

# Miami International Holdings Reports November 2019 Trading Results for MIAX Exchange Group

**PRINCETON, N.J., Dec. 4, 2019** – Miami International Holdings, Inc. (MIH) today reported the November 2019 trading activity for its three fully electronic options exchanges – MIAX<sup>®</sup>, MIAX PEARL<sup>®</sup> and MIAX Emerald<sup>TM</sup> (together, the MIAX Exchange Group<sup>TM</sup>). The MIAX Exchange Group collectively executed over 35.8 million equity option contracts in November for a combined average daily volume (ADV) of 1,794,001 contracts, representing a total U.S. equity options market share of 10.03%.

Trading Volume for MIAX Exchange Group, Current Month						Year-to-Date Comparison		
Equity Options Contracts	Nov-19	Nov-18	% Chg.	Oct-19	% Chg.	Nov-19	Nov-18	% Chg.
Trading Days	20	21		23		231	232	
U.S. Equity Options Industry	357,882,106	383,838,299	-6.8%	402,970,144	-11.2%	4,046,750,305	4,195,598,364	-3.5%
MIAX Exchange Group	35,880,024	35,517,539	1.0%	41,770,074	-14.1%	403,150,105	384,599,678	4.8%
MIAX	15,451,719	15,275,068	1.2%	16,846,978	-8.3%	162,361,564	185,775,655	-12.6%
MIAX PEARL	17,121,215	20,242,471	-15.4%	21,308,131	-19.6%	215,287,832	198,824,023	8.3%
MIAX Emerald	3,307,090	-	-	3,614,965	-8.5%	25,500,709	-	-
Equity Options ADV	Nov-19	Nov-18	% Chg.	Oct-19	% Chg.	Nov-19	Nov-18	% Chg.
U.S. Equity Options Industry	17,894,105	18,278,014	-2.1%	17,520,441	2.1%	17,518,400	18,084,476	-3.1%
MIAX Exchange Group	1,794,001	1,691,311	6.1%	1,816,090	-1.2%	1,745,239	1,657,757	5.3%
MIAX	772,586	727,384	6.2%	732,477	5.5%	702,864	800,757	-12.2%
MIAX PEARL	856,061	963,927	-11.2%	926,440	-7.6%	931,982	857,000	8.7%
MIAX Emerald	165,355	-	-	157,172	5.2%	110,393	-	-

Equity Option Market Share for MIAX Exchange Group, Current Month						Year-to-Date Comparison		
Equity Options Market Share	Nov-19	Nov-18	% Chg.	Oct-19	% Chg.	Nov-19	Nov-18	% Chg.
MIAX Exchange Group	10.03%	9.25%	8.3%	10.37%	-3.3%	9.96%	9.17%	8.7%
MIAX	4.32%	3.98%	8.5%	4.18%	3.3%	4.01%	4.43%	-9.4%
MIAX PEARL	4.78%	5.27%	-9.3%	5.29%	-9.5%	5.32%	4.74%	12.3%
MIAX Emerald	0.92%	-	-	0.90%	3.0%	0.63%	-	-

#### Other news and achievements include:

## MIH

- Announced that it acquired a controlling interest in the Bermuda Stock Exchange.
- Announced that the Patent Trial and Appeal Board (PTAB) of the United States Patent and Trademark Office determined that all claims asserted by Nasdaq against MIH under U.S. Patent No. 7,933,827 are unpatentable under current law. A total of six patents were asserted by Nasdaq in its infringement complaint against MIH. The PTAB has now invalidated all claims asserted under these patents.

For further information regarding the MIAX Exchange Group, please visit <u>www.MIAXOptions.com</u> or contact MIAX Trading Operations at <u>TradingOperations@MIAXOptions.com</u>.

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## About MIH and the MIAX Exchange Group

Miami International Holdings, Inc. (MIH) is the parent holding company of Miami International Securities Exchange, LLC (MIAX<sup>®</sup>), MIAX PEARL, LLC (MIAX PEARL<sup>®</sup>) and MIAX Emerald, LLC (MIAX Emerald<sup>TM</sup> and together with MIAX and MIAX PEARL, the MIAX Exchange Group), three fully electronic options trading exchanges.

MIAX, MIAX PEARL and MIAX Emerald leverage the MIAX Exchange Group's industry-leading technology and infrastructure to provide their member firms with traditional pricing and pro rata allocation (MIAX), maker-taker pricing and price-time allocation (MIAX PEARL) market structures, and a hybrid market structure with maker-taker pricing and pro rata allocation (MIAX Emerald).

MIAX Options serves as the exclusive exchange venue for cash-settled options on the SPIKES<sup>®</sup> Volatility Index (Ticker: SPIKE), a measure of the expected 30-day volatility in the SPDR<sup>®</sup> S&P 500<sup>®</sup> ETF (SPY).

The MIAX Exchange Group's executive offices and National Operations Center are located in Princeton, NJ, with additional offices located in Miami, FL.

MIH also owns a controlling interest in the Bermuda Stock Exchange.

To learn more about MIH and the MIAX Exchange Group visit <u>www.MIAXOptions.com</u>.

#### **Disclaimer and Cautionary Note Regarding Forward-Looking Statements**

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