

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)
CLEARPOOL EXECUTION SERVICES, (CPEM)													
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

January 2022

Options

Summary

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

Material Aspects:

February 2022

S&P 500 Stocks

Summary

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

Material Aspects:

February 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
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)
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

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)
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

March 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
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)
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	100.00	0.00	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	80.00	0.00	0.00	0.00	80.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	60.00	0.00	0.00	0.00	60.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CLEARPOOL EXECUTION SERVICES, (CPEM)	40.00	0.00	0.00	0.00	40.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

March 2022

Options

Summary

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

Material Aspects: