





















Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Exchange (NSDQ)													
Cboe BZX Exchange, Inc. (BATS)	1.33	1.53	0.00	1.33	0.35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Pacific Stock Exchange (PSE)	0.71	0.00	0.00	0.45	10.77	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ATM Execution LLC. (ATM)	0.52	1.71	0.00	0.22	0.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PHXO (PHXO)	0.52	0.00	0.00	0.36	7.09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Miami Options Exchange (MIAX)	0.43	1.13	0.00	0.01	6.39	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects: