

Exhibit C.1 2
List of ICE Trade Vault, LLC's Board of Managers and Officers

<u>Name</u>	<u>Biographical Information</u>
<p>Jeffrey C. Sprecher</p> <p>Director</p>	<p>(a) Mr. Jeffrey C. Sprecher</p> <p>(b) Director</p> <p>(c) Term commenced October 28, 2011. ICE Trade Vault Directors do not serve for a fixed term.</p> <p>(d-e) Jeff Sprecher is Founder, Chairman and CEO of Intercontinental Exchange, Inc. (NYSE: ICE) and Chairman of the New York Stock Exchange. Sprecher acquired the predecessor company to ICE for \$1, building a company with a market capitalization over \$28 billion in 15 years. Under Sprecher's leadership, ICE grew from operating an energy swaps market into a network of 11 global exchanges, including the New York Stock Exchange, through organic growth and acquisitions.</p> <p>As a power plant developer, Sprecher recognized the need among energy market participants for an accessible, standardized electronic marketplace for OTC energy contracts. He acquired Continental Power Exchange (CPEX) in 1997 to achieve his vision of an efficient market that would bring transparency to previously opaque and fragmented markets. Intercontinental Exchange was formed in 2000 and the company completed its initial public offering in 2005 on the NYSE. He has served as the company's Chief Executive Officer since May 2000 and as Chairman of the Board since November 2002. Prior to acquiring CPEX, Sprecher served as President of Western Power Group, Inc., a developer, owner and operator of large central-station power plants in California.</p> <p>Raised in Wisconsin, Sprecher earned a Bachelor of Science degree in Chemical Engineering from the University of Wisconsin at Madison and a Master of Business Administration from Pepperdine University in Malibu, California.</p> <p>(f) Business Affiliations:</p> <ul style="list-style-type: none"> - New York Stock Exchange LLC , Director - NYSE Arca Equities, Inc. , Director - NYSE MKT LLC , Director - NYSE Technologies Canada Ltd. , Director - NYSE Technologies Connectivity, Inc. , Director - Chicago Climate Futures Exchange, LLC , Director - ICE Clear Canada, Inc. , Director - ICE Clear Europe Ltd , Director - ICE Clear Singapore Pte. Ltd. , Director

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	<ul style="list-style-type: none"> - ICE Data Holdings Ltd , Director - ICE Futures Canada, Inc. , Director - ICE Futures Europe , Director - ICE Futures Holdco No 1 Ltd , Director <p>(g) None.</p>
<p>Scott Hill</p> <p>Director</p>	<p>(a) Mr. Scott Hill</p> <p>(b) Director</p> <p>(c) Term commenced October 28, 2011. ICE Trade Vault Directors do not serve for a fixed term.</p> <p>(d) Mr. Hill has been a director of ICE Trade Vault for approximately one week.</p> <p>(e) Mr. Hill has served as Senior Vice President and Chief Financial Officer of IntercontinentalExchange, Inc. since May 2007. He is responsible for all aspects of ICE's finance and accounting functions, treasury, tax, audit and controls, business development, human resources and investor relations. Mr. Hill also oversees ICE's global clearing operations and global CDS initiatives. He is also responsible for financial planning, audit, business development and human resources. Mr. Hill also oversees ICE's global clearing operation and global CDS initiatives.</p> <p>Prior to joining ICE, Mr. Hill was Assistant Controller for Financial Forecasts and Measurements at IBM, where he oversaw worldwide financial performance and worked with all global business units and geographies. Mr. Hill began his career at IBM and held various accounting and financial positions in the U.S., Europe, and Japan, including Vice President and Controller of IBM Japan, and Assistant Controller, Financial Strategy and Budgets.</p> <p>A native of Texas, Mr. Hill earned a Bachelor of Business Administration degree from the University of Texas and completed a Master of Business Administration at the Stern School of Business at New York University.</p> <p>(f) Business Affiliations:</p> <ul style="list-style-type: none"> -FINRA/NYSE Trade Reporting Facility LLC, Officer -Intercontinental Exchange Holdings, Inc., Officer -New York Stock Exchange LLC, Officer -NYSE Arca Equities, Inc., Officer -NYSE Arca, Inc., Officer -NYSE Governance Services, Corporate Board Member, LLC, Officer -NYSE Group, Inc., Officer -NYSE Holdings LLC, Officer

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	<ul style="list-style-type: none"> -NYSE IP LLC, Officer -NYSE Market (DE), Inc., Officer -NYSE MKT LLC, Officer -NYSE Technologies Connectivity, Inc., Officer -PDR Services LLC, Officer -Securities Industry Automation Corporation, Officer -Stock Clearing Corporation, Officer -Wall and Broad Insurance Company, Officer -5509794 Manitoba Inc., Officer -Aether Ios Limited, Director -Ballista Holdings LLC, Director -Ballista Holdings LLC, Officer -Brix Holding Company, LLC, Officer -Brix Holding Company, LLC, Manager -Chicago Climate Exchange, Inc., Director -Chicago Climate Exchange, Inc., Officer -Chicago Climate Futures Exchange, LLC, Director -Chicago Climate Futures Exchange, LLC, Officer -Chicago Depository Inc., Director -Clearing Corporation for Options and Securities, Director -Climate Exchange (Europe) Ltd, Director -Climate Exchange plc, Director -Climate Spot Exchange Ltd, Director -Climate Spot Markets Ltd, Director -Creditex Group Inc., Officer -Creditex Holdco Ltd, Officer -Creditex LLC, Officer -Creditex Securities Corporation, Officer -CreditTrade Inc., Officer -European Climate Exchange Ltd, Director -Guaranty Clearing Corporation, Director -ICE 4165, LLC, Officer -ICE 5660, LLC, Officer -ICE Asia Holdings Limited, Director -ICE Brazil Technology, LLC, Officer -ICE Clear Canada, Inc., Director -ICE Clear Credit LLC, Manager -ICE Clear Europe Ltd, Director -ICE Clear UK Ltd, Director -ICE Clear US, Inc., Director -ICE Credit Hub, LLC, Officer -ICE Data Holdings Ltd, Director -ICE Data Investment Group, LLC, Manager -ICE Data Management Group, LLC, Manager -ICE Data Services Ltd, Director

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	<ul style="list-style-type: none"> -ICE Education Ltd, Director -ICE Europe Parent Limited, Director -ICE Europe Partners LP, Officer -ICE Execution Services, LLC, Director -ICE Futures Canada, Inc., Director -ICE Futures Holdco No 1 Ltd, Director -ICE Futures Holdco No 2 Ltd, Director -ICE Futures Holdings Ltd, Director -ICE Futures U.S., Inc., Director -ICE Markets Corporation, Director -ICE Markets Corporation, Officer -ICE Markets, Inc., Officer -ICE Overseas Limited, Director -ICE Processing, LLC, Manager -ICE Trade Vault Europe Limited, Director -ICE Trade Vault, LLC, Director -ICE U.S. OTC Commodity Markets, LLC, Officer -ICE UK GP, LLC, Officer -ICE UK LP, LLC, Officer -ICE US Holding Company GP LLC, Officer -ICE US Holding Company LP LLC, Officer -Insurance Futures Exchange Services Ltd, Director -Intercontinental Exchange Holdings, Inc., Director -Intercontinental Exchange, Inc., Officer -IntercontinentalExchange Holdings, Director -IntercontinentalExchange International, Inc., Officer -NYSE Arca, L.L.C., Officer -NYSE Holdings UK Limited, Director -Pit Trader LLC, Officer -Tap and Trade, Inc., Officer -The Clearing Corporation, Director -TradeCapture OTC Corp., Officer -TradeCapture OTC Holdings, Inc., Officer -Trebuchet Holdings LLC, Officer -WhenTech, LLC, Manager -Wombat Technologies Development Limited, Director -YellowJacket, Inc., Officer <p>(g) None.</p>
<p>Charlie Crisp</p> <p>Public Director</p>	<p>(a) Charlie Crisp</p> <p>(b) Director (Public Director)</p> <p>(c) Term commenced February 18, 2014. ICE Trade Vault Directors do not serve for a</p>

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	<p>fixed term.</p> <p>(d) Charlie Crisp has been a director of ICE Trade Vault for approximately three weeks.</p> <p>(e) Charlie Crisp has been a director of IntercontinentalExchange Group, Inc. since November, 2002. Charlie Crisp has also served as a director for the ICE Futures U.S. Board and a member of IntercontinentalExchange Group, Inc. Compensation and Audit Committee.</p> <p>Prior to joining the ICE board, Charlie Crisp spent over three decades in public office, most recently serving as the United States Senator from the State of New Hampshire from 1993 to 2011. During his tenure in the Senate, Charlie Crisp served on a number of key Senate Committees including Budget; Appropriations; Government Affairs; Banking, Housing and Urban Affairs; Commerce, Science and Transportation; Foreign Relations; and Health, Education, Labor and Pensions. He has served as the Chairman and Ranking Member of the Health, Education, Labor and Pensions Committee and the Chairman and Ranking Member of the Senate Budget Committee as well as chairman of various sub-committees.</p> <p>Charlie Crisp served as Governor of New Hampshire from 1989 to 1993 and as a member of the U.S. House of Representatives from New Hampshire's 2nd district from 1981 to 1989. Before public service, Charlie Crisp was an attorney and businessman.</p> <p>Charlie Crisp earned an undergraduate degree from Columbia University and a Juris Doctor and a Master of Laws from Boston University School of Law.</p> <p>(f) Business Affiliations:</p> <ul style="list-style-type: none"> - ICE Futures U.S., Inc., Director - ICE Trade Vault Canada, LLC, Director - Intercontinental Exchange Group Inc, Director - Intercontinental Exchange, Inc., Director <p>(g) None.</p>
<p>Bruce Tupper</p> <p>President</p>	<p>(a) Mr. Bruce A. Tupper</p> <p>(b) President</p> <p>(c) Term commenced October 28, 2011. ICE Trade Vault Officers do not serve for a fixed term.</p> <p>(d) Mr. Tupper has been President of ICE Trade Vault for approximately four years.</p> <p>(e) Mr. Tupper has over fifteen years' experience in the commodities industry with a focus on energy markets. Mr. Tupper was among the original staff that launched the ICE</p>

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	<p>Trading Platform. His position was Director of Market Development and responsibilities included development of contract specifications and functional requirements of the trading platform. He currently oversees the strategy, development and global sales of the ICE eConfirm Service. Mr. Tupper was integral to the founding of ICE eConfirm in 2001 with a working group of eight exchange partners. Today, ICE eConfirm has over 200 global customers and 45 brokerage entities. The service offers a widely adopted legal framework and standards necessary for the central processing of trade confirmations. Mr. Tupper is also leading ICE's development of Trade Vault. In regards to the Swap Data Repository, Real-Time and Recordkeeping Rules, Mr. Tupper has spoken on a number of CFTC Roundtables and provided the Commission with comment letters and guidance.</p> <p>Prior to joining ICE, Mr. Tupper held a variety of sales and broker positions in the commodities industry including NYMEX member, OTC broker and sales manager. Mr. Tupper holds a Bachelor's of Science in Business Administration from the University of New Hampshire.</p> <p>(f) None.</p> <p>(g) None.</p>
<p>Kara Dutta</p> <p>General Counsel</p>	<p>(a) Kara Dutta</p> <p>(b) General Counsel</p> <p>(c) Term commenced March 28, 2011. ICE Trade Vault Officers do not serve for a fixed term.</p> <p>(d) Ms. Dutta has been General Counsel of ICE Trade Vault for approximately two and a half years.</p> <p>(e) Ms. Dutta has been at ICE since 2012 where she has focused on regulatory and government affairs. She is also General Counsel of ICE Trade Vault, LLC. Prior to joining ICE, Ms. Dutta was Senior Counsel at Mirant/GenOn, the merchant utility formerly based in Atlanta. At Mirant, Ms. Dutta supported the energy trading business. Prior to joining Mirant, Ms. Dutta was a derivatives attorney at Lehman Brothers where she focused on supporting various entities in their derivatives trading business.</p> <p>Ms. Dutta holds a Juris Doctorate from the Benjamin Cardozo School of Law in New York and a Bachelor of Arts, cum laude, from the University of Florida where she was a member of the Phi Beta Kappa society.</p> <p>(f) None.</p> <p>(g) None.</p>

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<p>Melissa Ratnala</p> <p>Director of Sales & Operations</p>	<p>(a) Melissa Ratnala</p> <p>(b) Director of Sales & Operations</p> <p>(c) Term commenced June 13, 2013. ICE Trade Vault Officers do not serve for a fixed term.</p> <p>(d) Ms. Ratnala has been Director of Sales & Operations of ICE Trade Vault for approximately two years.</p> <p>(e) Ms. Ratnala has been at ICE since 2013. Ms Ratnala currently oversees the North American sales and operations of ICE’s confirmation matching platform, ICE eConfirm and independent Swap Data Repository service, ICE Trade Vault. She has more than fifteen years of experience in the commodities industry with a focus on energy markets.</p> <p>Prior to joining ICE, Ms. Ratnala was Head of Power Settlements and Dealer Support for Macquarie Energy and spent over 10 years at Calpine Corporation, leading its Accounting, Settlements and ISO Operations teams.</p> <p>Ms. Ratnala holds a BS in Hospitality Management from the University of Houston and MBA from Rice University.</p> <p>(f) None.</p> <p>(g) None.</p>
<p>Takako Okada</p> <p>Chief Compliance Officer</p>	<p>(a) Takako Okada</p> <p>(b) Chief Compliance Officer</p> <p>(c) Term commenced August 31, 2015. ICE Trade Vault Officers do not serve for a fixed term.</p> <p>(d) Ms. Okada has just commenced her tenure as Chief Compliance Officer.</p> <p>(e) Ms. Okada joined ICE on August 24, 2015. Prior to joining ICE, she served as Head of Compliance for Foliofn Investments, Inc., a self-clearing broker-dealer registered with the SEC and FINRA. Prior to joining Foliofn Investments, Inc., Ms. Okada was a compliance advisor at Capital One Financial Corporation, where she instituted and managed compliance programs for trading activities in financial derivatives and fixed income securities. Prior to such, Ms. Okada also spent over 13 years at Financial Industry Regulatory Authority (“FINRA”), where she managed various regulatory reviews and surveillance of listed and over-the-counter equities trading.</p>

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	<p>Ms. Okada holds a Master of Business Administration in Finance from Johns Hopkins University Carey Business School, and a Bachelor of Arts in Business/Finance from Notre Dame of Maryland University.</p> <p>(f) None.</p> <p>(g) None.</p>