

# COWN - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2024

April 2024

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## S&P 500 Stocks

### Summary

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

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April 2024

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## Non-S&P 500 Stocks

### Summary

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

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April 2024

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## Options

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
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)
Miami Options Exchange (MIAX)	13.64	0.00	0.00	0.00	13.64	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	285.1100	0.1458
NYSE American (AMEX)	10.66	0.00	0.00	0.00	10.66	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-397.9700	-0.1432
C2 Options Exchange, Inc. (C2OX)	10.16	0.00	0.00	0.00	10.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	275.5900	0.1598
NYSE Arca (ARCA)	9.88	0.00	0.00	0.00	9.88	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,632.8100	-0.7232
Boston Options (BOX1)	8.81	0.00	0.00	0.00	8.81	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,555.4900	1.2063
MIAX Emerald, LLC. (EMLD)	8.81	0.00	0.00	0.00	8.81	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	567.1700	2.5850
ISE Options (ISE1)	6.27	0.00	0.00	0.00	6.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	263.1000	0.2834
MEMX Execution Services (MEMX)	5.94	0.00	0.00	0.00	5.94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	461.8500	2.3887
CBOE EDGX (EDGX)	5.05	0.00	0.00	0.00	5.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	647.5600	0.8544
MIAX Pearl, LLC (MPRL)	4.51	0.00	0.00	0.00	4.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,030.6700	-0.9173
NASDAQBX (NASD)	4.27	0.00	0.00	0.00	4.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	675.5500	3.1884
Chicago Board Options Exchange (CBOE)	2.63	0.00	0.00	0.00	2.63	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-425.3500	-0.6080

### Material Aspects:

#### Miami Options Exchange (MIAX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

#### NYSE American (AMEX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

AMEX 0.093219283 1.13%

#### C2 Options Exchange, Inc. (C2OX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

C2OX 0.041325765 6.69%

#### NYSE Arca (ARCA):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
ARCA 0.087655205 2.41%

Boston Options (BOX1):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
BOX 0.127839196 0.10%

MIAX Emerald, LLC. (EMLD):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
EMLD 0.093412655 0.74%

ISE Options (ISE1):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
ISE 0.021801228 3.49%

CBOE EDGX (EDGX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
EDGX 0.013509709 1.68%

MIAX Pearl, LLC (MPRL):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

NASDAQBX (NASD):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Chicago Board Options Exchange (CBOE):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
CBOE 0.021085682 5.49%

## May 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 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:

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## May 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

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:

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## May 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)
C2 Options Exchange, Inc. (C2OX)	14.04	0.00	0.00	0.00	14.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,308.8600	0.6704
Boston Options (BOX1)	13.78	0.00	0.00	0.00	13.78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4,668.2900	2.4575
Miami Options Exchange (MIAX)	13.01	0.00	0.00	0.00	13.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,140.2400	0.5598
MIAX Emerald, LLC. (EMLD)	9.90	0.00	0.00	0.00	9.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,207.4300	3.2773
MEMX Execution Services (MEMX)	9.72	0.00	0.00	0.00	9.72	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1,512.3800	3.7969
NYSE American (AMEX)	6.65	0.00	0.00	0.00	6.65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-136.0800	-0.0545
ISE Options (ISE1)	6.60	0.00	0.00	0.00	6.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	209.5400	0.0893
NYSE Arca (ARCA)	6.30	0.00	0.00	0.00	6.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,384.8700	-0.6773
CBOE EDGX (EDGX)	4.18	0.00	0.00	0.00	4.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	335.2900	0.4112
Cboe BZX Exchange (BATS)	3.64	0.00	0.00	0.00	3.64	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	586.2300	0.9652
MIAX Pearl, LLC (MPRL)	2.81	0.00	0.00	0.00	2.81	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,048.5800	-0.8474

### Material Aspects:

C2 Options Exchange, Inc. (C2OX):

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Destination Per Contract Rebate % of Contracts

C2OX 0.041325765 6.69%

Boston Options (BOX1):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

BOX 0.127839196 0.10%

Miami Options Exchange (MIAX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

MIAX Emerald, LLC. (EMLD):

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Destination Per Contract Rebate % of Contracts

EMLD 0.093412655 0.74%

NYSE American (AMEX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

AMEX 0.093219283 1.13%

**ISE Options (ISE1):**

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

ISE 0.021801228 3.49%

**NYSE Arca (ARCA):**

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

ARCA 0.087655205 2.41%

**CBOE EDGX (EDGX):**

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

EDGX 0.013509709 1.68%

**Cboe BZX Exchange (BATS):**

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

BATS 0.022205769 8.21%

**MIAX Pearl, LLC (MPRL):**

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

## June 2024

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### S&P 500 Stocks

**Summary**

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

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## June 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

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:

## June 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)
Boston Options (BOX1)	14.59	0.00	0.00	0.00	14.59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5,356.3000	2.8751
C2 Options Exchange, Inc. (C2OX)	12.59	0.00	0.00	0.00	12.59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	49.4500	0.0290
MEMX Execution Services (MEMX)	9.45	0.00	0.00	0.00	9.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	611.1300	1.1977
NYSE Arca (ARCA)	9.00	0.00	0.00	0.00	9.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-495.0500	-0.2374
Chicago Board Options Exchange (CBOE)	7.51	0.00	0.00	0.00	7.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,372.0200	-3.7553
ISE Options (ISE1)	6.63	0.00	0.00	0.00	6.63	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-198.9700	-0.1692
Miami Options Exchange (MIAX)	6.35	0.00	0.00	0.00	6.35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-447.2000	-0.3531
CBOE EDGX (EDGX)	5.23	0.00	0.00	0.00	5.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	123.0100	0.1836
MIAX Emerald, LLC. (EMLD)	5.20	0.00	0.00	0.00	5.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	181.2600	0.9538
Cboe BZX Exchange (BATS)	4.72	0.00	0.00	0.00	4.72	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	976.7800	2.4701
ISE Mercury Options (MCRY)	3.20	0.00	0.00	0.00	3.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	118.6000	3.7867

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 (NASD)	3.04	0.00	0.00	0.00	3.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	132.5000	0.3323
NYSE American (AMEX)	3.01	0.00	0.00	0.00	3.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-740.7700	-2.6279

#### Material Aspects:

##### Boston Options (BOX1):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

BOX 0.127839196 0.10%

##### C2 Options Exchange, Inc. (C2OX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

C2OX 0.041325765 6.69%

##### NYSE Arca (ARCA):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

ARCA 0.087655205 2.41%

##### Chicago Board Options Exchange (CBOE):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

CBOE 0.021085682 5.49%

##### ISE Options (ISE1):

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Destination Per Contract Rebate % of Contracts

ISE 0.021801228 3.49%

##### Miami Options Exchange (MIAX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

##### CBOE EDGX (EDGX):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts

EDGX 0.013509709 1.68%

##### MIAX Emerald, LLC. (EMLD):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

Destination Per Contract Rebate % of Contracts  
EMLD 0.093412655 0.74%

Cboe BZX Exchange (BATS):

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Destination Per Contract Rebate % of Contracts  
BATS 0.022205769 8.21%

ISE Mercury Options (MCRY):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

NASDAQ (NASD):

Cowen and Company, LLC ("Cowen" or the "Firm") maintains an institutional options trading business. This business has a relationship with Wolverine Execution Services ("WEXX"). WEXX provides the Firm with its Order Management System. WEXX also acts as the executing broker on all of the Firm's transactions. Cowen directs all orders to Exchanges for execution. WEXX is not involved with the decision where to route an order in any manner. The Firm maintains a billing relationship with WEXX whereby WEXX passes onto the Firm any costs or rebates associated with Exchange pricing models. The Firm does not maintain any relationship with any exchange or venue where the Firm receives volume discounts. The Firm does not receive any volume discount passed onto it by WEXX.

NYSE American (AMEX):

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Destination Per Contract Rebate % of Contracts  
AMEX 0.093219283 1.13%