

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

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4th Quarter, 2021

October 2021

## 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
0.05	1.44	13.72	46.55	38.28

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
New York Stock Exchange LLC. (NYSE)	35.58	0.67	1.30	18.16	15.43	-31.90	-2.7200	-846.82	-19.3100	168.47	13.9600	-77.91	-6.8200
The Nasdaq Stock Market LLC. (XNAS)	28.71	0.75	3.45	13.84	10.66	-28.44	-6.2900	-1,536.85	-28.1900	293.60	21.5600	-111.65	-11.4100
NASDAQ OMX BX. (BOSE)	7.35	0.00	3.15	1.96	2.22	0.00	0.0000	11.07	2.5600	-417.55	-29.9600	-23.61	-11.1800
CBOE EDGA Exchange (EDGA)	5.06	0.00	1.04	2.28	1.72	0.00	0.0000	164.63	18.6200	-486.61	-29.6600	-260.89	-23.9600
Investors Exchange LLC (IEXG)	5.02	0.00	1.27	1.86	1.88	0.00	0.0000	-122.31	-7.1300	-4.26	-0.2400	-12.12	-0.6200
CBOE BZX Exchange (BATS)	4.04	0.00	1.51	1.26	1.26	0.00	0.0000	-2,606.87	-29.5500	124.59	12.1300	-59.21	-6.5200
Nasdaq PHLX, LLC (XPHL)	3.54	0.00	0.62	1.74	1.17	0.00	0.0000	-276.93	-25.0000	239.13	19.5500	18.79	5.2600
CBOE BYX Exchange (BATY)	3.49	0.00	0.15	1.93	1.39	0.00	0.0000	30.98	10.0500	-149.58	-18.6400	-24.28	-15.2000
NYSE Arca, Inc. (ARCA)	2.89	0.00	0.60	1.29	0.99	0.00	0.0000	-542.47	-30.0000	100.43	24.2800	391.41	26.1700
CBOE EDGX Exchange (EDGX)	2.71	0.00	0.45	1.30	0.96	0.00	0.0000	-821.96	-30.0000	268.40	12.1900	93.67	10.5900

**Material Aspects:**

New York Stock Exchange LLC. (NYSE):

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

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

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE BZX Exchange (BATS):

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[https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

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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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE BYX Exchange (BATY):

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

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

NYSE Arca, Inc. (ARCA):

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

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

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## October 2021

### 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
0.07	3.95	13.83	43.31	38.90

#### 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)	25.18	1.82	1.24	12.02	10.08	-117.51	-2.7200	-2,049.32	-23.3300	1,495.31	14.2300	-168.62	-6.6200
The Nasdaq Stock Market LLC. (XNAS)	22.71	1.58	3.76	9.45	7.90	-129.38	-7.5400	-4,863.10	-25.8200	1,405.36	11.6700	-1,294.25	-24.4600
NYSE Arca, Inc. (ARCA)	13.13	0.39	0.72	6.11	5.90	-624.55	-15.0000	-2,302.97	-27.0900	625.59	18.9100	-423.90	-13.1700
NASDAQ OMX BX. (BOSE)	8.00	0.00	2.71	2.22	3.06	0.00	0.0000	23.52	0.7000	-1,349.68	-29.8800	-203.35	-12.6700
CBOE EDGA Exchange (EDGA)	6.01	0.00	1.10	2.52	2.38	0.00	0.0000	783.38	15.8000	-1,851.91	-29.2600	-840.19	-17.3300
CBOE BZX Exchange (BATS)	5.68	0.04	1.57	1.93	2.14	-123.17	-5.0000	-10,604.91	-29.5800	-213.34	-3.6000	-2,319.88	-26.9100
Investors Exchange LLC (IEXG)	5.42	0.00	0.93	2.45	2.03	0.00	0.0000	-231.68	-6.8300	-11.23	-0.1500	-57.54	-2.7000
CBOE BYX Exchange (BATY)	3.93	0.00	0.16	2.14	1.62	0.00	0.0000	258.04	14.7600	-1,570.17	-19.8500	-42.22	-5.0500
CBOE EDGX Exchange (EDGX)	3.81	0.00	0.78	1.67	1.35	0.00	0.0000	-2,902.72	-29.9700	495.47	12.7700	-291.86	-13.6100
Nasdaq PHLX, LLC (XPHL)	3.70	0.00	0.66	1.57	1.46	0.00	0.0000	-2,448.87	-25.0000	374.80	19.0100	-467.99	-22.6400

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The Nasdaq Stock Market LLC. (XNAS):

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

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NYSE Arca, Inc. (ARCA):

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[https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

NASDAQ OMX BX. (BOSE):

BOSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:  
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CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE BZX Exchange (BATS):

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

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

CBOE BYX Exchange (BATY):

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

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CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202110.xlsx)

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## October 2021

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### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.23	0.31	7.28	51.32	41.07

## 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)	30.43	0.00	2.29	28.14	0.00	0.00	0.0000	-225,189.70	-53.9100	108,023.08	25.0800	-537.90	-43.0300
Nasdaq ISE, LLC (ISOE)	14.00	0.04	0.23	0.36	13.35	12,911.75	18.5900	-27,365.62	-37.2600	15,125.49	18.9100	36,891.15	22.2100
NASDAQ Options Market LLC (NDOE)	12.71	0.00	0.61	12.10	0.00	0.00	0.0000	-147,090.40	-52.2000	39,130.24	31.3600	29.27	17.8400
NYSE Arca, Inc. (PCOE)	10.00	0.03	0.27	3.43	6.25	-6,139.57	-13.7300	-44,714.52	-60.2200	21,482.14	15.5100	-10,481.89	-8.6500
CBOE Options Exchange (XCBO)	8.88	0.12	0.69	1.23	6.83	-8,528.28	-22.4900	-56,465.40	-27.4300	-91,797.66	-38.6700	-20,318.40	-20.1000
NASDAQ BX Options (NBXO)	3.96	0.00	0.44	3.52	0.00	0.00	0.0000	-48,206.93	-36.4600	26,882.91	43.8100	39.33	37.1000
NASDAQ BX Options (XBOX)	3.83	0.02	0.78	0.19	2.82	5,907.80	36.9300	31,311.60	25.4900	-1,096.95	-2.1900	10,753.04	53.9200
NYSE American LLC (AMEX)	3.72	0.02	0.23	0.19	3.27	-251.00	-1.8700	144.15	0.1700	-663.20	-1.8900	-2,222.17	-4.8100
Nasdaq PHLX, LLC (PHLX)	3.61	0.02	0.21	0.19	3.18	-1,781.40	-4.8500	-7,612.13	-8.1200	-2,092.63	-4.1200	-9,619.38	-12.3800
CBOE EDGO Exchange (EDGO)	3.17	0.02	0.38	0.18	2.58	3,451.42	49.0200	-2,021.60	-1.9300	-1,357.63	-4.6500	7,952.96	38.7100

## 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/](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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.xlsx)

Nasdaq ISE, LLC (ISOE):

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

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

Information reflecting the ISOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.xlsx)

NYSE Arca, Inc . (PCOE):

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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.xlsx)

CBOE Options Exchange (XCBO):

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

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

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.xlsx)

NYSE American LLC (AMEX):

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

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

Information reflecting the AMEX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.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/](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\\_202110.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202110.xlsx)

## November 2021

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## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.05	1.69	21.71	42.90	33.68

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
New York Stock Exchange LLC. (NYSE)	32.81	0.73	1.82	16.61	13.63	-31.42	-2.2400	-1,201.94	-27.8100	243.99	17.8700	-43.98	-12.7300
The Nasdaq Stock Market LLC. (XNAS)	27.28	0.95	5.67	11.96	8.68	-47.52	-4.6900	-2,238.27	-27.2700	1,118.88	27.4400	-280.34	-6.8400
NASDAQ OMX BX. (BOSE)	9.23	0.00	5.63	1.56	2.03	0.00	0.0000	-14.96	-2.1600	-1,089.80	-29.9900	-23.04	-13.8900
Investors Exchange LLC (IEXG)	5.58	0.00	2.04	1.87	1.65	0.00	0.0000	-162.19	-7.2400	-0.53	0.0000	-12.06	-0.8000
CBOE EDGA Exchange (EDGA)	5.18	0.00	1.49	2.12	1.56	0.00	0.0000	238.28	20.2700	-532.85	-29.9500	-23.30	-7.1500
CBOE BZX Exchange (BATS)	4.52	0.00	2.27	1.12	1.12	0.00	0.0000	-3,314.32	-29.3200	116.95	20.8300	106.87	5.6600
Nasdaq PHLX, LLC (XPHL)	4.15	0.00	0.77	2.14	1.22	0.00	0.0000	-252.12	-25.0000	311.80	19.9700	-25.64	-16.4000
CBOE BYX Exchange (BATY)	3.17	0.00	0.18	1.86	1.12	0.00	0.0000	36.61	14.6000	-490.02	-19.9500	-71.30	-19.1200
NYSE Arca, Inc. (ARCA)	3.12	0.00	0.85	1.31	0.95	0.00	0.0000	-965.93	-29.6600	425.96	28.4700	-16.74	-12.5800
CBOE EDGX Exchange (EDGX)	3.08	0.00	0.78	1.34	0.95	0.00	0.0000	-1,184.42	-30.0000	201.29	15.8000	43.10	7.1400

### Material Aspects:

New York Stock Exchange LLC. (NYSE):

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

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

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE BZX Exchange (BATS):

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

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE BYX Exchange (BATY):

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

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

NYSE Arca, Inc. (ARCA):

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

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

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## November 2021

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### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.05	2.73	17.89	42.06	37.29



## Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
The Nasdaq Stock Market LLC. (XNAS)	23.68	1.22	4.92	9.77	7.76	-188.40	-6.1400	-6,440.58	-24.6800	2,144.06	15.2000	-814.83	-15.7700
New York Stock Exchange LLC. (NYSE)	21.69	1.01	1.86	10.40	8.40	-73.56	-2.2500	-2,914.24	-22.8200	1,122.34	10.7000	-217.25	-9.3700
NYSE Arca, Inc. (ARCA)	13.52	0.41	1.14	6.07	5.89	-148.43	-15.0000	-1,527.11	-11.6800	1,059.31	23.8700	20.00	0.6600
NASDAQ OMX BX. (BOSE)	8.46	0.00	3.39	2.09	2.97	0.00	0.0000	133.60	3.3900	-1,983.68	-29.9600	-225.31	-12.9900
CBOE EDGA Exchange (EDGA)	6.07	0.00	1.23	2.47	2.37	0.00	0.0000	914.66	14.1500	-2,155.06	-29.5200	-276.23	-9.0900
CBOE BZX Exchange (BATS)	6.03	0.01	2.05	1.75	2.20	-7.91	-7.5000	-14,633.50	-29.5800	745.96	12.8900	-2,046.22	-26.8900
Investors Exchange LLC (IEXG)	5.92	0.00	1.13	2.52	2.25	0.00	0.0000	-389.07	-7.7400	-19.65	-0.2700	-59.98	-3.4900
Nasdaq PHLX, LLC (XPHL)	4.08	0.00	0.77	1.79	1.51	0.00	0.0000	-2,452.03	-21.2700	1,056.34	19.5200	-427.34	-18.1400
CBOE BYX Exchange (BATY)	3.95	0.00	0.16	2.25	1.53	0.00	0.0000	235.21	10.2500	-1,414.34	-19.9200	-143.00	-12.3300
CBOE EDGX Exchange (EDGX)	3.90	0.00	1.00	1.63	1.26	0.00	0.0000	-3,353.76	-29.7000	514.66	12.5500	-326.48	-20.9400

### 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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

New York Stock Exchange LLC. (NYSE):

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

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

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

NYSE Arca, Inc. (ARCA):

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

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE BZX Exchange (BATS):

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

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE BYX Exchange (BATY):

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

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202111.xlsx)

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## November 2021

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### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.75	0.20	3.49	25.11	71.18

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Marketable Limit 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 ISE, LLC (ISOE)	33.33	0.04	0.11	0.17	32.99	27,401.73	23.2300	-26,164.64	-38.4200	12,437.79	13.1700	42,744.25	24.9600
NYSE Arca,	15.00	0.02	0.21	1.53	13.22	-8,274.25	-10.7000	-51,636.70	-59.9100	22,224.96	14.4700	-5,787.88	-5.2800

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)
Inc . (PCOE)													
CBOE BZX Options Exchange (BATO)	14.28	0.00	1.06	13.22	0.00	0.00	0.0000	-261,594.05	-58.6600	133,599.75	27.6400	0.00	0.0000
CBOE Options Exchange (XCBO)	13.65	0.06	0.37	0.58	12.63	-9,540.41	-15.3300	-75,901.31	-33.4300	-91,238.12	-39.2300	-37,399.76	-25.2400
NASDAQ Options Market LLC (NDOE)	6.98	0.00	0.33	6.65	0.00	0.00	0.0000	-152,667.35	-51.3700	37,882.42	29.8500	0.00	0.0000
MIAX Securities Exchange, LLC (MIAX)	3.41	0.01	0.08	0.09	3.21	14.14	0.0500	-2,307.51	-5.0200	-1,495.21	-4.2000	-2,309.65	-4.9300
Nasdaq PHLX, LLC (PHLX)	3.31	0.01	0.12	0.10	3.07	-87.70	-0.2300	-8,184.65	-8.2900	-2,179.78	-4.3400	-5,108.70	-5.5100
CBOE EDGO Exchange (EDGO)	2.96	0.01	0.13	0.10	2.71	7,317.12	47.0000	-1,887.36	-2.0600	-1,515.80	-4.2600	10,640.68	46.0200
NASDAQ BX Options (XBOX)	2.32	0.01	0.35	0.10	1.84	8,294.50	64.5000	30,990.70	24.5200	-811.65	-1.6900	16,214.34	58.6200
NASDAQ BX Options (NBXO)	1.74	0.00	0.20	1.54	0.00	0.00	0.0000	-48,796.03	-38.2500	29,952.66	44.3900	0.00	0.0000

#### Material Aspects:

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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx)

NYSE Arca, Inc . (PCOE):

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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx)

CBOE BZX Options Exchange (BATO):

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

Information reflecting the BATO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx)

CBOE Options Exchange (XCBO):

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

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

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx)

MIAX Securities Exchange, LLC (MIAX):

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

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

Information reflecting the MIAX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.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/](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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.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\\_202111.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx)

## December 2021

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### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.19	0.51	7.71	45.98	45.78

## 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)	27.87	0.21	0.68	18.51	8.46	-30.54	-1.9400	-1,265.15	-26.5700	571.62	16.2500	-102.73	-4.7600
SGMT (SGMT)	15.25	0.00	0.00	0.46	14.78	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
The Nasdaq Stock Market LLC. (XNAS)	15.12	0.22	1.97	7.28	5.64	-28.32	-3.6400	-2,166.19	-29.1800	502.02	25.3900	-191.94	-4.9900
CBOE BZX Exchange (BATS)	6.53	0.00	0.71	4.15	1.67	0.00	0.0000	-3,509.15	-29.3100	349.28	19.3400	89.23	2.2300
Investors Exchange LLC (IEXG)	5.08	0.00	0.96	1.04	3.07	0.00	0.0000	-171.86	-6.6900	-0.46	-0.0100	-23.27	-0.6200
NYSE Arca, Inc. (ARCA)	4.97	0.00	0.20	3.68	1.08	0.00	0.0000	-607.15	-30.0000	318.35	28.7400	256.49	18.7400
CBOE EDGX Exchange (EDGX)	4.84	0.00	0.19	3.33	1.30	0.00	0.0000	-998.13	-30.0000	588.62	15.9400	-73.40	-9.0200
CBOE EDGA Exchange (EDGA)	4.13	0.00	0.43	2.75	0.94	0.00	0.0000	228.03	19.5000	-1,249.07	-29.9500	-559.08	-25.2100
NASDAQ OMX BX. (BOSE)	3.79	0.00	2.21	0.78	0.79	0.00	0.0000	14.33	2.4100	-701.20	-29.9900	-92.65	-20.3600
Nasdaq PHLX, LLC (XPHL)	2.37	0.00	0.22	1.53	0.61	0.00	0.0000	-459.21	-30.0000	415.89	20.0000	150.48	11.6100

### Material Aspects:

New York Stock Exchange LLC. (NYSE):

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

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:

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

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:

[https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

NYSE Arca, Inc. (ARCA):

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

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

## December 2021

### 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
0.13	0.65	10.44	46.85	42.05

#### 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)	24.00	0.26	0.94	14.30	8.47	-97.26	-1.9400	-3,180.85	-24.1800	920.06	13.0200	-302.78	-17.7600
The Nasdaq Stock Market LLC. (XNAS)	14.09	0.22	2.71	6.34	4.80	-274.10	-4.6800	-6,961.06	-26.9700	2,609.47	21.2700	-972.25	-17.4900
SGMT (SGMT)	11.48	0.00	0.00	0.64	10.83	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	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)
NYSE Arca, Inc. (ARCA)	9.40	0.08	0.44	5.67	3.18	-225.21	-15.0000	-2,197.65	-29.2900	576.91	19.8900	-342.04	-8.6300
CBOE BZX Exchange (BATS)	5.69	0.00	1.09	2.79	1.79	-5.11	-7.5000	-15,522.61	-29.4300	397.68	8.6700	-2,434.47	-21.9500
NASDAQ OMX BX. (BOSE)	5.28	0.00	2.55	1.24	1.48	0.00	0.0000	2.62	0.0500	-2,197.75	-29.9300	-257.52	-11.8300
Investors Exchange LLC (IEXG)	4.74	0.00	1.02	1.72	2.00	0.00	0.0000	-647.28	-8.3400	-18.47	-0.4400	-72.02	-3.5400
CBOE BYX Exchange (BATY)	4.62	0.00	0.08	3.10	1.44	0.00	0.0000	303.80	13.5400	-838.09	-19.4300	-92.47	-8.8200
CBOE EDGA Exchange (EDGA)	4.00	0.00	0.71	1.81	1.47	0.00	0.0000	1,082.96	15.7800	-1,786.50	-29.3200	204.87	9.6300
CBOE EDGX Exchange (EDGX)	3.89	0.00	0.38	2.19	1.32	0.00	0.0000	-3,749.55	-29.6900	310.88	11.8700	-497.41	-21.4100

#### Material Aspects:

New York Stock Exchange LLC. (NYSE):

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

NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:

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

Information reflecting the NYSE's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

NYSE Arca, Inc. (ARCA):

ARCA has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:

[https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE\\_Arca\\_Marketplace\\_Fees.pdf](https://www.nyse.com/publicdocs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf)

Information reflecting ARCA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE BZX Exchange (BATS):

BATS has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:

[https://markets.cboe.com/us/equities/membership/fee\\_schedule/bzx/](https://markets.cboe.com/us/equities/membership/fee_schedule/bzx/)

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE BYX Exchange (BATY):

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

Information reflecting the BATY's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE EDGA Exchange (EDGA):

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

Information reflecting the EDGA's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

CBOE EDGX Exchange (EDGX):

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

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_equities\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx)

## December 2021

### 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
0.70	0.19	4.66	37.27	57.87

#### 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)	24.87	0.01	0.19	3.20	21.44	-14.06	-0.0400	-46,241.47	-56.3500	18,545.17	13.7200	4,834.53	5.6800
CBOE BZX Options Exchange (BATO)	19.13	0.00	1.44	17.68	0.00	0.00	0.0000	-200,907.20	-58.3900	99,788.25	25.5300	-1,804.60	-54.4000
Nasdaq ISE, LLC (ISOE)	18.75	0.03	0.19	0.19	18.33	10,066.32	12.7000	-23,789.80	-39.0400	9,281.41	10.7700	26,166.56	20.3100
NASDAQ Options Market LLC (NDOE)	11.30	0.00	0.44	10.86	0.00	0.00	0.0000	-131,994.58	-51.3300	32,325.70	28.1600	-686.46	-38.7600
CBOE Options Exchange (XCBO)	6.20	0.08	0.38	0.53	5.19	-28,260.88	-32.5600	-34,097.90	-22.9400	-42,663.34	-21.4900	-9,726.64	-11.2300
Nasdaq PHLX, LLC (PHLX)	3.35	0.01	0.14	0.13	3.06	-99.26	-0.3700	-5,046.60	-7.2100	-2,375.47	-2.6500	-5,832.65	-8.6200
NASDAQ BX Options (NBXO)	3.34	0.00	0.32	3.02	0.00	0.00	0.0000	-46,962.62	-37.6800	28,770.67	42.4000	-74.42	-39.1600



Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
MIAX Securities Exchange, LLC (MIAX)	3.26	0.00	0.11	0.12	3.01	-129.39	-0.8600	-2,021.04	-6.0400	-1,261.49	-3.8600	-5,495.59	-11.8400
CBOE EDGO Exchange (EDGO)	2.91	0.01	0.21	0.13	2.56	4,058.73	23.2700	-1,554.26	-1.8000	-1,616.27	-4.8100	7,154.86	29.1500
NYSE American LLC (AMEX)	2.80	0.01	0.16	0.13	2.49	-110.51	-0.6500	-1,055.31	-1.7500	-1,702.13	-3.8400	-3,603.36	-9.9100

### 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](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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx)

CBOE BZX Options Exchange (BATO):

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

Information reflecting the BATO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx)

CBOE Options Exchange (XCBO):

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

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

Information reflecting the XCBO's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx)

MIAX Securities Exchange, LLC (MIAX):

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

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

Information reflecting the MIAX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.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/](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\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx)

NYSE American LLC (AMEX):

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

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

Information reflecting the AMEX's tiered pricing/payment schedule, as applicable to GSCO, can be found at : [https://www.goldmansachs.com/compliance-rule606/docs/us\\_options\\_rate\\_card\\_202112.xlsx](https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx)