CANT - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2024

January 2024

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
0.00	0.00	0.00	0.00	0.00

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	Net Payment Paid/Received for Marketable Limit	Net Payment Paid/ Received for Marketable Limit Orders(cents per	Net Payment Paid/Received for Non- Marketable Limit	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per
	(%)			(%)		Olders(OSD)	hundred shares)	Orders(USD)	hundred shares)	Orders(USD)	hundred shares)	Orders(OSD)	hundred shares)

Material Aspects:

January 2024

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
ĺ	0.00	0.00	0.00	0.00	0.00

Venues

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	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	Net Payment Paid/Received for Market	Net Payment Paid/Received for Marketable	Net Payment Paid/ Received for Marketable Limit	Net Payment Paid/Received for Non-	Net Payment Paid/ Received for Non- Marketable Limit	Net Payment Paid/Received for Other	Net Payment Paid/Received for Other
		(%)			(%)		Orders(USD)	Orders(cents per hundred shares)	Limit Orders(USD)	Orders(cents per hundred shares)	Marketable Limit Orders(USD)	Orders(cents per hundred shares)	Orders(USD)	Orders(cents per hundred shares)

Material Aspects:

January 2024

Options

Summary

 Ion-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
100.00	0.00	0.00	0.00	100.00

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 Exchange (XCBO)	17.20	0.00	0.00	0.00	17.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-6,470.3525	-9.5326
C2 Options Exchange, Inc. (C2OX)	11.94	0.00	0.00	0.00	11.94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,022.0900	-0.7801
CBOE EDGX (EDGX)	9.71	0.00	0.00	0.00	9.71	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,806.2100	-2.9571
Nasdaq PHLX (XPHO)	7.59	0.00	0.00	0.00	7.59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-5,087.6200	-8.8906
BOX Exchange (XBOX)	7.30	0.00	0.00	0.00	7.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-2,128.7600	-11.4081
MIAX Pearl, LLC (MPRL)	6.90	0.00	0.00	0.00	6.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,198.3800	-1.2424
NYSE ARCA Options (ARCO)	6.53	0.00	0.00	0.00	6.53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,179.1000	-1.2267
Miami Intl Exchange (XMIO)	6.05	0.00	0.00	0.00	6.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,668.3500	-3.7765
NYSE American Options (AMXO)	6.00	0.00	0.00	0.00	6.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,405.6400	-3.7090
ISE Mercury Options (MCRY)	4.64	0.00	0.00	0.00	4.64	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-374.8700	-4.3564
Nasdaq ISE (XISX)	3.90	0.00	0.00	0.00	3.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-784.4400	-3.1034
Cboe BZX Exchange (BATS)	2.28	0.00	0.00	0.00	2.28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	53.3500	0.2353

Material Aspects:

CBOE Exchange (XCBO):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH soverall trading volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchange via WEX and DASH, or will be exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co.is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

C2 Options Exchange, Inc. (C2OX):

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Nasdaq PHLX (XPHO)

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH soverall trading volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co.is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

BOX Exchange (XBOX)

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MIAX Pearl, LLC (MPRL):

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Miami Intl Exchange (XMIO):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH and DASH and DASH are routed in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH are routed in the passed responsible to the execution services provided by WEX and DASH are routed to US listed options exchanges, redits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH are routed to US listed options exchanges, redits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH are routed to US listed options exchanges in the passed through reduce the overall costs of the execution services provided by WEX and DASH are routed to US listed options exchanges for execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution and DASH are routed to US listed option execution and DASH are routed to US listed option execution. WEX and DASH are routed to US listed option execution. WEX and DASH are routed to US listed option execution and DASH are routed to US listed option execution. WEX and DASH are routed to US listed option execution and DASH are routed to US listed option execution and DASH are routed to US listed option execution and DASH are routed

NYSE American Options (AMXO):

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ISE Mercury Options (MCRY):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH soverall trading volumers are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co.is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

Nasdag ISE (XISX):

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Cboe BZX Exchange (BATS):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may receive the overall costs of the execution services provided by WEX and DASH. WEX and DASH may receive an indirect term in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

February 2024

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
ĺ	0.00	0.00	0.00	0.00	0.00

Venues

Venue - Non-directed Order Flow Directed Orders (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	Net Payment Paid/ 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(USD) Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/Received for Other Orders(USD) Net Payment Paid/Received for Other Orders(cents per hundred shares)
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Material Aspects:

February 2024

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
0.00	0.00	0.00	0.00	0.00

Venues

Material Aspects:

February 2024

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	
100.00	0.00	0.00	0.00	100.00	

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 Exchange (XCBO)	15.19	0.00	0.00	0.00	15.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-5,806.5225	-6.6690
C2 Options Exchange, Inc. (C2OX)	9.54	0.00	0.00	0.00	9.54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-956.2200	-0.5347
Nasdaq ISE (XISX)	8.26	0.00	0.00	0.00	8.26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-198.7700	-0.4749
NYSE American Options (AMXO)	7.56	0.00	0.00	0.00	7.56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,002.7200	-2.1230
MIAX Emerald, LLC. (EMLD)	7.52	0.00	0.00	0.00	7.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-123.2200	-0.3273
Nasdaq PHLX (XPHO)	7.32	0.00	0.00	0.00	7.32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,303.4100	-3.4004
CBOE EDGX (EDGX)	6.98	0.00	0.00	0.00	6.98	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	252.8300	0.4148
BOX Exchange (XBOX)	6.72	0.00	0.00	0.00	6.72	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-830.6200	-3.7390
MIAX Pearl, LLC (MPRL)	6.69	0.00	0.00	0.00	6.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,326.6500	-0.9685
Miami Intl Exchange (XMIO)	6.52	0.00	0.00	0.00	6.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-750.2300	-3.0847
ISE Mercury Options (MCRY)	5.52	0.00	0.00	0.00	5.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-178.5800	-3.1725
Nasdaq OMX (XBXO)	1.74	0.00	0.00	0.00	1.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-658.8700	-3.2361

	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)
١	Choe BZX Exchange (BATS)	1.37	0.00	0.00	0.00	1.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	161.0200	0.5089

Material Aspects:

CBOE Exchange (XCBO):

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MIAX Emerald, LLC. (EMLD):

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Nasdag PHLX (XPHO):

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BOX Exchange (XBOX):

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MIAX Pearl, LLC (MPRL):

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Miami Intl Exchange (XMIO):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may receive the overall costs of the execution services provided by WEX and DASH. WEX and DASH may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co.is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

ISE Mercury Options (MCRY):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH credit or billing adjustments from WEX and DASH may receive the overall costs of the execution services provided by WEX and DASH. WEX and DASH may receive a number of the execution services provided by WEX and DASH overall trading volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co.is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

Nasdag OMX (XBXO):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall trading volumes are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf

Choe BZX Exchange (BATS):

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March 2024

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
0.00	0.00	0.00	0.00	0.00

Venues

Non-dii	Venue - ected 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)
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Material Aspects:

March 2024

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	s % of All Orders Non-Directed Orders		Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

Venues

Non-dii	Venue - ected 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)
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Material Aspects:

March 2024

Options

Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
1	100.00	0.00	0.00	0.00	100.00

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 Exchange (XCBO)	19.21	0.00	0.00	0.00	19.21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-3,456.8925	-4.4823
Nasdaq ISE (XISX)	12.31	0.00	0.00	0.00	12.31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-325.4100	-0.6459
C2 Options Exchange, Inc. (C2OX)	11.17	0.00	0.00	0.00	11.17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-325.9100	-0.2785
NYSE ARCA Options (ARCO)	10.70	0.00	0.00	0.00	10.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-2,307.5000	-1.5380
Nasdaq PHLX (XPHO)	9.03	0.00	0.00	0.00	9.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-3,186.9700	-6.1602
NYSE American Options (AMXO)	8.06	0.00	0.00	0.00	8.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,826.8200	-2.2663
MIAX Pearl, LLC (MPRL)	6.98	0.00	0.00	0.00	6.98	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-782.9500	-0.9345
Miami Intl Exchange (XMIO)	5.89	0.00	0.00	0.00	5.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-472.1400	-1.9422
CBOE EDGX (EDGX)	3.89	0.00	0.00	0.00	3.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-302.0100	-0.7949
Cboe BZX Exchange (BATS)	3.31	0.00	0.00	0.00	3.31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	103.8600	0.2217

Material Aspects:

CBOE Exchange (XCBO):

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Nasdaq ISE (XISX)

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C2 Options Exchange, Inc. (C2OX):

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Nasdaq PHLX (XPHO):

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NYSE American Options (AMXO):

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MIAX Pearl, LLC (MPRL):

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Miami Intl Exchange (XMIO):

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Cboe BZX Exchange (BATS):

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