# 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

<table>
<thead>
<tr>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.05</td>
<td>1.44</td>
<td>13.72</td>
<td>46.55</td>
<td>38.28</td>
</tr>
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</table>

#### Venues

<table>
<thead>
<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tbody>
<tr>
<td>New York Stock Exchange LLC. (NYSE)</td>
<td>35.58</td>
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<td>1.30</td>
<td>18.16</td>
<td>15.43</td>
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<td>-19.3100</td>
<td>168.47</td>
<td>13.9600</td>
<td>-77.91</td>
<td>-6.8200</td>
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<tr>
<td>NASDAQ OMX BX. (BOSE)</td>
<td>7.35</td>
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<td>3.15</td>
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<td>10.5900</td>
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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:

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

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:

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

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:

Information reflecting the EDGAs 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

CBOE BZX Exchange (BATX):

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

Information reflecting the BATX'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

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

CBOE BYX Exchange (BATY):

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

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## Non-S&P 500 Stocks

### Summary

<table>
<thead>
<tr>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
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<tbody>
<tr>
<td>0.07</td>
<td>3.95</td>
<td>13.83</td>
<td>43.31</td>
<td>38.90</td>
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</table>

### Venues

<table>
<thead>
<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tbody>
<tr>
<td>New York Stock Exchange LLC. (NYSE)</td>
<td>25.18</td>
<td>1.82</td>
<td>1.24</td>
<td>12.02</td>
<td>10.08</td>
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<td>NYSE Arca, Inc. (ARCA)</td>
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<td>-15.0000</td>
<td>-2,302.97</td>
<td>-27.0900</td>
<td>625.59</td>
<td>18.9100</td>
</tr>
<tr>
<td>NASDAQ OMX BX. (BOSE)</td>
<td>8.00</td>
<td>0.00</td>
<td>2.71</td>
<td>2.22</td>
<td>3.06</td>
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<td>23.52</td>
<td>0.7000</td>
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<td>CBOE EDGA Exchange (EDGA)</td>
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<td>CBOE BZX Exchange (BATS)</td>
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<td>1.93</td>
<td>2.14</td>
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<td>Investors Exchange LLC (IXG)</td>
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<td>CBOE BYX Exchange (BATY)</td>
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<td>1.62</td>
<td>0.00</td>
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<tr>
<td>CBOE EDGX Exchange (EDGX)</td>
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<td>1.67</td>
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<td>-29.9700</td>
<td>495.47</td>
<td>12.7700</td>
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<tr>
<td>Nasdaq PHLX, LLC (XPHL)</td>
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<td>-25.0000</td>
<td>374.80</td>
<td>19.0100</td>
<td>-467.99</td>
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</tbody>
</table>

### 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.

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The Nasdaq Stock Market LLC (NASDAQ):

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https://listingcenter.nasdaq.com/rulebook/nasdaq/rules/nasdaq-equity-

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NASDAQ OMX BX (BOSE):

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https://listingcenter.nasdaq.com/rulebook/bx/rules/bx-equity-

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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/edge-

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

CBOE BZX Exchange (BATX):

BATX 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 BATX'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

CBOE BYX Exchange (BAYX):

BAYX 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 BAYX'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

CBOE EDGX Exchange (EDGX):

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October 2021

Options

Summary
<table>
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<tr>
<th>Venues</th>
<th>Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
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<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
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<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tbody>
<tr>
<td>CBOE BZX Options Exchange (BATO)</td>
<td>30.43</td>
<td>0.00</td>
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<td>NYSE Arca, Inc. (PCOE)</td>
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<td>NASDAQ BX Options (XBOX)</td>
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<td>31,311.60</td>
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<td>NYSE American LLC (AMEX)</td>
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<td>Nasdaq PHXL LLC (PHLX)</td>
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<tr>
<td>CBOE EDGO Exchange (EDGO)</td>
<td>3.17</td>
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<td>2.58</td>
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<td>-1,9300</td>
<td>-1,357.63</td>
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<td>7,952.96</td>
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</tbody>
</table>

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

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

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-

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
November 2021

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-

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

NYSE Arca, Inc. (PCOE):

PCOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

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

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

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-

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

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

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:

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

Nasdaq PHXL, LLC (PHXL):

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.

PHXL 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-

Information reflecting the PHXL'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

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:

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
S&P 500 Stocks

Summary

<table>
<thead>
<tr>
<th>Venues</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
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<td>CBOE EDGA Exchange (EDGA)</td>
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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:

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

The Nasdaq Stock Market LLC. (NASDAQ):

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:
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

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

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

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

Nasdaq PHXL, LLC (XPHL):
XPHL has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
https://listingcenter.nasdaq.com/rulebook/px/srules/px-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

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

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

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

November 2021

Non-S&P 500 Stocks

<table>
<thead>
<tr>
<th>Summary</th>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
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<tr>
<td></td>
<td>0.05</td>
<td>2.73</td>
<td>17.89</td>
<td>42.06</td>
<td>37.29</td>
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</table>


Venues

<table>
<thead>
<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tbody>
<tr>
<td>New York Stock Exchange LLC. (NYSE)</td>
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<td>10.40</td>
<td>8.40</td>
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<td>NYSE Arca, Inc. (ARCA)</td>
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<tr>
<td>NASDAQ OMX BX (BOSE)</td>
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<td>CBOE EDGA Exchange (EDGA)</td>
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<td>CBOE BZX Exchange (BATS)</td>
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<td>Nasdaq Phil.X, LLC (PHXL)</td>
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<tr>
<td>CBOE BYX Exchange (BATY)</td>
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<td>-3,353.76</td>
<td>-29,7000</td>
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</table>

Material Aspects:
The Nasdaq Stock Market LLC. (NASDAQ):
The Firm is a Market Maker on NASDAQ 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.

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

Information reflecting NASDAQ’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

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:

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

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

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

Nasdaq PHXL, 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

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

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**November 2021**

**Options**

**Summary**

<table>
<thead>
<tr>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
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**Venues**

<table>
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<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tr>
<td>Nasdaq ISE, LLC (ISE)</td>
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<td>Market Orders (%)</td>
<td>Marketable Limit Orders (%)</td>
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<td>Net Payment Paid/Received for Market Orders(USD)</td>
<td>Net Payment Paid/Received for Market Orders(cents per hundred shares)</td>
<td>Net Payment Paid/Received for Marketable Limit Orders(USD)</td>
<td>Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)</td>
<td>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</td>
<td>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</td>
</tr>
<tr>
<td>-------</td>
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<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Inc. (PCOE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CBOE BZX Options Exchange (BATO)</td>
<td>14.28</td>
<td>0.00</td>
<td>1.06</td>
<td>13.22</td>
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**Material Aspects:**

Nasdaq ISE, LLC (ISE):

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.

ISE 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/

Information reflecting the ISE's tiered pricing/payment schedule, as applicable to GSCO, may be found at: 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

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, may be found at: 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/

Information reflecting the BATO's tiered pricing/payment schedule, as applicable to GSCO, may be found at: https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202111.xlsx

CBOE Options Exchange (XBO):

Pursuant to an exchange-sponsored marketing fee program, registered market-makers may receive payments from the exchange as a result of their designation as a "preferenced" market-maker by an exchange member. With respect to such exchange program, the Firm may receive payments from "preferenced" registered market makers for options orders the Firm sends to the exchange.
XCBO has a tiered pricing/payment schedule. For detailed information, please see the exchange’s public website: https://markets.cboe.com/us/options/membership/fee_schedule/xcbo/

Information reflecting the XCBO’s tiered pricing/payment schedule, as applicable to GSCO, can be found at: https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_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

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 “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.

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

Nasdaq PHXL, 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 “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.

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

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 “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.

EDGO has a tiered pricing/payment schedule. For detailed information, please see the exchange’s public website: https://markets.cboe.com/us/options/membership/fee_schedule/edgo/

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

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

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**December 2021**

**S&P 500 Stocks**

**Summary**

<table>
<thead>
<tr>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.19</td>
<td>0.51</td>
<td>7.71</td>
<td>45.98</td>
<td>45.78</td>
</tr>
</tbody>
</table>
### Venues

<table>
<thead>
<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York Stock Exchange LLC. (NYSE)</td>
<td>27.87</td>
<td>0.21</td>
<td>18.51</td>
<td>8.46</td>
<td>-30.54</td>
<td>-1.9400</td>
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<td>SGMT (SGMT)</td>
<td>15.25</td>
<td>0.00</td>
<td>0.46</td>
<td>14.78</td>
<td>0.00</td>
<td>0.0000</td>
</tr>
<tr>
<td>The Nasdaq Stock Market LLC. (XNAS)</td>
<td>15.12</td>
<td>0.22</td>
<td>7.28</td>
<td>5.64</td>
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<tr>
<td>CBOE BZX Exchange (BATS)</td>
<td>6.53</td>
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<td>4.15</td>
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<td>Investors Exchange LLC (VEST)</td>
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<td>NYSE Arca, Inc. (ARCA)</td>
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<td>3.68</td>
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<td>CBOE EDGX Exchange (EDGX)</td>
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<tr>
<td>CBOE EDGA Exchange (EDGA)</td>
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<td>0.00</td>
<td>14.33</td>
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<tr>
<td>Nasdaq PHLX, LLC (XPHL)</td>
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<td>1.53</td>
<td>0.61</td>
<td>0.00</td>
<td>-459.21</td>
</tr>
</tbody>
</table>

### Material Aspects:

**New York Stock Exchange LLC. (NYSE):**

The Firm is a Market Maker and Supplemental Liquidity Market Maker in equities on the NYSE. Accordingly, the Firm may share directly in any profits generated from the execution of client orders by the Firm on the exchange, including those that are routed to the exchange. NYSE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website: https://www.nyse.com/publicdocs/nyse/markets/nyse/NYSE_Price_List.pdf

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

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

**CBOE BZX Exchange (BATS):**

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

Information reflecting the BATS's tiered pricing/payment schedule, as applicable to GSCO, can be found at: https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx
NYSE Arca, Inc. (ARCA):

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

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

CBOE EDGX Exchange (EDGX):

EDGX has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
https://markets.cboe.com/us/-equities/membership/fee_schedule/edgx/

Information reflecting the EDGX's tiered pricing/payment schedule, as applicable to GSCO, can be found at: https://www.goldmansachs.com/compliance-rule606/docs/us_equities_rate_card_202112.xlsx

CBOE EDGA Exchange (EDGA):

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

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

NASDAQ OMX BX. (BOSE):

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

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

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/rulebooks/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

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December 2021

Non-S&P 500 Stocks

<table>
<thead>
<tr>
<th>Summary</th>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
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<td>0.12</td>
<td>0.65</td>
<td>10.44</td>
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<table>
<thead>
<tr>
<th>Venues</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Market Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Other Orders(USD)</th>
<th>Net Payment Paid/Received for Other Orders(cents per hundred shares)</th>
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<tr>
<td>New York Stock Exchange LLC. (NYSE)</td>
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<td>The Nasdaq Stock Market LLC. (XNAS)</td>
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<td>0.00</td>
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<tr>
<td>Venue - Non-directed Order Flow</td>
<td>Non-Directed Orders (%)</td>
<td>Market Orders (%)</td>
<td>Marketable Limit Orders (%)</td>
<td>Non-Marketable Limit Orders (%)</td>
<td>Other Orders (%)</td>
<td>Net Payment Paid/Received for Market Orders(USD)</td>
<td>Net Payment Paid/Received for Market Orders(cents per hundred shares)</td>
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<td>Net Payment Paid/Received for Market Orders(cents per hundred shares)</td>
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<td>NYSE Arca, Inc. (ARCA)</td>
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<td>CBOE BZX Exchange (BATS)</td>
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<td>0.0000</td>
<td>303.80</td>
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<td>CBOE EDGA Exchange (EDGA)</td>
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<td>0.71</td>
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<td>1.47</td>
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<td>-3,749.55</td>
<td>-29,690.00</td>
<td>310.88</td>
<td>11,870.00</td>
</tr>
</tbody>
</table>

**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/public/docs/nyse/markets/nyse/NYSE_Price_List.pdf](https://www.nyse.com/public/docs/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. (NASDAQ):

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](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/public/docs/nyse/markets/nyse-arca/NYSE_Arca_Marketplace_Fees.pdf](https://www.nyse.com/public/docs/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](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:

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

CBOE EDGA Exchange (EDGA):

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

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

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/edge/

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

December 2021

Options

<table>
<thead>
<tr>
<th>Summary</th>
<th>Non-Directed Orders as % of All Orders</th>
<th>Market Orders as % of Non-Directed Orders</th>
<th>Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Non-Marketable Limit Orders as % of Non-Directed Orders</th>
<th>Other Orders as % of Non-Directed Orders</th>
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<tr>
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Venues

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<tr>
<th>Venue - Non-directed Order Flow</th>
<th>Non-Directed Orders (%)</th>
<th>Market Orders (%)</th>
<th>Marketable Limit Orders (%)</th>
<th>Non-Marketable Limit Orders (%)</th>
<th>Other Orders (%)</th>
<th>Net Payment Paid/Received for Market Orders(USD)</th>
<th>Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(USD)</th>
<th>Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)</th>
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<tbody>
<tr>
<td>NYSE Arca, Inc. (PCOE)</td>
<td>24.87</td>
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<td>Venue - Material Aspects:</td>
<td>CBOE</td>
<td>Nasdaq</td>
<td>NYSE Arca</td>
<td>PHLX</td>
<td>NASDAQ Non-Directed Order Flow</td>
<td>Non-Directed Orders (%)</td>
<td>Market Orders (%)</td>
<td>Marketable Limit Orders (%)</td>
<td>Non-Marketable Limit Orders (%)</td>
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Material Aspects:

NYSE Arca, Inc. (PCOE):

PCOE has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

Information reflecting the PCOE's tiered pricing/payment schedule, as applicable to GSCO, can be found at: https://www.goldmansachs.com/compliance-rule606/docs/us_options_rate_card_202112.xlsx

CBOE BZX Options Exchange (BATO):

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

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

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-

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

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-

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

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:

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

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/phlx-equity-

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
NASDQ BX Options (NBXO):
NBXO has a tiered pricing/payment schedule. For detailed information, please see the exchange's public website:
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

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.

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

CBOE EDGX 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:
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

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:
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