

Venue	Date	Venue (MIC)	Liquidity Code	Trade Type	Rate per Share (mils USD)
NASDAQ	2024.07	NASDAQ Equities		Add Displayed Designated Retail Liquidity at least 85%	-0.0033
NASDAQ	2024.07	NASDAQ Equities		Add Liquidity - Firm Adds over 0.10% TCV	-0.002
NASDAQ	2024.07	NASDAQ Equities		Add Liquidity - Priced Under \$1	0
NASDAQ	2024.07	NASDAQ Equities		Add Midpoint Liquidity - Standard Tape C	-0.001
NASDAQ	2024.07	NASDAQ Equities		Add Midpoint Liquidity - Standard Tapes A & B	-0.0014
NASDAQ	2024.07	NASDAQ Equities		Add Non-Displayed Liquidity - Standard	0
NASDAQ	2024.07	NASDAQ Equities		M-ELO at or over \$1.00	0.0004
NASDAQ	2024.07	NASDAQ Equities		M-ELO below \$1.00	0
NASDAQ	2024.07	NASDAQ Equities		NASDAQ Closing Cross - Imbalance	0.0011
NASDAQ	2024.07	NASDAQ Equities		NASDAQ Closing Cross - Tier E	0.00145
NASDAQ	2024.07	NASDAQ Equities		NASDAQ IPO/Halt Cross	0.001
NASDAQ	2024.07	NASDAQ Equities		NASDAQ Opening Cross - Imbalance	0.0011
NASDAQ	2024.07	NASDAQ Equities		NASDAQ Opening Cross - Standard	0.0015
NASDAQ	2024.07	NASDAQ Equities		Remove Liquidity - Priced Under \$1	0.003
NASDAQ	2024.07	NASDAQ Equities		Remove Liquidity - Standard	0.003
NASDAQ	2024.07	NASDAQ Equities		Routed - Standard	0.003
NASDAQ	2024.07	NASDAQ Equities		Routed - Under \$1	0.003
NYSE	2024.07	NYSE Equities	A	Provide	-0.002
NYSE	2024.07	NYSE Equities	A	Provide	-0.002
NYSE	2024.07	NYSE Equities	A	Floor - Provide	-0.0019
NYSE	2024.07	NYSE Equities	A	Provide	-0.0012
NYSE	2024.07	NYSE Equities	AB	Provide - NYSE Only	-0.002
NYSE	2024.07	NYSE Equities	AB	Provide - NYSE Only	-0.002
NYSE	2024.07	NYSE Equities	AB	Provide - NYSE Only	-0.0012
NYSE	2024.07	NYSE Equities	AML	Provide - MPL	-0.001
NYSE	2024.07	NYSE Equities	AML	Provide - MPL	-0.001
NYSE	2024.07	NYSE Equities	AML	Floor - Provide - MPL	-0.001
NYSE	2024.07	NYSE Equities	AML	Provide - MPL	-0.001
NYSE	2024.07	NYSE Equities	AMZ	Provide - MPL Subdollar	0
NYSE	2024.07	NYSE Equities	AMZ	Provide - MPL Subdollar	0
NYSE	2024.07	NYSE Equities	AND	Provide - Non-Displayed	0
NYSE	2024.07	NYSE Equities	AND	Provide - Non-Displayed	0
NYSE	2024.07	NYSE Equities	AND	Floor - Provide - Non-Displayed	0
NYSE	2024.07	NYSE Equities	AND	Provide - Non-Displayed	0
NYSE	2024.07	NYSE Equities	ANZ	Provide - Non-Displayed Subdollar	0
NYSE	2024.07	NYSE Equities	ANZ	Provide - Non-Displayed Subdollar	0
NYSE	2024.07	NYSE Equities	ANZ	Provide - Non-Displayed Subdollar	0
NYSE	2024.07	NYSE Equities	ARE	Provide - Retail	-0.0032
NYSE	2024.07	NYSE Equities	ARE	Provide - Retail	-0.0032
NYSE	2024.07	NYSE Equities	AREI	Provide - Retail Internalization	-0.0032
NYSE	2024.07	NYSE Equities	AREZ	Provide - Retail Subdollar	0
NYSE	2024.07	NYSE Equities	ASB	Provide - Set BBO	-0.002
NYSE	2024.07	NYSE Equities	ASB	Provide - Set BBO	-0.002
NYSE	2024.07	NYSE Equities	ASB	Floor - Provide - Set BBO	-0.0019
NYSE	2024.07	NYSE Equities	ASB	Provide - Set BBO	-0.0012
NYSE	2024.07	NYSE Equities	ASP	Provide - Set NBBO	-0.002
NYSE	2024.07	NYSE Equities	ASP	Provide - Set NBBO	-0.002
NYSE	2024.07	NYSE Equities	ASP	Floor - Provide - Set NBBO	-0.0019
NYSE	2024.07	NYSE Equities	ASP	Provide - Set NBBO	-0.0012
NYSE	2024.07	NYSE Equities	ASPZ	Provide - Set NBBO Subdollar	0
NYSE	2024.07	NYSE Equities	ASPZ	Provide - Set NBBO Subdollar	0
NYSE	2024.07	NYSE Equities	ASPZ	Provide - Set NBBO Subdollar	0
NYSE	2024.07	NYSE Equities	AZ	Provide - Subdollar	0
NYSE	2024.07	NYSE Equities	AZ	Provide - Subdollar	0
NYSE	2024.07	NYSE Equities	AZ	Provide - Subdollar	0
NYSE	2024.07	NYSE Equities	C	Closing Auction - LOC	0.0011
NYSE	2024.07	NYSE Equities	CED	Floor Closing Auction - Early	0.0003
NYSE	2024.07	NYSE Equities	CL	Closing Auction - Limit	0.0008
NYSE	2024.07	NYSE Equities	CL	Floor Closing Auction - Limit	0.0008
NYSE	2024.07	NYSE Equities	CLD	Floor Closing Auction - Late	0.0012
NYSE	2024.07	NYSE Equities	CLZ	Closing Auction - Limit - Subdollar	0
NYSE	2024.07	NYSE Equities	CM	Closing Auction - MOC	0.001
NYSE	2024.07	NYSE Equities	CMD	Floor Closing Auction	0.0007
NYSE	2024.07	NYSE Equities	CMDZ	Floor Closing Auction - Subdollar	0
NYSE	2024.07	NYSE Equities	CMZ	Closing Auction MOC Subdollar	0.003
NYSE	2024.07	NYSE Equities	O	Floor Opening Auction	0.0003
NYSE	2024.07	NYSE Equities	O	Opening Auction	0.001
NYSE	2024.07	NYSE Equities	OL	Floor Opening Auction - Limit	0.0003
NYSE	2024.07	NYSE Equities	OL	Opening Auction - Limit	0.001
NYSE	2024.07	NYSE Equities	OLZ	Opening Auction - Limit - Subdollar	0.003
NYSE	2024.07	NYSE Equities	OM	Floor Opening - Market Day and MOO	0.0003
NYSE	2024.07	NYSE Equities	OM	Opening - Market Day and MOO	0.001
NYSE	2024.07	NYSE Equities	OMZ	Opening - Market Day and MOO - Subdollar	0.003
NYSE	2024.07	NYSE Equities	R	Remove (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	R	Remove	0
NYSE	2024.07	NYSE Equities	R	Remove	0.003
NYSE	2024.07	NYSE Equities	R	Remove (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	R	Remove (Take Tier)	-0.00005
NYSE	2024.07	NYSE Equities	R	Remove	0
NYSE	2024.07	NYSE Equities	R	Remove	0.003
NYSE	2024.07	NYSE Equities	R	Floor - Remove	0.0024
NYSE	2024.07	NYSE Equities	R	Remove	0
NYSE	2024.07	NYSE Equities	R	Remove	0.003
NYSE	2024.07	NYSE Equities	RBD	Remove NBBO - Retail (Day) (Take Tier)	-0.00005
NYSE	2024.07	NYSE Equities	RBD	Remove NBBO - Retail (Day)	0.003
NYSE	2024.07	NYSE Equities	RBD	Remove NBBO - Retail (Day)	0.003

NYSE	2024.07	NYSE Equities	RBDZ	Remove NBBO - Retail (Day) - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0.003
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO (Take Tier)	-0.00005
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0.003
NYSE	2024.07	NYSE Equities	RBN	Floor - Remove better than contra-NBBO	0.0024
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0
NYSE	2024.07	NYSE Equities	RBN	Remove better than contra-NBBO	0.003
NYSE	2024.07	NYSE Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RI	Remove - IOC (Take Tier)	-0.00005
NYSE	2024.07	NYSE Equities	RI	Remove - IOC	0
NYSE	2024.07	NYSE Equities	RI	Remove - IOC	0.003
NYSE	2024.07	NYSE Equities	RML	Remove - MPL	0.003
NYSE	2024.07	NYSE Equities	RML	Remove - MPL	0.003
NYSE	2024.07	NYSE Equities	RML	Floor - Remove - MPL	0.003
NYSE	2024.07	NYSE Equities	RML	Remove - MPL	0.003
NYSE	2024.07	NYSE Equities	RMZ	Remove - MPL Subdollar	0.003
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	0
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	0.003
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed (Take Tier)	-0.00015
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed (Take Tier)	-0.00005
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	4.25
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	0.003
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	0
NYSE	2024.07	NYSE Equities	RND	Remove - Non-Displayed	0.003
NYSE	2024.07	NYSE Equities	RNZ	Remove - Non-Displayed Subdollar	0.003
NYSE	2024.07	NYSE Equities	RNZ	Remove - Non-Displayed Subdollar	0.003
NYSE	2024.07	NYSE Equities	RR	Remove Regular - Retail	0.003
NYSE	2024.07	NYSE Equities	RZ	Remove - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RZ	Remove - Subdollar	0.003
NYSE	2024.07	NYSE Equities	RZ	Remove - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XA	Primary Only to American - Remove	0.0035
NYSE	2024.07	NYSE Equities	XA	Floor - Primary Only to American - Remove	0.0035
NYSE	2024.07	NYSE Equities	XA	Primary Only to American - Remove	0.0035
NYSE	2024.07	NYSE Equities	XAC	Primary Only to American - Closing Auction	0.0005
NYSE	2024.07	NYSE Equities	XAO	Primary Only to American - Open/Reopen Auction	0.0005
NYSE	2024.07	NYSE Equities	XAZ	Primary Only to American - Subdollar	0.0008
NYSE	2024.07	NYSE Equities	XB	Routed - BX	0.0035
NYSE	2024.07	NYSE Equities	XB	Routed - BX	0.0035
NYSE	2024.07	NYSE Equities	XC	Routed - National	0.0035
NYSE	2024.07	NYSE Equities	XH	Routed - MIAAX	0.0035
NYSE	2024.07	NYSE Equities	XH	Routed - MIAAX	0.0035
NYSE	2024.07	NYSE Equities	XH	Floor - Routed - MIAAX	0.0035
NYSE	2024.07	NYSE Equities	XH	Routed - MIAAX	0.0035
NYSE	2024.07	NYSE Equities	XHZ	Routed - MIAAX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XJ	Routed - EDGA	0.0035
NYSE	2024.07	NYSE Equities	XK	Routed - EDGX	0.0035
NYSE	2024.07	NYSE Equities	XK	Routed - EDGX	0.0035
NYSE	2024.07	NYSE Equities	XK	Floor - Routed - EDGX	0.0035
NYSE	2024.07	NYSE Equities	XK	Routed - EDGX	0.0035
NYSE	2024.07	NYSE Equities	XKZ	Routed - EDGX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XKZ	Routed - EDGX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XKZ	Routed - EDGX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XM	Routed - CHX	0.0035
NYSE	2024.07	NYSE Equities	XM	Routed - CHX	0.0035
NYSE	2024.07	NYSE Equities	XM	Floor - Routed - CHX	0.0035
NYSE	2024.07	NYSE Equities	XM	Routed - CHX	0.0035
NYSE	2024.07	NYSE Equities	XMZ	Routed - CHX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XP	Primary Only to Arca - Remove	0.0035
NYSE	2024.07	NYSE Equities	XP	Primary Only to Arca - Remove	0.0035
NYSE	2024.07	NYSE Equities	XP	Floor - Primary Only to Arca - Remove	0.0035
NYSE	2024.07	NYSE Equities	XP	Primary Only to Arca - Remove	0.0035
NYSE	2024.07	NYSE Equities	XPZ	Primary Only to Arca - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XPZ	Primary Only to Arca - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XPZ	Primary Only to Arca - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XQ	Routed - NASDAQ	0.0035
NYSE	2024.07	NYSE Equities	XQ	Routed - NASDAQ	0.0035
NYSE	2024.07	NYSE Equities	XQ	Floor - Routed - NASDAQ	0.0035
NYSE	2024.07	NYSE Equities	XQ	Routed - NASDAQ	0.0035
NYSE	2024.07	NYSE Equities	XQZ	Primary Only to NASDAQ - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XQZ	Primary Only to NASDAQ - Subdollar	0.003
NYSE	2024.07	NYSE Equities	XU	Routed - MEMX	0.0035
NYSE	2024.07	NYSE Equities	XU	Routed - MEMX	0.0035
NYSE	2024.07	NYSE Equities	XU	Floor - Routed - MEMX	0.0035
NYSE	2024.07	NYSE Equities	XU	Routed - MEMX	0.0035
NYSE	2024.07	NYSE Equities	XUZ	Routed - MEMX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XUZ	Routed - MEMX Subdollar	0.003
NYSE	2024.07	NYSE Equities	XV	Routed - IEX	0.0035
NYSE	2024.07	NYSE Equities	XX	Routed - PHLX	0.0035
NYSE	2024.07	NYSE Equities	XX	Routed - PHLX	0.0035
NYSE	2024.07	NYSE Equities	XY	Floor - Routed - BATY	0.0035

NYSE	2024.07	NYSE Equities	XY	Routed - BATY	0.0035
NYSE	2024.07	NYSE Equities	XZ	Routed - BATZ	0.0035
NYSE	2024.07	NYSE Equities	XZ	Routed - BATZ	0.0035
NYSE	2024.07	NYSE Equities	XZ	Floor - Routed - BATZ	0.0035
NYSE	2024.07	NYSE Equities	XZ	Routed - BATZ	0.0035
NYSE	2024.07	NYSE Equities	XZZ	Primary Only to BATZ - Subdollar	0.003
EDGX	2024.07	EDGX Equities	3	Adds liquidity to EDGX, pre and post market (Tapes A or C)	-0.0016
EDGX	2024.07	EDGX Equities	B	Adds liquidity to EDGX (Tape B) (subdollar)	-0.00003
EDGX	2024.07	EDGX Equities	BB	Removes liquidity from EDGX (Tape B)	0.003
EDGX	2024.07	EDGX Equities	BB	Removes liquidity from EDGX (Tape B) (subdollar)	0.003
EDGX	2024.07	EDGX Equities	DQ	QDP Usage, adds liquidity	0.0004
EDGX	2024.07	EDGX Equities	DQ	QDP Usage, adds liquidity (subdollar)	0.003
EDGX	2024.07	EDGX Equities	DX	QDP Usage, removes liquidity	0.0015
EDGX	2024.07	EDGX Equities	HA	Non-displayed order, adds liquidity	-0.0008
EDGX	2024.07	EDGX Equities	HA	Non-displayed order, adds liquidity (subdollar)	0
EDGX	2024.07	EDGX Equities	HI	Non-displayed order that receives price improvement, adds liquidity	0
EDGX	2024.07	EDGX Equities	MM	Non-displayed order, adds liquidity using Mid-Point Peg	-0.0008
EDGX	2024.07	EDGX Equities	3	Adds liquidity to EDGX, pre and post market (Tapes A or C) (subdollar)	-0.00003
EDGX	2024.07	EDGX Equities	MM	Non-displayed order, adds liquidity using Mid-Point Peg (subdollar)	0
EDGX	2024.07	EDGX Equities	N	Removes liquidity from EDGX (Tape C)	0.003
EDGX	2024.07	EDGX Equities	N	Removes liquidity from EDGX (Tape C) (subdollar)	0.003
EDGX	2024.07	EDGX Equities	OO	EDGX Opening or Re-Opening	0.001
EDGX	2024.07	EDGX Equities	OO	EDGX Opening or Re-Opening (subdollar)	0
EDGX	2024.07	EDGX Equities	RX	Routed using ROUX routing strategy	0.003
EDGX	2024.07	EDGX Equities	RX	Routed using ROUX routing strategy (subdollar)	0.003
EDGX	2024.07	EDGX Equities	V	Adds liquidity to EDGX (Tape A)	-0.0016
EDGX	2024.07	EDGX Equities	V	Adds liquidity to EDGX (Tape A) (subdollar)	-0.00003
EDGX	2024.07	EDGX Equities	VI	Displayed order subject to price sliding that receives price improvement, adds liquidity	0
EDGX	2024.07	EDGX Equities	4	Adds liquidity to EDGX, pre and post market (Tape B)	-0.0016
EDGX	2024.07	EDGX Equities	W	Removes liquidity from EDGX (Tape A)	0.003
EDGX	2024.07	EDGX Equities	W	Removes liquidity from EDGX (Tape A) (subdollar)	0.003
EDGX	2024.07	EDGX Equities	Y	Adds liquidity to EDGX (Tape C)	-0.0016
EDGX	2024.07	EDGX Equities	Y	Adds liquidity to EDGX (Tape C) (subdollar)	-0.00003
EDGX	2024.07	EDGX Equities	ZA	Retail Order, adds liquidity	-0.0032
EDGX	2024.07	EDGX Equities	ZA	Retail Order, adds liquidity (subdollar)	-0.00003
EDGX	2024.07	EDGX Equities	ZM	Retail order, Day/RHO or GTX, removes liquidity on arrival	0
EDGX	2024.07	EDGX Equities	ZM	Retail order, Day/RHO or GTX, removes liquidity on arrival (subdollar)	0
EDGX	2024.07	EDGX Equities	4	Adds liquidity to EDGX, pre and post market (Tape B) (subdollar)	0
EDGX	2024.07	EDGX Equities	6	Removes liquidity from EDGX, pre and post market (All Tapes)	0.003
EDGX	2024.07	EDGX Equities	6	Removes liquidity from EDGX, pre and post market (All Tapes) (subdollar)	0.003
EDGX	2024.07	EDGX Equities	7	Routed, pre and post market, removes liquidity	0.003
EDGX	2024.07	EDGX Equities	7	Routed, pre and post market, removes liquidity (subdollar)	0.003
EDGX	2024.07	EDGX Equities	B	Adds liquidity to EDGX (Tape B)	-0.0016
MEMX	2024.07	MEMX Equities	B6A	Added displayed volume, Liquidity Provision Tier 6 Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0025
MEMX	2024.07	MEMX Equities	BB	Added displayed volume Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.00075
MEMX	2024.07	MEMX Equities	BRA	Added displayed volume, Retail Order Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0034
MEMX	2024.07	MEMX Equities	BRB	Added displayed volume, Retail Order Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.0015
MEMX	2024.07	MEMX Equities	D6A	Added displayed volume, Liquidity Provision Tier 6 Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0025
MEMX	2024.07	MEMX Equities	DB	Added displayed volume Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.00075
MEMX	2024.07	MEMX Equities	DRA	Added displayed volume, Retail Order Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0034
MEMX	2024.07	MEMX Equities	DRB	Added displayed volume, Retail Order Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.0015
MEMX	2024.07	MEMX Equities	HA	Added non-displayed volume Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0008
MEMX	2024.07	MEMX Equities	HB	Added non-displayed volume Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.00075
MEMX	2024.07	MEMX Equities	J6A	Added displayed volume, Liquidity Provision Tier 6 Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0025
MEMX	2024.07	MEMX Equities	JB	Added displayed volume Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.00075
MEMX	2024.07	MEMX Equities	JrA	Added displayed volume, Retail Order Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0034
MEMX	2024.07	MEMX Equities	JrB	Added displayed volume, Retail Order Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.0015
MEMX	2024.07	MEMX Equities	MA	Added non-displayed volume, Midpoint Peg Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0008
MEMX	2024.07	MEMX Equities	MB	Added non-displayed volume, Midpoint Peg Fee/(Rebate) – Securities below \$1.00 (“B”)	-0.00075
MEMX	2024.07	MEMX Equities	PA	Added volume, order subject to Display-Price Sliding that receives price improvement when executed Fee/(Rebate) – Securities at or above \$1.00 (“A”)	-0.0008
MEMX	2024.07	MEMX Equities	RA	Removed volume from MEMX Book Fee/(Rebate) – Securities at or above \$1.00 (“A”)	0.003
MEMX	2024.07	MEMX Equities	RB	Removed volume from MEMX Book Fee/(Rebate) – Securities below \$1.00 (“B”)	0.0028
MEMX	2024.07	MEMX Equities	RrOA	Removed volume from MEMX Book upon entry, Retail Order (Day/GTT/RHO) Fee/(Rebate) – Securities at or above \$1.00 (“A”)	0
MEMX	2024.07	MEMX Equities	RrOB	Removed volume from MEMX Book upon entry, Retail Order (Day/GTT/RHO) Fee/(Rebate) – Securities below \$1.00 (“B”)	0
ARCA	2024.07	ARCA Equities	A	Provide	-0.002
ARCA	2024.07	ARCA Equities	AB	Provide - Arca Only	-0.002
ARCA	2024.07	ARCA Equities	AML	Provide - MPL	-0.001
ARCA	2024.07	ARCA Equities	AMZ	Provide - MPL Subdollar	0
ARCA	2024.07	ARCA Equities	AND	Provide - Non-Displayed	0
ARCA	2024.07	ARCA Equities	ANZ	Provide - Non-Displayed Subdollar	0
ARCA	2024.07	ARCA Equities	ASB	Provide - BBO Setter	-0.002
ARCA	2024.07	ARCA Equities	AZ	Provide - Subdollar	0
ARCA	2024.07	ARCA Equities	R	Remove	0.003
ARCA	2024.07	ARCA Equities	RBN	Remove better than contra-NBBO	0.003
ARCA	2024.07	ARCA Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
ARCA	2024.07	ARCA Equities	RI	Remove - IOC	0.003
ARCA	2024.07	ARCA Equities	RML	Remove - MPL	0.003
ARCA	2024.07	ARCA Equities	RMZ	Remove - MPL Subdollar	0.003
ARCA	2024.07	ARCA Equities	RND	Remove - Non-Displayed	0.003
ARCA	2024.07	ARCA Equities	RZ	Remove - Subdollar	0.003
ARCA	2024.07	ARCA Equities	XA	Primary Only to American - Remove	0.0035
ARCA	2024.07	ARCA Equities	XAZ	Primary Only to American - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XB	Routed - Nasdaq BX	0.0035
ARCA	2024.07	ARCA Equities	XC	Routed - National	0.0035

ARCA	2024.07	ARCA Equities	XH	Routed - MIAX	0.0035
ARCA	2024.07	ARCA Equities	XHZ	Routed - MIAX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XI	Routed - IOI Ping	0.0035
ARCA	2024.07	ARCA Equities	XIZ	Routed - IOI Ping Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XJ	Routed - EDGA	0.0035
ARCA	2024.07	ARCA Equities	XJZ	Routed - EDGA Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XK	Routed - EDGX	0.0035
ARCA	2024.07	ARCA Equities	XKZ	Routed - EDGX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XM	Routed - CHX	0.0035
ARCA	2024.07	ARCA Equities	XN	Primary Only to NYSE - Remove	0.0035
ARCA	2024.07	ARCA Equities	XNO	Primary Only to NYSE - Opening Auction	0.001
ARCA	2024.07	ARCA Equities	XNZ	Primary Only to NYSE - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XQ	Routed - Nasdaq	0.0035
ARCA	2024.07	ARCA Equities	XQZ	Routed - Nasdaq Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XU	Routed - MEMX	0.0035
ARCA	2024.07	ARCA Equities	XUZ	Routed - MEMX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XV	Routed - IEX	0.0035
ARCA	2024.07	ARCA Equities	XVZ	Routed - IEX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XX	Routed - Nasdaq PSX	0.0035
ARCA	2024.07	ARCA Equities	XY	Routed - BATY	0.0035
ARCA	2024.07	ARCA Equities	XYZ	Routed - BATY Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XZ	Routed - BATZ	0.0035
ARCA	2024.07	ARCA Equities	XZZ	Routed - BATZ Subdollar	0.0035
ARCA	2024.07	ARCA Equities	A	Provide	-0.0016
ARCA	2024.07	ARCA Equities	AB	Provide - Arca Only	-0.0016
ARCA	2024.07	ARCA Equities	AML	Provide - MPL	-0.001
ARCA	2024.07	ARCA Equities	AMZ	Provide - MPL Subdollar	0
ARCA	2024.07	ARCA Equities	AND	Provide - Non-Displayed	0
ARCA	2024.07	ARCA Equities	ANZ	Provide - Non-Displayed Subdollar	0
ARCA	2024.07	ARCA Equities	ARE	Provide - Retail	-0.0032
ARCA	2024.07	ARCA Equities	AREI	Provide - Retail Indicator	-0.0032
ARCA	2024.07	ARCA Equities	AREZ	Provide - Retail	-0.0005
ARCA	2024.07	ARCA Equities	ASB	Provide - BBO Setter	-0.0016
ARCA	2024.07	ARCA Equities	AZ	Provide - Subdollar	0
ARCA	2024.07	ARCA Equities	CL	Closing Auction - Limit Order	0.0006
ARCA	2024.07	ARCA Equities	CLZ	Closing Auction - Limit Order Sub Dollar	0.001
ARCA	2024.07	ARCA Equities	CM	Closing Auction	0.0012
ARCA	2024.07	ARCA Equities	O	Opening Auction - Limit on Open	0.0015
ARCA	2024.07	ARCA Equities	OL	Opening Auction - Limit Order	0.0006
ARCA	2024.07	ARCA Equities	OM	Opening Auction	0.0015
ARCA	2024.07	ARCA Equities	OMR	Opening Auction Retail	0.0005
ARCA	2024.07	ARCA Equities	R	Remove	0.003
ARCA	2024.07	ARCA Equities	RBD	Remove better than contra-NBBO Retail	0.003
ARCA	2024.07	ARCA Equities	RBN	Remove better than contra-NBBO	0.003
ARCA	2024.07	ARCA Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
ARCA	2024.07	ARCA Equities	RI	Remove - IOC	0.003
ARCA	2024.07	ARCA Equities	RIZ	Remove - IOC Subdollar	0.003
ARCA	2024.07	ARCA Equities	RML	Remove - MPL	0.003
ARCA	2024.07	ARCA Equities	RMZ	Remove - MPL Subdollar	0.003
ARCA	2024.07	ARCA Equities	RND	Remove - Non-Displayed	0.003
ARCA	2024.07	ARCA Equities	RNZ	Remove - Non-Displayed Subdollar	0.003
ARCA	2024.07	ARCA Equities	RR	Remove Retail	0.003
ARCA	2024.07	ARCA Equities	RZ	Remove - Subdollar	0.003
ARCA	2024.07	ARCA Equities	XA	Primary Only to American - Remove	0.0035
ARCA	2024.07	ARCA Equities	XAO	Primary Only to American - Opening Auction	0.0005
ARCA	2024.07	ARCA Equities	XAZ	Primary Only to American - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XB	Routed - Nasdaq BX	0.0035
ARCA	2024.07	ARCA Equities	XC	Routed - National	0.0035
ARCA	2024.07	ARCA Equities	XCZ	Routed - National Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XH	Routed - MIAX	0.0035
ARCA	2024.07	ARCA Equities	XHZ	Routed - MIAX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XI	Routed - IOI Ping	0.0035
ARCA	2024.07	ARCA Equities	XIZ	Routed - IOI Ping Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XJ	Routed - EDGA	0.0035
ARCA	2024.07	ARCA Equities	XJZ	Routed - EDGA Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XK	Routed - EDGX	0.0035
ARCA	2024.07	ARCA Equities	XKZ	Routed - EDGX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XM	Routed - CHX	0.0035
ARCA	2024.07	ARCA Equities	XMZ	Routed - CHX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XN	Primary Only to NYSE - Remove	0.0035
ARCA	2024.07	ARCA Equities	XNZ	Primary Only to NYSE - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XQ	Routed - Nasdaq	0.0035
ARCA	2024.07	ARCA Equities	XQZ	Routed - Nasdaq Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XU	Routed - MEMX	0.0035
ARCA	2024.07	ARCA Equities	XUZ	Routed - MEMX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XV	Routed - IEX	0.0035
ARCA	2024.07	ARCA Equities	XVZ	Routed - IEX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XX	Routed - Nasdaq PSX	0.0035
ARCA	2024.07	ARCA Equities	XY	Routed - BATY	0.0035
ARCA	2024.07	ARCA Equities	XYZ	Routed - BATY Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XZ	Routed - BATZ	0.0035
ARCA	2024.07	ARCA Equities	XZZ	Routed - BATZ Subdollar	0.0035
ARCA	2024.07	ARCA Equities	A	Provide	-0.002
ARCA	2024.07	ARCA Equities	AB	Provide - Arca Only	-0.002
ARCA	2024.07	ARCA Equities	AML	Provide - MPL	-0.001
ARCA	2024.07	ARCA Equities	AMZ	Provide - MPL Subdollar	0
ARCA	2024.07	ARCA Equities	AND	Provide - Non-Displayed	0

ARCA	2024.07	ARCA Equities	ANZ	Provide - Non-Displayed Subdollar	0
ARCA	2024.07	ARCA Equities	ASB	Provide - BBO Setter	-0.002
ARCA	2024.07	ARCA Equities	AZ	Provide - Subdollar	0
ARCA	2024.07	ARCA Equities	CL	Closing Auction - Limit Order	0.0006
ARCA	2024.07	ARCA Equities	CLZ	Closing Auction - Limit Order Sub Dollar	0.001
ARCA	2024.07	ARCA Equities	R	Remove	0.003
ARCA	2024.07	ARCA Equities	RBN	Remove better than contra-NBBO	0.003
ARCA	2024.07	ARCA Equities	RBNZ	Remove better than contra-NBBO - Subdollar	0.003
ARCA	2024.07	ARCA Equities	RI	Remove - IOC	0.003
ARCA	2024.07	ARCA Equities	RIZ	Remove - IOC Subdollar	0.003
ARCA	2024.07	ARCA Equities	RML	Remove - MPL	0.003
ARCA	2024.07	ARCA Equities	RMZ	Remove - MPL Subdollar	0.003
ARCA	2024.07	ARCA Equities	RND	Remove - Non-Displayed	0.003
ARCA	2024.07	ARCA Equities	RNZ	Remove - Non-Displayed Subdollar	0.003
ARCA	2024.07	ARCA Equities	RZ	Remove - Subdollar	0.003
ARCA	2024.07	ARCA Equities	XA	Primary Only to American - Remove	0.0035
ARCA	2024.07	ARCA Equities	XAZ	Primary Only to American - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XB	Routed - Nasdaq BX	0.0035
ARCA	2024.07	ARCA Equities	XBZ	Routed - Nasdaq BX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XC	Routed - National	0.0035
ARCA	2024.07	ARCA Equities	XCZ	Routed - National Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XH	Routed - MIAX	0.0035
ARCA	2024.07	ARCA Equities	XHZ	Routed - MIAX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XI	Routed - IOI Ping	0.0035
ARCA	2024.07	ARCA Equities	XIZ	Routed - IOI Ping Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XJ	Routed - EDGA	0.0035
ARCA	2024.07	ARCA Equities	XJZ	Routed - EDGA Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XK	Routed - EDGX	0.0035
ARCA	2024.07	ARCA Equities	XKZ	Routed - EDGX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XM	Routed - CHX	0.0035
ARCA	2024.07	ARCA Equities	XMZ	Routed - CHX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XN	Primary Only to NYSE - Remove	0.0035
ARCA	2024.07	ARCA Equities	XNZ	Primary Only to NYSE - Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XQ	Routed - Nasdaq	0.0035
ARCA	2024.07	ARCA Equities	XQA	Primary Only to Nasdaq	0.003
ARCA	2024.07	ARCA Equities	XQZ	Routed - Nasdaq Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XU	Routed - MEMX	0.0035
ARCA	2024.07	ARCA Equities	XUZ	Routed - MEMX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XV	Routed - IEX	0.0035
ARCA	2024.07	ARCA Equities	XVZ	Routed - IEX Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XX	Routed - Nasdaq PSX	0.0035
ARCA	2024.07	ARCA Equities	XY	Routed - BATY	0.0035
ARCA	2024.07	ARCA Equities	XYZ	Routed - BATY Subdollar	0.0035
ARCA	2024.07	ARCA Equities	XZ	Routed - BATZ	0.0035
ARCA	2024.07	ARCA Equities	XZZ	Routed - BATZ Subdollar	0.0035
BATS	2024.07	BATS Equities	AC	Closing Auction, BZX listed security	0.001
BATS	2024.07	BATS Equities	BB	Removes liquidity from BZX (Tape B) (subdollar)	0.003
BATS	2024.07	BATS Equities	HB	Non-displayed order, adds liquidity (Tape B) (subdollar)	0
BATS	2024.07	BATS Equities	HB	Non-displayed order, adds liquidity (Tape B)	-0.0008
BATS	2024.07	BATS Equities	HI	Non-displayed order that receives price improvement, adds liquidity	0
BATS	2024.07	BATS Equities	HV	Non-displayed order, adds liquidity (Tape A)	-0.0008
BATS	2024.07	BATS Equities	HY	Non-displayed order, adds liquidity (Tape C) (subdollar)	0
BATS	2024.07	BATS Equities	HY	Non-displayed order, adds liquidity (Tape C)	-0.0008
BATS	2024.07	BATS Equities	N	Removes liquidity from BZX (Tape C)	0.003
BATS	2024.07	BATS Equities	N	Removes liquidity from BZX (Tape C) (subdollar)	0.003
BATS	2024.07	BATS Equities	V	Displayed order, adds liquidity to BZX (Tape A)	-0.0016
BATS	2024.07	BATS Equities	AN	Continuous Book Order that executed in the Opening or Closing Auction, BZX listed security	0.0006
BATS	2024.07	BATS Equities	V	Displayed order, adds liquidity to BZX (Tape A) (subdollar)	0
BATS	2024.07	BATS Equities	VI	Displayed order subject to price sliding that receives price improvement, adds liquidity	0
BATS	2024.07	BATS Equities	W	Removes liquidity from BZX (Tape A)	0.003
BATS	2024.07	BATS Equities	W	Removes liquidity from BZX (Tape A) (subdollar)	0.003
BATS	2024.07	BATS Equities	X	Routed, adds or removes liquidity	0.003
BATS	2024.07	BATS Equities	X	Routed, adds or removes liquidity (subdollar)	0.003
BATS	2024.07	BATS Equities	Y	Displayed order, adds liquidity to BZX (Tape C)	-0.0016
BATS	2024.07	BATS Equities	Y	Displayed order, adds liquidity to BZX (Tape C) (subdollar)	0
BATS	2024.07	BATS Equities	ZB	Retail Order, adds liquidity (Tape B)	-0.0032
BATS	2024.07	BATS Equities	ZB	Retail Order, adds liquidity (Tape B) (subdollar)	0
BATS	2024.07	BATS Equities	AN	Continuous Book Order that executed in the Opening or Closing Auction, BZX listed security (subdollar)	0.0006
BATS	2024.07	BATS Equities	ZR	Retail Order, removes liquidity	0.003
BATS	2024.07	BATS Equities	ZR	Retail Order, removes liquidity (subdollar)	0.00289
BATS	2024.07	BATS Equities	ZY	Retail Order, adds liquidity (Tape C)	-0.0032
BATS	2024.07	BATS Equities	ZY	Retail Order, adds liquidity (Tape C) (subdollar)	0
BATS	2024.07	BATS Equities	AO	Opening, IPO or Halt Auction, BZX listed security	0.00075
BATS	2024.07	BATS Equities	AO	Opening, IPO or Halt Auction, BZX listed security (subdollar)	0.00075
BATS	2024.07	BATS Equities	AP	Opening, IPO or Halt Auction, Late-Limit-On-Open order, BZX listed security (subdollar)	0.00075
BATS	2024.07	BATS Equities	B	Displayed order, adds liquidity to BZX (Tape B)	-0.0016
BATS	2024.07	BATS Equities	B	Displayed order, adds liquidity to BZX (Tape B) (subdollar)	0
BATS	2024.07	BATS Equities	BB	Removes liquidity from BZX (Tape B)	0.003