

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

**PRINCETON, N.J., Aug. 5, 2019** – Miami International Holdings, Inc. (MIH) today reported the July 2019 trading activity for its three fully electronic options exchanges – MIAX<sup>®</sup>, MIAX PEARL<sup>™</sup> and MIAX Emerald<sup>™</sup> (together, the MIAX Exchange Group<sup>™</sup>). The MIAX Exchange Group collectively executed over 33.5 million equity option contracts in July for a combined average daily volume (ADV) of 1,523,442 contracts, representing a total U.S. equity options market share of 9.37%.

Trading Volume for MIAX Exchange Group, Current Month						Year-to-Date Comparison		
Equity Options Contracts	Jul-19	Jul-18	% Chg.	Jun-19	% Chg.	Jul-19	Jul-18	% Chg.
Trading Days	22	21		20		146	146	
<b>U.S. Equity Options Industry</b>	357,634,292	333,216,875	7.3%	340,857,459	4.9%	2,506,434,279	2,612,913,055	-4.1%
<b>MIAX Exchange Group</b>	33,515,718	32,584,587	2.9%	32,754,753	2.3%	246,341,690	233,374,783	5.6%
<b>MIAX</b>	12,915,781	15,070,924	-14.3%	12,704,769	1.7%	100,255,581	117,943,007	-15.0%
<b>MIAX PEARL</b>	18,163,873	17,513,663	3.7%	17,626,201	3.1%	133,568,756	115,431,776	15.7%
<b>MIAX Emerald</b>	2,436,064	-	-	2,423,783	0.5%	12,517,353	-	-
Equity Options ADV	Jul-19	Jul-18	% Chg.	Jun-19	% Chg.	Jul-19	Jul-18	% Chg.
<b>U.S. Equity Options Industry</b>	16,256,104	15,867,470	2.4%	17,042,873	-4.6%	17,167,358	17,896,665	-4.1%
<b>MIAX Exchange Group</b>	1,523,442	1,551,647	-1.8%	1,637,738	-7.0%	1,687,272	1,598,457	5.6%
<b>MIAX</b>	587,081	717,663	-18.2%	635,238	-7.6%	686,682	807,829	-15.0%
<b>MIAX PEARL</b>	825,631	833,984	-1.0%	881,310	-6.3%	914,854	790,629	15.7%
<b>MIAX Emerald</b>	110,730	-	-	121,189	-8.6%	85,735	-	-

Equity Option Market Share for MIAX Exchange Group, Current Month						Year-to-Date Comparison		
Equity Options Market Share	Jul-19	Jul-18	% Chg.	Jun-19	% Chg.	Jul-19	Jul-18	% Chg.
<b>MIAX Exchange Group</b>	9.37%	9.78%	-4.2%	9.61%	-2.5%	9.83%	8.93%	10.0%
<b>MIAX</b>	3.61%	4.52%	-20.2%	3.73%	-3.1%	4.00%	4.51%	-11.4%
<b>MIAX PEARL</b>	5.08%	5.26%	-3.4%	5.17%	-1.8%	5.33%	4.42%	20.6%
<b>MIAX Emerald</b>	0.68%	-	-	0.71%	-4.2%	0.50%	-	-

For further information regarding the MIAX Exchange Group, please visit [www.MIAXOptions.com](http://www.MIAXOptions.com) or contact MIAX Trading Operations at [TradingOperations@MIAXOptions.com](mailto:TradingOperations@MIAXOptions.com).

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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>™</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 a Miami Operations Center and additional offices located in Miami, FL.

To learn more about MIH and the MIAX Exchange Group visit [www.MIAXOptions.com](http://www.MIAXOptions.com).

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