000	146.76	8.4700	-1,518.48	-27.9800	-184.66	-23.3800

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)
OMX BX. (BOSE)													
CBOE EDGA Exchange (EDGA)	6.51	0.00	1.43	2.90	2.17	0.00	0.0000	422.13	13.5400	-866.35	-25.6700	-84.48	-10.7200
CBOE EDGX Exchange (EDGX)	5.59	0.00	1.70	2.19	1.70	0.00	0.0000	-3,271.90	-26.8000	930.65	18.6600	-131.94	-18.5400
Investors Exchange LLC (IEXG)	5.27	0.00	1.05	2.42	1.79	0.00	0.0000	-152.89	-5.0900	-129.42	-3.0300	-30.24	-5.8600
CBOE BYX Exchange (BATY)	4.91	0.00	0.34	2.77	1.78	0.00	0.0000	82.21	10.9200	-406.19	-18.6600	-324.21	-17.7900
NYSE Arca, Inc. (ARCA)	4.52	0.00	1.36	1.72	1.43	0.00	0.0000	-2,378.30	-30.0000	914.12	24.7100	-96.38	-14.7800
CBOE BZX Exchange (BATS)	3.74	0.00	1.66	1.12	0.94	0.00	0.0000	-5,269.76	-29.7800	242.94	20.5300	-222.20	-26.8900
Nasdaq PHLX, LLC (XPHL)	3.20	0.00	0.44	1.66	1.09	0.00	0.0000	-1,501.84	-25.0000	203.58	19.9000	113.19	12.5300

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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.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/us_equities_rate_card_202006.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.xlsx

Nasdaq PHLX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-llrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.xlsx

June 2020

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
0.59	1.12	14.20	49.77	34.89

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)	30.56	0.24	1.59	15.27	13.44	-286.08	-15.0000	-6,631.41	-28.2300	1,565.22	18.9900	-1,558.62	-20.4100
The Nasdaq Stock Market LLC. (XNAS)	17.41	0.47	4.39	8.57	3.96	-153.09	-4.6900	-12,160.25	-28.3200	2,990.47	22.0100	-2,167.57	-20.5100
New York Stock Exchange LLC. (NYSE)	13.38	0.39	1.24	8.33	3.41	-115.21	-1.3600	-5,875.82	-24.1800	2,109.18	15.4600	-484.21	-7.6200
CBOE EDGX Exchange (EDGX)	6.38	0.00	2.00	2.06	2.32	0.00	0.0000	-6,154.48	-26.5200	2,188.72	18.7000	-884.98	-13.3100

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 OMX BX. (BOSE)	6.24	0.00	1.11	2.88	2.23	0.00	0.0000	361.38	11.0000	-2,466.47	-27.9200	-378.44	-13.0200
CBOE EDGA Exchange (EDGA)	6.10	0.00	1.00	2.88	2.21	0.00	0.0000	982.15	17.4500	-2,996.85	-25.8000	-189.52	-6.2400
CBOE BYX Exchange (BATY)	4.85	0.00	0.28	2.69	1.87	0.00	0.0000	407.65	13.4300	-2,370.22	-18.4500	-134.91	-8.0700
Investors Exchange LLC (IEXG)	4.81	0.00	0.57	2.47	1.76	0.00	0.0000	-252.46	-6.0500	-942.93	-7.2400	-64.23	-3.7400
CBOE BZX Exchange (BATS)	4.45	0.00	1.36	1.57	1.50	-5.93	-5.0000	-8,197.71	-29.7400	833.06	17.0900	-1,754.91	-28.8800
Nasdaq PHLX, LLC (XPHL)	3.38	0.00	0.40	1.68	1.29	0.00	0.0000	-1,927.80	-24.7100	860.63	11.7500	-166.16	-4.9100

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

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.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://www.nasdaqtrader.com/Trader.aspx?id=PriceListTrading2>

Information reflecting XNAS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.xlsx

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaqbx.cchwallstreet.com/nasdaqbx/main/bx-incrules/chp_1_1/chp_1_1_3/chp_1_1_3_2

Information reflecting the BOSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.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/us_equities_rate_card_202006.xlsx

Nasdaq PHLX, LLC (XPHL):

XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-lcrules/chp_1_1/

Information reflecting the XPHL's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_equities_rate_card_202006.xlsx

June 2020

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
11.29	0.01	4.08	83.07	12.82

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)
CBOE BZX Options Exchange (BATO)	57.67	0.00	1.99	55.68	0.00	0.00	0.0000	-377,095.95	-57.5600	106,817.45	24.6300	-50.20	-16.88
NASDAQ Options Market LLC (NDOE)	21.47	0.00	0.66	20.81	0.00	0.00	0.0000	-193,703.53	-52.1500	62,051.02	27.7100	-30.85	-8.7100
NYSE Arca, Inc. (PCOE)	6.43	0.00	0.10	3.81	2.51	238.39	2.2000	-46,339.60	-57.3400	66,416.01	26.4300	18,630.22	8.7800
Nasdaq ISE, LLC (ISOE)	4.88	0.00	0.10	0.15	4.61	4,501.65	23.5000	-54,517.38	-39.8100	15,693.57	21.2800	118,642.30	32.4900
CBOE Options Exchange (XCBO)	2.93	0.00	0.16	0.26	2.49	-928.93	-3.7300	-11,707.09	-11.4800	-22,503.69	-13.5100	-19,840.30	-11.7400
NYSE American LLC	2.10	0.00	0.11	0.19	1.78	0.00	0.0000	1,345.10	1.4000	541.16	1.0900	2.52	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
(AMEX)													
Nasdaq PHLX, LLC (PHLX)	1.65	0.00	0.10	0.13	1.40	0.00	0.0000	-18,673.44	-17.7100	-1,230.54	-1.5100	-34.74	-0.0300
MIAX PEARL LLC (MPRL)	0.82	0.00	0.19	0.63	0.00	0.00	0.0000	-85,148.92	-49.7200	5,921.98	10.5800	16.35	6.8100
Nasdaq GEMX, LLC (ISEG)	0.70	0.00	0.20	0.50	0.00	0.00	0.0000	-70,994.32	-52.8200	7,159.42	17.5000	43.40	19.2000
CBOE C2 Options Exchange, Inc. (C2OX)	0.34	0.00	0.04	0.29	0.00	0.00	0.0000	-41,603.68	-45.6600	-19,114.40	-30.4900	-40.39	-25.5600

Material Aspects:

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/us_options_rate_card_202006.xlsx

NASDAQ Options Market LLC (NDOE):

NDOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: http://nasdaq.cchwallstreet.com/nasdaq/main/nasdaq-llrules/chp_1_1/chp_1_1_3/chp_1_1_3_3/default.asp

Information reflecting the NDOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.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: http://ise.cchwallstreet.com/contents/ise/ise-rules/chp_1_1/chp_1_1_22/default.asp

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.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/

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.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 "preferred" 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/us_options_rate_card_202006.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:
http://nasdaqomxphlx.cchwallstreet.com/nasdaqphlx/phlx/phlx-lcrules/chp_1_1/chp_1_1_3/

Information reflecting the PHLX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.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 MPRLs tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.xlsx

Nasdaq GEMX, LLC (ISEG):

ISEG has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
http://nasdaqgemx.cchwallstreet.com/contents/gemx/nasdaq-gemx-rules/chp_1_1/chp_1_1_2/

Information reflecting the ISEG's tiered pricing/payment schedule, as applicable to GSCO, can be found at : https://www.goldmansachs.com/compliance/Rule606/us_options_rate_card_202006.xlsx