

1666 K Street NW Washington, DC 20006 Office: (202) 207-9100 www.pcaobus.org

## List of Brokers and Dealers with No Outstanding Past-Due Share of the Broker-Dealer Accounting Support Fee

## **Determination of Payment under PCAOB Rule 7104(b)**

## As of May 01, 2025

The following is a list of brokers and dealers that have been assessed and have no outstanding past-due share of the broker-dealer accounting support fee of the Public Company Accounting Oversight Board ("PCAOB"), as of May 01, 2025. <sup>1</sup>/

A registered public accounting firm may take the inclusion of a broker or dealer on this list as an indication that the broker or dealer has no outstanding past-due share of the broker-dealer accounting support fee for purposes of PCAOB Rule 7104(b).

This list will be updated at least bi-weekly. If a registered public accounting firm cannot obtain a representation from the broker or dealer or cannot determine by reviewing the list below whether the broker or dealer has no past-due share of the accounting support fee outstanding, the registered public accounting firm may contact the staff by phone at 1-202-207-9294 (Business Days: 9:00 a.m. to 5:00 p.m. ET) or by email at <a href="mailto:confirm@pcaobus.org">confirm@pcaobus.org</a>.

If you believe a broker or dealer has been excluded from this list in error, please contact the staff by phone at 1-202-207-9294 (Business Days: 9:00 a.m. to 5:00 p.m. ET) or by email at confirm@pcaobus.org.

Additional information about the broker-dealer accounting support fee and the funding process is available in the Frequently Asked Questions ("FAQs") available in the Accounting Support Fee section of the PCAOB's Web site

(http://pcaobus.org/About/Administration/SupportFee/Pages/BDSupportFeeFAQ.aspx).

Just because a broker or dealer does not appear on this list does not mean that the broker or dealer has outstanding a past-due share of the broker-dealer accounting support fee. Many "brokers" or "dealers," as such terms are defined in the Sarbanes-Oxley Act and the Board's rules, are not allocated a share of the broker-dealer accounting support fee under the Board's funding rules and therefore are not on this list even though they have outstanding no past-due share of the accounting support fee. In addition, payments are received periodically by the PCAOB and are not reflected on this list until it is next updated. For more information regarding the determination of payment of accounting support fees by registered accounting firms, please see rule 7104(b).

2021 CAPITAL, LLC 280 SECURITIES LLC 303 EQUITY TRADING GROUP II, LLC A. R. SCHMEIDLER & CO., INC. A.B. FINANCIAL L.L.C. A.G.P. / ALLIANCE GLOBAL PARTNERS, LLC AARDVARK SECURITIES LLC **ABBEY NATIONAL SECURITIES** INC. ABEL NOSER, LLC. ABEL/NOSER CORP. ABG SUNDAL COLLIER INC. ABN AMRO CAPITAL MARKETS (USA) LLC ABN AMRO CLEARING USA LLC ABN AMRO SECURITIES (USA) ABSA SECURITIES U.S. INC. ACADEMY SECURITIES, INC. ACCESS SECURITIES, LLC ACORNS SECURITIES, LLC ADELPHI STOCK BROKERS INC. ADP BROKER-DEALER, INC. **ADVISORS ASSET** MANAGEMENT, INC. AEGIS CAPITAL CORP. AERIS PARTNERS LLC AIG FINANCIAL SECURITIES CORP. AK CAPITAL LLC **AKUNA SECURITIES LLC** ALADDIN CAPITAL LLC ALANTRA, LLC **ALLEN & COMPANY LLC ALLIANCEBERNSTEIN** INVESTMENTS. INC. ALLIANZ LIFE FINANCIAL SERVICES, LLC

**ALLSPRING FUNDS** DISTRIBUTOR, LLC ALLSTATE FINANCIAL SERVICES, LLC ALLSTON TRADING LLC ALLY INVEST SECURITIES LLC **ALLY SECURITIES LLC** ALPACA SECURITIES LLC **ALPINE SECURITIES** CORPORATION ALTERNA SECURITIES, INC. ALTRUIST FINANCIAL LLC **ALVAREZ & MARSAL** SECURITIES, LLC AMERANT INVESTMENTS, INC. AMERICA'S GROWTH CAPITAL, LLC AMERICAN CENTURY INVESTMENT SERVICES, INC. AMERICAN ENTERPRISE INVESTMENT SERVICES INC. AMERICAN PORTFOLIOS FINANCIAL SERVICES, INC. AMERIPRISE FINANCIAL SERVICES, LLC AMERITAS INVESTMENT COMPANY, LLC AMERIVET SECURITIES, INC. **AMHERST SECURITIES** GROUP, L.P. AMS DERIVATIVES B.V. AMUNDI DISTRIBUTOR US, INC. AMUNI FINANCIAL, INC. ANGEL ISLAND CAPITAL SERVICES, LLC ANZ SECURITIES, INC. **AON SECURITIES LLC** APERTURE, LLC APEX CLEARING CORPORATION

APOLLO GLOBAL SECURITIES, LLC APTO PARTNERS, LLC AQR INVESTMENTS, LLC AQUILO PARTNERS, L.P. ARBOR RESEARCH & TRADING, LLC ARCA CAPITAL INVESTMENTS, INC. ARCHIPELAGO SECURITIES L.L.C. ARCHIPELAGO TRADING SERVICES, INC. ARCOLA SECURITIES, INC. ARDEA PARTNERS LP ARIEL DISTRIBUTORS, LLC ARTIST CAPITAL LLC ARVEST INVESTMENTS, INC. ARXIS SECURITIES LLC ASCENSUS BROKER DEALER SERVICES, LLC ASHMORE INVESTMENT MANAGEMENT (US) CORPORATION ASL CAPITAL MARKETS INC. ASPEN TRADING, L.L.C ASSOCIATED INVESTMENT SERVICES, INC. ASSOCIATED OPTIONS, INC. ATHENE SECURITIES, LLC ATLANTIC - PACIFIC CAPITAL, INC. ATLAS ONE FINANCIAL GROUP, LLC ATLAS TECHNOLOGY GROUP LLC ATM EXECUTION LLC **AUERBACH GRAYSON &** COMPANY LLC AURIGA USA, LLC AUTOMATED TRADING DESK BROKERAGE SERVICES, LLC

**AUTONOMOUS RESEARCH AVANTAX INVESTMENT** SERVICES, INC. AVATAR CAPITAL GROUP LLC AVATAR SECURITIES, LLC AVM, L.P. B. C. ZIEGLER AND COMPANY B. RILEY SECURITIES, INC. **B. RILEY WEALTH** MANAGEMENT, INC. BAADER HELVEA INC. BAKER TILLY CAPITAL, LLC **BALANCE SHEET SOLUTIONS** LLC **BANC OF AMERICA** SPECIALIST, INC. **BANCO DO BRASIL SECURITIES LLC** BANCO VOTORANTIM SECURITIES, INC. BANCROFT CAPITAL, LLC **BANCWEST INVESTMENT** SERVICES, INC. **BANORTE SECURITIES** INTERNATIONAL LTD BARCLAYS CAPITAL INC. BARON CAPITAL, INC. **BB&T INVESTMENT** SERVICES, INC. **BB&T SECURITIES, LLC BBVA COMPASS** INVESTMENT SOLUTIONS, INC. BBVA SECURITIES INC. **BBVA SECURITIES OF PUERTO** RICO, INC. **BC PARTNERS SECURITIES LLC** BCP SECURITIES, INC. BCS AMERICAS, INC. **BDT & MSD PARTNERS, LLC** 

BEDROK SECURITIES LLC

L.P.

BELLE HAVEN INVESTMENTS,

BELVEDERE TRADING LLC BENCHMARK SECURITIES, LLC BENGAL CAPITAL TRADING LLC BENGAL CAPITAL, LLC BENJAMIN F. EDWARDS & COMPANY, INC. BERENBERG CAPITAL MARKETS LLC BERENSON & COMPANY, LLC BERKSHIRE GLOBAL ADVISORS LP BERNARD HEROLD & CO., INC. **BESTEX RESEARCH** SECURITIES, LLC BETA CAPITAL SECURITIES LLC BETHESDA SECURITIES, LLC **BEXIL SECURITIES LLC** BGC FINANCIAL, L.P. BIDS TRADING L.P. **BLACKARCH SECURITIES LLC BLACKROCK CAPITAL** MARKETS, LLC **BLACKROCK EXECUTION SERVICES BLACKROCK FUND** DISTRIBUTION COMPANY BLACKROCK INVESTMENTS, LLC **BLACKSTONE SECURITIES** PARTNERS L.P. BLAYLOCK VAN, LLC BLOOMBERG TRADEBOOK LLC BLUE CAPITAL GROUP LLC BLUE FIRE CAPITAL, LLC **BLUEFIN CAPITAL** MANAGEMENT, LLC **BMO CAPITAL MARKETS** 

**BMO CAPITAL MARKETS** GKST INC. **BMO HARRIS FINANCIAL** ADVISORS, INC. **BMO INVESTMENT** DISTRIBUTORS, LLC **BMO NESBITT BURNS** SECURITIES LTD. **BMO NESBITT BURNS** TRADING CORP. S.A. **BNP PARIBAS PRIME** BROKERAGE, INC. **BNP PARIBAS SECURITIES** CORP. **BNY MELLON CAPITAL** MARKETS, LLC **BNY MELLON SECURITIES** CORPORATION **BOENNING &** SCATTERGOOD, INC. BOFA DISTRIBUTORS, INC. BOFA SECURITIES PRIME, INC. BOFA SECURITIES, INC. **BOK FINANCIAL SECURITIES,** INC. **BOLTON GLOBAL CAPITAL** BONDS.COM, INC. BOREAL CAPITAL SECURITIES LLC **BOSTON PARTNERS** SECURITIES, L.L.C. **BOUSTEAD SECURITIES, LLC BRADESCO INVESTMENTS** INC. BRADESCO SECURITIES, INC. **BRANDT EQUITIES LLC BRASIL PLURAL SECURITIES** LLC **BRAVER STERN SECURITIES** LLC BREAN CAPITAL, LLC **BREX TREASURY LLC** 

CORP.

BRICKELL GLOBAL MARKETS, INC. **BRIGHT TRADING, LLC** BRIGHTHOUSE SECURITIES, LLC **BROADHAVEN SECURITIES** LLC **BROADRIDGE BUSINESS** PROCESS OUTSOURCING, LLC **BROKERTEC AMERICAS LLC BROOKFIELD OAKTREE** WEALTH SOLUTIONS LLC **BROOKFIELD PRIVATE ADVISORS LLC** BROWN, GIBBONS, LANG & COMPANY SECURITIES, LLC **BROWNSTONE INVESTMENT** GROUP, LLC BTG PACTUAL US CAPITAL, LLC BTIG, LLC **BUCKLER SECURITIES LLC** BUILDER ADVISOR GROUP, LLC **BURKE & QUICK PARTNERS** LLC BYRD TRADING, LLC C&C TRADING L.L.C. C. L. KING & ASSOCIATES, INC. C6 CAPITAL SECURITIES LLC CABRERA CAPITAL MARKETS, CADARET, GRANT & CO., INC. CAIN BROTHERS & COMPANY, LLC CAIS CAPITAL LLC **CALAMOS FINANCIAL** SERVICES LLC **CALVERT INVESTMENT** DISTRIBUTORS, INC. CAMBRIDGE INTERNATIONAL

SECURITIES, INC.

CAMBRIDGE INVESTMENT RESEARCH, INC. CAMPBELL LUTYENS & CO. INC. CANACCORD GENUITY LLC **CANACCORD GENUITY** SECURITIES LLC CANACCORD WEALTH MANAGEMENT (USA) INC. CANTOR FITZGERALD & CO. CAPITAL BROKERAGE CORPORATION CAPITAL CLIENT GROUP, INC. CAPITAL INSTITUTIONAL SERVICES, INC. CAPITAL ONE INVESTING, LLC CAPITAL ONE SECURITIES, INC. **CARILLON FUND** DISTRIBUTORS, INC. CARNEGIE, INC. CARTA CAPITAL MARKETS, LLC CARTY & COMPANY, INC. CASCADIA CAPITAL, LLC **CASGRAIN & COMPANY** (USA) LIMITED CASTLEOAK SECURITIES, LP CBOE TRADING, INC. CBRE CAPITAL ADVISORS, INC. CC CAPITAL ADVISORS, INC. CCB INTERNATIONAL OVERSEAS (USA) INC. CCS TRANSACTIONS, LLC CENTAURUS FINANCIAL, INC. **CENTERVIEW PARTNERS LLC CETERA ADVISOR NETWORKS** LLC **CETERA ADVISORS LLC CETERA FINANCIAL** 

CF SECURED, LLC CGIS SECURITIES LLC CHAMPLAIN ADVISORS, LLC CHARDAN CAPITAL MARKETS LLC CHARLES RIVER BROKERAGE, CHARLES SCHWAB & CO., INC. **CHASE INVESTMENT** SERVICES CORP. CHICAGO CAPITAL MANAGEMENT, L.P. CHIMERA SECURITIES, LLC CHINA RENAISSANCE SECURITIES (US) INC. CHOPPER SECURITIES, LLC CIBC WORLD MARKETS CORP. CICC US SECURITIES, INC. CIMB SECURITIES (USA), INC. CITADEL CLEARING LLC CITADEL SECURITIES INSTITUTIONAL LLC CITADEL SECURITIES LLC CITI ORDER ROUTING AND EXECUTION, LLC CITIC SECURITIES INTERNATIONAL USA, LLC CITICORP SECURITIES SERVICES, INC. CITIGROUP DERIVATIVES MARKETS INC. CITIGROUP GLOBAL MARKETS INC. CITIZENS CAPITAL MARKETS, INC. CITIZENS JMP SECURITIES, CITIZENS SECURITIES, INC. CITY NATIONAL SECURITIES, INC. CITY SECURITIES CORPORATION

SPECIALISTS LLC

SERVICES LLC

**CETERA INVESTMENT** 

CLARK SECURITIES, INC. **CLARKSON CAPITAL** MARKETS LLC CLARKSONS SECURITIES, INC. CLASS VI SECURITIES, LLC **CLEAR STREET LLC CLEARPOOL EXECUTION** SERVICES, LLC CLEARY GULL INC. **CLEVELAND RESEARCH** COMPANY LLC **CLIFTONLARSONALLEN** WEALTH ADVISORS, LLC CLSA AMERICAS, LLC CMCJL, LLC CME BD SERVICES, INC. CMG SECURITIES LLC CMT TRADING LLC CMZ TRADING, LLC COASTAL SECURITIES, INC. COBRA TRADING, INC. **CODE ADVISORS LLC** COGNITIVE CAPITAL, LLC **COHEN & COMPANY CAPITAL** MARKETS, LLC **COHEN & COMPANY** SECURITIES, LLC **COHEN & STEERS** SECURITIES, LLC COHNREZNICK CAPITAL MARKETS SECURITIES, LLC **COLLIERS SECURITIES LLC COLLINS/BAY ISLAND** SECURITIES, LLC **COLUMBIA MANAGEMENT** INVESTMENT DISTRIBUTORS, INC. COMERICA SECURITIES, INC. **COMMERCE BROKERAGE** SERVICES, INC. **COMMERZ MARKETS LLC** 

COMMONFUND SECURITIES.

INC.

COMMONWEALTH **AUSTRALIA SECURITIES LLC COMMONWEALTH EQUITY** SERVICES, LLC COMPASS POINT RESEARCH & TRADING, LLC CONCOURSE FINANCIAL **GROUP SECURITIES, INC. CONTINUITY PARTNERS** GROUP, LLC **COREBRIDGE CAPITAL** SERVICES, INC. **CORMARK SECURITIES (USA) LIMITED** CORNERSTONE MACRO LLC CORNERSTONE TRADING, LLC **CORTVIEW CAPITAL** SECURITIES LLC COWEN AND COMPANY, LLC **COWEN EQUITY FINANCE LP COWEN EXECUTION** SERVICES LLC **COWEN PRIME SERVICES LLC CP COGENT SECURITIES LP** CRAIG-HALLUM CAPITAL **GROUP LLC** CREDICORP CAPITAL LLC **CREDIT AGRICOLE** CHEUVREUX NORTH AMERICA, INC. CREDIT AGRICOLE SECURITIES (USA) INC. CREDIT SUISSE CAPITAL LLC **CREDIT SUISSE PRIME** SECURITIES SERVICES (USA) LLC **CREDIT SUISSE PRIVATE ADVISORS AG CREDIT SUISSE SECURITIES** 

CROSSTREE CAPITAL SECURITIES, LLC CROWELL, WEEDON & CO. CRT CAPITAL GROUP LLC CSCA CAPITAL ADVISORS, LLC CSP SECURITIES, LP CSS, LLC CT COLLATERAL FUNDING, LLC CTC, LLC CUNA BROKERAGE SERVICES, INC. CURIAN CLEARING, LLC CURTISWOOD CAPITAL, LLC **CURVATURE SECURITIES LLC** CUSO FINANCIAL SERVICES, L.P. CUTLER GROUP, LLC **CUTWATER ASSET** MANAGEMENT CORP. CYNDX ADVISORS LLC D.A. DAVIDSON & CO. D.M. KELLY & COMPANY DAHLMAN ROSE & COMPANY, LLC DAIWA CAPITAL MARKETS AMERICA INC. DAIWA CORPORATE ADVISORY LLC DANSKE MARKETS INC. DASH FINANCIAL TECHNOLOGIES LLC **DAVENPORT & COMPANY** LLC DAVID LERNER ASSOCIATES, INC. DAVIS DISTRIBUTORS, LLC **DAVY SECURITIES** DAWSON JAMES SECURITIES, INC. **DB SECURITIES SERVICES NJ** INC. DBO PARTNERS LLC

CREWS & ASSOCIATES, INC.

CRITICALPOINT PARTNERS

CRITICAL TRADING. LLC

(USA) LLC

LLC

DBS VICKERS SECURITIES (USA) INC.

DEALERWEB INC.

DELANEY EQUITY GROUP LLC DELAWARE DISTRIBUTORS,

L.P.

**DELOITTE CORPORATE** 

FINANCE LLC

DESJARDINS SECURITIES INTERNATIONAL INC.

**DEUTSCHE BANK SECURITIES** 

INC.

**DEVELOPMENT** 

CORPORATION FOR ISRAEL DIFFUSION MARKETS, L.L.C.

DIGITAL BROKERAGE

**SERVICES LLC** 

**DIMENSION TRADING** 

GROUP, LLC

**DINOSAUR FINANCIAL** 

GROUP, L.L.C

DIRECT EDGE ECN LLC DIRECTED SERVICES LLC DNB MARKETS, INC. DOFT & CO., INC.

DOUGH LLC

**DOWLING & PARTNERS** 

SECURITIES LLC

DREXEL HAMILTON, LLC
DRIEHAUS SECURITIES LLC

DRIVEWEALTH
INSTITUTIONAL LLC
DRIVEWEALTH, LLC

DRW EXECUTION SERVICES,

LLC

DRW SECURITIES, L.L.C. DUNDEE SECURITIES INC.

DV EQUITIES, LLC DV SECURITIES, LLC

DVB CAPITAL MARKETS LLC DWS DISTRIBUTORS, INC.

DZ FINANCIAL MARKETS LLC

E\*TRADE CLEARING LLC E\*TRADE SECURITIES LLC E.J. DE LA ROSA & CO., INC. EARLYBIRDCAPITAL, INC.

EAST WEST MARKETS, LLC EASTDIL SECURED ADVISORS

LLC

EATON PARTNERS, LLC

EATON VANCE DISTRIBUTORS, INC.

**EBX LLC** 

ECHOTRADE LLC
EDGEMONT CAPITAL

PARTNERS, L.P.

EDWARD D. JONES & CO.,

L.P.

**EFG CAPITAL** 

INTERNATIONAL CORP.
EG MARKET TECHNOLOGIES

LLC

ELECTRONIC TRANSACTION

CLEARING, INC.

**ELEQUIN SECURITIES LLC** 

ELEVATION, LLC EMBED CLEARING LLC EMMET & CO, INC. EMPIRICAL RESEARCH

PARTNERS LLC

EMPOWER FINANCIAL

SERVICES, INC.

EPOCH SECURITIES, INC.

EQUATEX US INC EQUILEND LLC

EQUITABLE ADVISORS, LLC EQUITABLE DISTRIBUTORS,

LLC

**EQUITEC PROPRIETARY** 

MARKETS, LLC

EQUITEC SPECIALISTS, LLC EQUITYZEN SECURITIES LLC ERNST & YOUNG CAPITAL

ADVISORS, LLC

ESL INVESTMENT SERVICES,

LLC

ESTRADA HINOJOSA & COMPANY, INC.

ETC BROKERAGE SERVICES,

LLC

EVERCORE GROUP L.L.C.

EXANE, INC.

**EXECUTION ACCESS, LLC** 

EXOTIX USA INC.

FACTSET DATA SYSTEMS,

INC.

FAGENSON & CO., INC.
FAIRMOUNT PARTNERS LP
FARMERS FINANCIAL
SOLUTIONS, LLC
FELTL & COMPANY

**FHN FINANCIAL SECURITIES** 

CORP.

FIDELITY BROKERAGE

SERVICES LLC

FIDELITY DISTRIBUTORS

COMPANY LLC

FIDELITY DISTRIBUTORS

CORPORATION

FIDELITY PRIME FINANCING,

LLC

FIFTH THIRD SECURITIES,

INC.

FIG PARTNERS, LLC

FINANCIAL NORTHEASTERN

SECURITIES, INC.

FIRST ALLIED SECURITIES,

INC.

FIRST ANALYSIS SECURITIES

CORPORATION

FIRST BALLANTYNE, LLC FIRST BANKERS' BANC SECURITIES, INC

FIRST BROKERS SECURITIES

LLC

FIRST CITIZENS CAPITAL

SECURITIES, LLC

FIRST CITIZENS INVESTOR

SERVICES, INC.

**FIRST CITIZENS SECURITIES** 

CORPORATION
FIRST CLEARING, LLC

FIRST COMMAND BROKERAGE SERVICES, INC. FIRST DERIVATIVE TRADERS, L.P. FIRST EMPIRE SECURITIES, FIRST HORIZON ADVISORS, FIRST MANHATTAN SECURITIES LLC FIRST NATIONAL CAPITAL MARKETS, INC. FIRST NEW YORK SECURITIES L.L.C. FIRST REPUBLIC SECURITIES COMPANY, LLC FIRST SOUTHWEST COMPANY, LLC FIRST TRUST PORTFOLIOS L.P. FIRST TRYON SECURITIES, LLC FIRST WINSTON SECURITIES, INC. FIRSTRADE SECURITIES INC. FIS BROKERAGE & **SECURITIES SERVICES LLC** FIXED INCOME CAPITAL PARTNERS, LLC FLEXTRADE LLC FLORIDA ATLANTIC SECURITIES CORP. FLOURISH FINANCIAL LLC FLOW TRADERS U.S. INSTITUTIONAL TRADING LLC FLOW TRADERS U.S. LLC FM PARTNERS HOLDINGS LLC FMI CAPITAL ADVISORS, INC. FMSBONDS, INC. FOCALPOINT SECURITIES, LLC FOLGER NOLAN FLEMING **DOUGLAS INCORPORATED** FOLIO INVESTMENTS, INC. FORESTERS FINANCIAL SERVICES, INC.

**FORETHOUGHT** DISTRIBUTORS, LLC FORGE MARKETS LLC FORGE SECURITIES LLC FOX RIVER EXECUTION TECHNOLOGY, LLC FRANKLIN DISTRIBUTORS, LLC FRANKLIN/TEMPLETON DISTRIBUTORS, INC. FRED ALGER & COMPANY, LLC FREEDOM INVESTMENTS, INC. FROST BROKERAGE SERVICES, INC. FS INVESTMENT SOLUTIONS, LLC **FSC SECURITIES** CORPORATION **FSP INVESTMENTS LLC** FT GLOBAL CAPITAL, INC. FTI CAPITAL ADVISORS, LLC FTP SECURITIES LLC **FUTU CLEARING INC** G-2 TRADING,LLC **G-BAR LIMITED PARTNERSHIP** G-TRADE SERVICES LLC G1 EXECUTION SERVICES, LLC **G2 TRADING LLC** GAGNON SECURITIES, LLC **GALAXY DIGITAL PARTNERS** LLC GALLAGHER SECURITIES, INC **GARGOYLE STRATEGIC INVESTMENTS L.L.C.** GBM INTERNATIONAL, INC. GBS RETIREMENT SERVICES, INC. GDK, INC.

GEORGE K. BAUM & COMPANY **GEORGESON SECURITIES** CORPORATION **GETCO EXECUTION SERVICES** LLC GETCO SECURITIES, LLC **GFI SECURITIES LLC** GILDER GAGNON HOWE & CO. LLC **GLEACHER & COMPANY** SECURITIES, INC. GLICKENHAUS & CO. **GLOBAL ALTERNATIVE** INVESTMENT SERVICES, INC. **GLOBAL EXECUTION** BROKERS, LP GLOBAL HUNTER SECURITIES, GMP SECURITIES, LLC GOLDMAN SACHS & CO. LLC **GOLDMAN SACHS** EXECUTION & CLEARING, L.P. GOLDMAN SACHS FINANCIAL MARKETS, L.P. GORDON DYAL & CO., LLC GP BULLHOUND INC. GRAY WHALE CAPITAL, LLC GREAT POINT CAPITAL LLC GREEN PIER FINTECH LLC GREEN STREET ADVISORS, LLC GREENHILL & CO., LLC GREENSLEDGE CAPITAL MARKETS LLC GRIFFIN CAPITAL SECURITIES, LLC GRIFFIN FINANCIAL GROUP, GRIFFITHS MCBURNEY CORP. GROUP ONE TRADING, L.P. GROVE POINT INVESTMENTS, LLC

GE CAPITAL MARKETS, INC.

GENESIS CAPITAL, LLC

**GTS EXECUTION SERVICES** LLC **GTS SECURITIES LLC GUARDIAN INVESTOR** SERVICES LLC **GUGGENHEIM** DISTRIBUTORS, LLC **GUGGENHEIM FUNDS** DISTRIBUTORS, LLC **GUGGENHEIM INVESTOR** SERVICES, LLC GUGGENHEIM SECURITIES, LLC **GUZMAN & COMPANY GWN SECURITIES INC.** GX2 SPREAD MARKETS, LLC H.C.WAINWRIGHT & CO., LLC **H2C SECURITIES INC.** HAITONG INTERNATIONAL SECURITIES (USA) INC. HAITONG SECURITIES USA LLC HALES SECURITIES, LLC HANCOCK WHITNEY INVESTMENT SERVICES INC. HANDELSBANKEN MARKETS SECURITIES, INC. HANTZ FINANCIAL SERVICES, INC. HAP TRADING, LLC HAPOALIM SECURITIES USA, INC. HARD EIGHT TRADING, LLC HARDCASTLE TRADING USA L.L.C. HARRIS WILLIAMS LLC HARTFORD FUNDS DISTRIBUTORS, LLC HAYWOOD SECURITIES (USA) INC. HBK GLOBAL SECURITIES L.P. HEALTHCARE COMMUNITY SECURITIES CORP.

HEFREN-TILLOTSON, INC.

HENNION & WALSH, INC. HERBERT J. SIMS & CO, INC. HFF SECURITIES L.P. HIGHTOWER SECURITIES, LLC HILLTOP SECURITIES INC. HOLD BROTHERS CAPITAL HOME FINANCIAL SERVICES, INC. HORNOR, TOWNSEND & KENT, LLC HOULIHAN LOKEY ADVISORS, LLC HOULIHAN LOKEY CAPITAL, INC. HOVDE GROUP, LLC **HOWARD WEIL INCORPORATED HOWDEN TIGER CAPITAL** MARKETS & ADVISORY, LLC HPS SECURITIES, LLC HRT EXECUTION SERVICES LLC HRT FINANCIAL LP HSBC SECURITIES (USA) INC. **HUATAI SECURITIES (USA),** INC. **HUB INTERNATIONAL** INVESTMENT SERVICES INC. **HULL PARTNERS LLC HUNT FINANCIAL** SECURITIES, LLC **HUNTINGTON SECURITIES,** INC. IB CAPITAL LLC **IBERIA CAPITAL PARTNERS** L.L.C. **IBKR SECURITIES SERVICES** LLC **IBS HOLDING CORPORATION** ICAPITAL MARKETS LLC **ICBC STANDARD SECURITIES** 

**ICE BONDS SECURITIES** CORPORATION ICE SECURITIES EXECUTION & CLEARING, LLC ICM SECURITIES, LLC ICR CAPITAL LLC IDB CAPITAL CORP. **IEX SERVICES LLC** IFC HOLDINGS, INC. IMA WEALTH, INC. **IMC EXECUTION SERVICES** LLC IMC SECURITIES LLC IMC-CHICAGO, LLC IMPERIAL CAPITAL, LLC **INCENTER SECURITIES GROUP LLC** INCENTRUM SECURITIES, LLC INDEPENDENCE POINT SECURITIES LLC INDEPENDENT FINANCIAL GROUP, LLC **INDUSTRIAL AND** COMMERCIAL BANK OF CHINA FINANCIAL SERVICES LLC ING FINANCIAL MARKETS LLC INGALLS & SNYDER, LLC INSIGNEO INTERNATIONAL FINANCIAL SERVICES LLC INSIGNEO SECURITIES, LLC **INSPEREX LLC** INSTITUTIONAL CASH DISTRIBUTORS, LLC INTELLIGENT CROSS LLC INTERACTIVE BROKERS CORP. INTERACTIVE BROKERS LLC INTERCOASTAL CAPITAL MARKETS, INC. INTERNATIONAL STRATEGY & INVESTMENT GROUP LLC INTESA SANPAOLO IMI SECURITIES CORP.

INC.

**INTL FILLMORE ADVISORS** LLC INTREPID INVESTMENT **BANKERS LLC** INTREPID PARTNERS, LLC **INVEMED ASSOCIATES LLC** INVESCO CAPITAL MARKETS, INVESCO DISTRIBUTORS, INC. INVESTACORP, INC. INVESTEC SECURITIES (US) LLC **INVESTMENT CENTERS OF** AMERICA, INC. INVESTMENT DISTRIBUTORS, INC. INVESTMENT PLACEMENT **GROUP** INVEX, LLC. ITAU BBA USA SECURITIES, INC. ITAU INTERNATIONAL SECURITIES INC. IVY DISTRIBUTORS, INC. J. WOOD CAPITAL ADVISORS LLC J.J.B. HILLIARD, W.L. LYONS, J.P. MORGAN CLEARING CORP. J.P. MORGAN INSTITUTIONAL INVESTMENTS INC. J.P. MORGAN PRIME INC. J.P. MORGAN SECURITIES LLC J.V.B. FINANCIAL GROUP, LLC J.W. COLE FINANCIAL, INC. JACKSON NATIONAL LIFE DISTRIBUTORS LLC JAG TRADING L.L.C. JANE STREET CAPITAL, LLC JANE STREET EXECUTION SERVICES, LLC

JANE STREET MARKETS, LLC

JANNEY MONTGOMERY SCOTT LLC JANUS HENDERSON **DISTRIBUTORS US LLC** JEFFERIES BACHE SECURITIES, LLC JEFFERIES EXECUTION SERVICES, INC. JEFFERIES HIGH YIELD TRADING, LLC JEFFERIES LLC JOE JOLLY & CO., INC. JOHN HANCOCK **DISTRIBUTORS LLC** JOHN HANCOCK INVESTMENT MANAGEMENT DISTRIBUTORS LLC **JOHNSON RICE & COMPANY** L.L.C. JONES LANG LASALLE SECURITIES, LLC JONESTRADING INSTITUTIONAL SERVICES LLC JPMORGAN DISTRIBUTION SERVICES, INC. JUMP EXECUTION, LLC JUMP TRADING, LLC JVB FINANCIAL GROUP, LLC JWTT INC. **KBC SECURITIES USA LLC KBFG SECURITIES AMERICA** INC. KEEFE, BRUYETTE & WOODS, INC. KEPLER CAPITAL MARKETS, INC. **KESTRA INVESTMENT** SERVICES, LLC **KEY INVESTMENT SERVICES** LLC **KEYBANC CAPITAL MARKETS** INC. KEZAR TRADING, LLC

KGS-ALPHA CAPITAL MARKETS, L.P. KIPPSDESANTO & COMPANY KKR CAPITAL MARKETS II LLC KKR CAPITAL MARKETS LLC KMS FINANCIAL SERVICES, INC. KNIGHT CAPITAL AMERICAS, L.P. KOYOTE TRADING LLC KPMG CORPORATE FINANCE LLC KROLL SECURITIES LLC L.J. HART AND COMPANY LADDER CAPITAL SECURITIES LLC LADENBURG THALMANN & CO. INC. LAFISE SECURITIES LLC LAKE STREET CAPITAL MARKETS, LLC LAKESHORE SECURITIES, L.P. LASALLE INVESTMENT **MANAGEMENT** DISTRIBUTORS, LLC LATOUR TRADING LLC LAVAFLOW, INC. LAZARD FRERES & CO. LLC LAZARD MIDDLE MARKET LLC LEERINK PARTNERS LLC LEK SECURITIES CORPORATION LEONIS SECURITIES, LLC LFT SECURITIES, LLC LIFESCI CAPITAL, LLC LIGHTSPEED FINANCIAL SERVICES GROUP LLC LIME TRADING CORP LINCOLN FINANCIAL DISTRIBUTORS, INC. LINCOLN INTERNATIONAL LLC LINCOLN INVESTMENT PLANNING, LLC

LIONTREE ADVISORS LLC LIQUIDITYEDGE, LLC. LIQUIDNET, INC. LIQUIDPOINT, LLC LLOYDS SECURITIES INC. **LOEB PARTNERS** CORPORATION LOMBARD ODIER TRANSATLANTIC LIMITED LOOP CAPITAL MARKETS LLC LORD ABBETT DISTRIBUTOR LLC LPL FINANCIAL LLC **LUMA SECURITIES LLC** LUMENT SECURITIES, LLC LUPO SECURITIES, LLC M&I FINANCIAL ADVISORS, INC. M&T SECURITIES, INC. M1 FINANCE LLC M3 INVESTMENT GROUP LLC MACQUARIE CAPITAL MARKETS NORTH AMERICA

LTD.
MACRO RISK ADVISORS LLC
MAN INVESTMENTS INC.
MAPLE SECURITIES U.S.A.
INC.
MARATHON CAPITAL
MARKETS, LLC

MAREX CAPITAL MARKETS

INC.
MAREX NORTH AMERICA

MARIVA CAPITAL MARKETS,

LLC

MARKETAXESS CORPORATION MARKS BAUGHAN SECURITIES LLC

SECURITIES LLC

MARSHBERRY CAPITAL, LLC. MATTHEWS SOUTH, LLC MAXIM GROUP LLC

MBS CAPITAL MARKETS, LLC

MBX CLEARING LLC MCADAMS WRIGHT RAGEN,

INC. MCAP LLC

**MEDIOBANCA SECURITIES** 

USA LLC

MERCER ALLIED COMPANY,

L.P.

MERCHANT CAPITAL, L.L.C. MERIDIAN CAPITAL LLC MERRILL LYNCH FINANCIAL

MARKETS, INC. MERRILL LYNCH

PROFESSIONAL CLEARING

CORP.

MERRILL LYNCH, PIERCE, FENNER & SMITH

INCORPORATED

MERUS CAPITAL PARTNERS,

LLC

MESIROW FINANCIAL, INC.
METLIFE INVESTORS
DISTRIBUTION COMPANY
MFR SECURITIES, INC.
MFS FUND DISTRIBUTORS,

INC.

MICROVENTURE MARKETPLACE INC.

MIDDLEGATE SECURITIES

INC.

MIDLAND SECURITIES, LTD MILLBURN RIDGEFIELD

**CORPORATION** 

MILLCO ADVISORS, LP

MILLENNIUM ADVISORS, LLC MILLER BUCKFIRE & CO., LLC

MILLER TABAK + CO., LLC

MINT BROKERS

MIRAE ASSET SECURITIES

(USA) INC.

MIRAE ASSET WEALTH
MANAGEMENT (USA) INC.
MISCHLER FINANCIAL

GROUP, INC.

MITCHELL ENERGY ADVISORS, LLC MIURA CAPITAL, LLC MIZUHO SECURITIES

CANADA INC.

MIZUHO SECURITIES USA LLC

MKM PARTNERS LLC MMA SECURITIES LLC MMC SECURITIES LLC

MML INVESTORS SERVICES,

LLC

MND PARTNERS, INC.
MOCHO TRADING LLC
MOELIS & COMPANY LLC
MOG CAPITAL L.L.C.

MOMENTUS SECURITIES LLC MONEX SECURITIES, INC. MONEY CONCEPTS CAPITAL

**CORP** 

MONTEC SECURITIES LLC
MONTMINY SECURITIES, LLC
MOOMOO FINANCIAL INC.
MOORELAND PARTNERS LLC
MOORS & CABOT, INC.

MOORS & CABOT, IN MORGAN JOSEPH TRIARTISAN LLC MORGAN KEEGAN & COMPANY, LLC

MORGAN STANLEY & CO. LLC

MORGAN STANLEY DISTRIBUTION, INC.

MORGAN STANLEY SMITH

**BARNEY LLC** 

MORNINGSTAR INVESTMENT

SERVICES LLC

MOTIF INVESTING, INC.
MOUNTAINSIDE SECURITIES

LLC

MOUNTAINVIEW SECURITIES, LLC

MPS GLOBAL SECURITIES, LLC MS SECURITIES SERVICES

INC. MSEC, LLC

MSI FINANCIAL SERVICES, INC. MTG, LLC MTS SECURITIES, LLC **MUFG AMERICAS** CORPORATE ADVISORY, INC. **MUFG SECURITIES AMERICAS** INC. MULTI-BANK SECURITIES, INC. MURIEL SIEBERT & CO., LLC MUTUAL OF AMERICA LIFE **INSURANCE COMPANY** N. B. ZOULLAS SECURITIES, INC. N.A. INVESTCORP LLC N.I.S. FINANCIAL SERVICES, INC. NABSECURITIES, LLC NASDAQ EXECUTION SERVICES, LLC NASDAQ OPTIONS SERVICES, LLC NATALLIANCE SECURITIES, LLC NATHAN HALE CAPITAL, LLC NATIONAL BANK OF CANADA FINANCIAL INC. NATIONAL FINANCIAL SERVICES LLC NATIONAL PLANNING CORPORATION NATIONAL SECURITIES **CORPORATION** NATIONWIDE FUND DISTRIBUTORS LLC NATIXIS DERIVATIVES INC. NATIXIS DISTRIBUTION, LLC **NATIXIS SECURITIES** AMERICAS LLC **NATWEST MARKETS** SECURITIES INC. NAVY FEDERAL INVESTMENT

SERVICES, LLC

NBC SECURITIES, INC. NBF SECURITIES (USA) CORP. NEEDHAM & COMPANY, LLC **NELNET CAPITAL LLC NETWORK 1 FINANCIAL** SECURITIES INC. NEUBERGER BERMAN BD LLC **NEUBERGER BERMAN** MANAGEMENT LLC **NEW ENGLAND SECURITIES** CORPORATION NEWEDGE SECURITIES, INC. NEWEDGE USA, LLC **NEWPORT GROUP** SECURITIES, INC. **NEXBANK SECURITIES INC** NFSTX, LLC NH INVESTMENT & SECURITIES AMERICA, INC. NOLITA CAPITAL, LLC NOMURA GLOBAL FINANCIAL PRODUCTS INC. NOMURA GREENTECH CAPITAL ADVISORS, LLC NOMURA SECURITIES INTERNATIONAL, INC. NOMURA SECURITIES NORTH AMERICA, LLC NORDEA SECURITIES LLC NORTH BRIDGE CAPITAL, LLC NORTH POINT MERGERS AND ACQUISITIONS, INC. NORTHERN TRUST SECURITIES, INC. NORTHLAND SECURITIES, INC. NORTHSTAR SECURITIES, LLC NORTHWESTERN MUTUAL INVESTMENT SERVICES, LLC NUMIS SECURITIES INC. NUVEEN SECURITIES, LLC NYLIFE SECURITIES LLC O'NEIL SECURITIES

OASIS PRO MARKETS LLC **OBD SECURITIES LLC** OCTEG, LLC ODDO BHF NEW YORK CORPORATION ODEON CAPITAL GROUP LLC OHIO NATIONAL EQUITIES, INC. OLD MISSION CAPITAL, LLC OLD MISSION MARKETS LLC ONEAMERICA SECURITIES, INC. ONPEAK CAPITAL LLC OPEN TO THE PUBLIC INVESTING, INC. **OPENDOOR SECURITIES LLC** OPPENHEIMER & CO. INC. **OPPENHEIMERFUNDS** DISTRIBUTOR, INC. OPTIONSHOUSE, LLC OPTIONSXPRESS, INC. OPTIVER EXECUTION SERVICES LLC OPTIVER US LLC ORIENTAL FINANCIAL SERVICES LLC OSAIC FA, INC. OSAIC FS, INC. OSAIC INSTITUTIONS, INC. OSAIC SERVICES, INC. OSAIC WEALTH, INC. **OSCAR GRUSS & SON INCORPORATED** OTA LLC OTC LINK LLC P.J. ROBB VARIABLE, LLC PACER FINANCIAL, INC. PACIFIC CENTURY SECURITIES, LLC PACIFIC CREST SECURITIES LLC PACIFIC SELECT DISTRIBUTORS, LLC PALAFOX TRADING LLC

**INCORPORATED** 

PARADIGM EQUITIES, INC. PARETO SECURITIES INC. **PARIS SECURITIES** CORPORATION PARK AVENUE SECURITIES LLC PARK HILL REAL ESTATE **GROUP LLC** PARK SUTTON SECURITIES, LLC PARKLAND SECURITIES, LLC PAULSON INVESTMENT **COMPANY LLC PAYCHEX SECURITIES** CORPORATION PEAK6 CAPITAL MANAGEMENT LLC PEAK6 PERFORMANCE MANAGEMENT LLC PEAK6 VEGA MASTER FUND LLC PENSON FINANCIAL SERVICES, INC. PEOPLE'S SECURITIES, INC. PERELLA WEINBERG PARTNERS LP PERFORMANCE TRUST CAPITAL PARTNERS, LLC PERSHING ADVISOR **SOLUTIONS LLC** PERSHING LLC PFM FUND DISTRIBUTORS, PFS INVESTMENTS INC. PGM GLOBAL INC. PHILLIP CAPITAL INC. PHOENIX DERIVATIVES GROUP, LLC PHX FINANCIAL, INC. PICTET OVERSEAS INC. PIMCO INVESTMENTS LLC PIPELINE TRADING SYSTEMS LLC

PIPER SANDLER & CO.

PJT PARTNERS LP PLANMEMBER SECURITIES **CORPORATION** PMA SECURITIES, LLC PNC CAPITAL MARKETS LLC PNC INVESTMENTS LLC POPULAR SECURITIES, LLC PORTIGON SECURITIES INC. POTAMUS TRADING, LLC PRAGMA LLC PRECISION SECURITIES, LLC PREFERRED CAPITAL SECURITIES, LLC **PRICEWATERHOUSECOOOPE** RS CORPORATE FINANCE LLC PRIME CAPITAL MARKETS, LLC PRIME DEALER SERVICES CORP. PRIMERICA BROKERAGE SERVICES, INC. PRINCIPAL FUNDS DISTRIBUTOR, INC. PRINCIPAL SECURITIES, INC. PROBITAS FUNDS GROUP, LLC PROSPERA FINANCIAL SERVICES, INC. PRUCO SECURITIES, LLC. PRUDENTIAL ANNUITIES DISTRIBUTORS, INC. PRUDENTIAL INVESTMENT MANAGEMENT SERVICES LLC PTR, INC. PUBLIC VENTURES, LLC PULSE TRADING, INC. **PUNDION LLC** PURESTREAM, LLC **PUTNAM RETAIL** MANAGEMENT LIMITED **PARTNERSHIP** 

QUAD SECURITIES LLC QUANTITATIVE BROKERS, LLC QUANTLAB SECURITIES LP QUASAR DISTRIBUTORS, LLC QUESTAR CAPITAL CORPORATION QUIET LIGHT SECURITIES, LLC R. F. LAFFERTY & CO., INC. R. SEELAUS & CO., LLC R.W.PRESSPRICH & CO. RABO SECURITIES USA, INC. RAFFERTY CAPITAL MARKETS, LLC RAINE SECURITIES LLC RAINIER SECURITIES, LLC RAMAT SECURITIES LTD. **RAYMOND JAMES &** ASSOCIATES, INC. RAYMOND JAMES (USA) LTD. RAYMOND JAMES FINANCIAL SERVICES, INC. RAYMOND JAMES INSURANCE GROUP, INC. RB INTERNATIONAL MARKETS (USA) LLC RBC CAPITAL MARKETS, LLC RBC CMA LLC RCI LIMITED PARTNERSHIP REALCADRE LLC RED CEDAR TRADING, LLC REDBIRD BD, LLC REDBURN (USA) LLC **REDI GLOBAL TECHNOLOGIES** LLC REGAL SECURITIES, INC. **REGIONS SECURITIES LLC** RELATED FINANCIAL SERVICES, LLC RENCAP SECURITIES, INC. REPUBLIC PARTNERS, LLC RESOLUTE INVESTMENT DISTRIBUTORS, INC. REUTERS TRANSACTION SERVICES LLC

QATALYST PARTNERS LP

Q ADVISORS LLC

QUAD CAPITAL, LLC

**RGM SECURITIES, LLC RIVERSOURCE** DISTRIBUTORS, INC. RIVERSTONE CAPITAL SERVICES LLC ROBERT W. BAIRD & CO. **INCORPORATED** ROBINHOOD FINANCIAL, LLC ROBINHOOD SECURITIES, LLC ROCKEFELLER FINANCIAL LLC RODMAN & RENSHAW, LLC RONIN CAPITAL, LLC **ROOSEVELT & CROSS, INCORPORATED ROSELAINE SECURITIES LLC** ROSENBLATT SECURITIES INC. **ROSENTHAL GLOBAL** SECURITIES LLC ROSS, SINCLAIRE & ASSOCIATES, LLC ROTH CAPITAL PARTNERS, LLC ROTHSCHILD & CO US INC. ROYCE FUND SERVICES, LLC RQD\* CLEARING, LLC **RUANE, CUNNIFF & GOLDFARB LLC RUSSELL INVESTMENTS** FINANCIAL SERVICES, LLC RUSSELL INVESTMENTS IMPLEMENTATION SERVICES, SABADELL SECURITIES USA, INC. SAFRA SECURITIES LLC SAL EQUITY TRADING, GP SAMCO CAPITAL MARKETS, INC. SAMI BROKERAGE LLC SAMMONS FINANCIAL NETWORK, LLC SAMSUNG SECURITIES (AMERICA), INC.

COMPANY, INC. **SANDERS MORRIS HARRIS** INC. SANDLER, O'NEILL & PARTNERS, L.P. SANFORD C. BERNSTEIN & CO., LLC SANTANDER INTERNATIONAL SECURITIES, INC. SANTANDER INVESTMENT SECURITIES INC. SANTANDER SECURITIES LLC SANTANDER US CAPITAL MARKETS LLC SAYBRUS EQUITY SERVICES, INC SBERBANK CIB USA, INC SCHRODER FUND ADVISORS LLC SCOTIA CAPITAL (USA) INC. SCOTT & STRINGFELLOW, LLC SCOTTRADE, INC. SCOUT TRADING, LLC **SEA OTTER SECURITIES GROUP LLC** SEAPORT GLOBAL SECURITIES LLC SEAPORT SECURITIES CORP. SEARLE & CO. SEATTLE-NORTHWEST **SECURITIES CORPORATION** SEB SECURITIES, INC. SECURIAN FINANCIAL SERVICES, INC. SECURITIES AMERICA, INC. **SECURITIES MANAGEMENT** AND RESEARCH, INC. SECURITIES SERVICE NETWORK, LLC SECURITY DISTRIBUTORS, LLC **SEI INVESTMENTS** 

SAMUEL A. RAMIREZ &

SENTINEL FINANCIAL SERVICES COMPANY SENVEST INTERNATIONAL L.L.C. SETTER CAPITAL INC. SEVEN POINTS CAPITAL, LLC SG AMERICAS SECURITIES, LLC SHAY FINANCIAL SERVICES, INC. SHEA & COMPANY, LLC SHEARMAN, RALSTON INC. SHELBY CULLOM DAVIS & CO., L.P. SIEBERT WILLIAMS SHANK & CO., LLC SIERRA PACIFIC SECURITIES, LLC SIG BROKERAGE, LP SIGMA FINANCIAL CORPORATION SIGNAL HILL CAPITAL GROUP LLC SIGNATOR INVESTORS, INC. SII INVESTMENTS, INC. SIMMONS & COMPANY INTERNATIONAL SIMMONS FIRST INVESTMENT GROUP, INC. SIMON MARKETS LLC SIMPLEX TRADING, LLC SIXPOINT PARTNERS LLC SMBC NIKKO SECURITIES AMERICA, INC. SMBC NIKKO SECURITIES CANADA, LTD. SOFI SECURITIES LLC SOLEBURY CAPITAL LLC SOLOMON PARTNERS SECURITIES, LLC SOUTH STREET SECURITIES LLC

SOUTHSTATE | DUNCANWILLI

AMS SECURITIES CORP.

DISTRIBUTION CO.

SPARTAN CAPITAL SECURITIES, LLC SPC CAPITAL MARKETS LLC SPHINX TRADING, LP SPIDERROCK EXS, LLC SPOT TRADING L.L.C. SPROTT GLOBAL RESOURCE **INVESTMENTS LTD** SPURRIER CAPITAL PARTNERS LLC SS&C MARKET SERVICES, LLC STANDARD CHARTERED **SECURITIES NORTH AMERICA** LLC STANDARD CREDIT SECURITIES INC. STANDARD NEW YORK, INC. STASH CAPITAL LLC STATE FARM VP MANAGEMENT CORP. STATE STREET GLOBAL ADVISORS FUNDS DISTRIBUTORS, LLC STATE STREET GLOBAL MARKETS, LLC STEBEN & COMPANY, LLC STEPHENS INC. STERLING, GRACE **MUNICIPAL SECURITIES CORPORATION** STERN BROTHERS & CO. STERNE, AGEE & LEACH, INC. STEWARD PARTNERS INVESTMENT SOLUTIONS, LLC STIFEL, NICOLAUS & COMPANY, INCORPORATED STOCKCROSS FINANCIAL SERVICES, INC. STOEVER, GLASS & COMPANY INC. STONE & YOUNGBERG LLC STONEPEAK SECURITIES LLC

STONEX FINANCIAL INC.

STORMHARBOUR SECURITIES STOUT CAPITAL, LLC STRATEGAS SECURITIES, LLC STUART FRANKEL & CO., **INCORPORATED** STUDENT OPTIONS, LLC SUMMIT BROKERAGE SERVICES, INC. **SUMMIT SECURITIES GROUP** LLC SUMO CAPITAL, LLC SUMRIDGE PARTNERS, LLC SUN LIFE FINANCIAL DISTRIBUTORS, INC. SUNGARD INSTITUTIONAL BROKERAGE INC. SUNRISE BROKERS LLC SUSQUEHANNA FINANCIAL GROUP, LLLP SUSQUEHANNA SECURITIES, LLC **SVB INVESTMENT SERVICES** INC. SVB SECURITIES, A NON-BANK AFFILIATE OF SILICON VALLEY BANK SWBC INVESTMENT SERVICES, LLC SWEDBANK SECURITIES US, LLC **SWENEY CARTWRIGHT & COMPANY SWISS RE CAPITAL MARKETS** CORPORATION SYCAMORE FINANCIAL **GROUP** SYNOVUS SECURITIES, INC. SYSTEMATIZED BENEFITS ADMINISTRATORS, INC. T. ROWE PRICE INVESTMENT SERVICES. INC. T.R. WINSTON & COMPANY,

T3 TRADING GROUP, LLC TALCOTT RESOLUTION DISTRIBUTION COMPANY, INC. TASTYTRADE, INC. TCBI SECURITIES, INC. TCG CAPITAL MARKETS L.L.C. TD AMERITRADE CLEARING, INC. TD AMERITRADE, INC. TD PRIME SERVICES LLC TD SECURITIES (USA) LLC TD SECURITIES AUTOMATED TRADING LLC TEACHERS PERSONAL INVESTORS SERVICES, INC. TELEMETRY SECURITIES, **TELSEY ADVISORY GROUP** TFS DERIVATIVES LLC THE BAKER GROUP, LP THE BANK STREET GROUP L.L.C. THE BENCHMARK COMPANY, LLC THE BUCKINGHAM RESEARCH GROUP **INCORPORATED** THE GMS GROUP, LLC THE HUNTINGTON INVESTMENT COMPANY THE KLEIN GROUP, LLC THE LEADERS GROUP, INC. THE O.N. EQUITY SALES COMPANY THE VERTICAL TRADING GROUP, LLC THE WILLIAMS CAPITAL GROUP, L.P. THINKEQUITY LLC THOMA BRAVO CAPITAL MARKETS, LLC

LLC

THOMAS WEISEL PARTNERS LLC THREE BROTHERS TRADING, LLC THRIVENT DISTRIBUTORS, THRIVENT INVESTMENT MANAGEMENT INC. TIAA-CREF INDIVIDUAL & INSTITUTIONAL SERVICES, LLC TIBRA TRADING AMERICA LLC **TICONDEROGA SECURITIES** LLC **TIGRESS FINANCIAL** PARTNERS, LLC TM CAPITAL CORP. TMC BONDS L.L.C. TMT INVESTMENTS, LLC TORO TRADING LLC TOUCHSTONE SECURITIES, INC. TOURMALINE PARTNERS, LLC TOWER PRINCIPAL MARKETS LLC TOWER SQUARE SECURITIES, INC. **TOWERS WATSON CAPITAL** MARKETS INC. TOYOTA FINANCIAL SERVICES SECURITIES USA CORPORATION TP ICAP GLOBAL MARKETS AMERICAS LLC TPG CAPITAL BD, LLC TRADE INFORMATICS LLC TRADE-PMR INC.

TRADEBOT SYSTEMS, INC.

TRADELINK SECURITIES, LLC

TRADESTATION SECURITIES,

TRADEUP SECURITIES, INC.

TRADELINK L.L.C.

INC.

TRADEWEB DIRECT LLC TRADEWEB L.L.C TRADITION SECURITIES AND **DERIVATIVES LLC** TRANSAMERICA CAPITAL, INC. TRANSAMERICA FINANCIAL ADVISORS, INC TRANSAMERICA INVESTORS **SECURITIES CORPORATION** TRANSMARKET GROUP L.L.C. TRC MARKETS LLC TRIAD ADVISORS LLC TRIBAL CAPITAL MARKETS, LLC TRIPLETREE, LLC TRUIST INVESTMENT SERVICES, INC. TRUIST SECURITIES, INC. TRUMID FINANCIAL LLC **TUDOR PICKERING HOLT &** CO ADVISORS LP TUDOR, PICKERING, HOLT & CO. SECURITIES, LLC **TULLETT PREBON FINANCIAL** SERVICES LLC TWEEDY, BROWNE **COMPANY LLC** TWO RIVERS TRADING **GROUP LLC** TWO SIGMA SECURITIES, LLC TZ CLEAR LLC U.S. BANCORP ADVISORS, LLC U.S. BANCORP INVESTMENTS, INC. **UBS ASSET MANAGEMENT** 

UMB FINANCIAL SERVICES, INC. UNICREDIT CAPITAL MARKETS LLC UNITED BROKERAGE SERVICES, INC UNITED CAPITAL MARKETS, INC. UNITED PLANNERS' FINANCIAL SERVICES OF AMERICA A LIMITED PARTNER UNIVEST SECURITIES, LLC US TIGER SECURITIES, INC. USAA FINANCIAL ADVISORS, INC. **USAA INVESTMENT SERVICES** COMPANY **UVEST FINANCIAL SERVICES** GROUP, INC. VALIC FINANCIAL ADVISORS, INC. VALLEY FINANCIAL MANAGEMENT, INC. VALLEY FORGE ASSET MANAGEMENT, LLC **VAN ECK SECURITIES** CORPORATION VAN LANSCHOT KEMPEN (USA) INC. VANAHEIM SECURITIES, LLC VANGUARD MARKETING CORPORATION VAQUERO CAPITAL LLC VECTORGLOBAL WMG, INC. VELOCITY CAPITAL, LLC VELOCITY CLEARING, LLC VELOX CLEARING LLC VICENTE & PARTNERS LLC VIEWTRADE SECURITIES, INC. VINING-SPARKS IBG, LLC VIRTU AMERICAS LLC VIRTU FINANCIAL BD LLC

**UBS FINANCIAL SERVICES** 

**UBS FINANCIAL SERVICES** 

**UBS SECURITIES LLC** 

INCORPORATED OF PUERTO

(US) INC.

INC.

RICO

VIRTU FINANCIAL CAPITAL

MARKETS LLC

VIRTU ITG LLC

VIRTUS CAPITAL MARKETS

LLC

VISION FINANCIAL MARKETS

LLC

VISTA POINT ADVISORS, LLC

**VOLANT LIQUIDITY, LLC** 

VOYA FINANCIAL ADVISORS,

INC.

VOYA FINANCIAL PARTNERS,

LLC

**VOYA INVESTMENTS** 

DISTRIBUTOR, LLC VOYA RETIREMENT

ADVISORS, LLC

VP DISTRIBUTORS LLC

VRA PARTNERS, LLC WACHTEL & CO., INC.

WADDELL & REED, INC.

WAKE USA LLC

WALL STREET ACCESS

WALLACHBETH CAPITAL LLC

WALLEYE TRADING LLC

WALNUT STREET SECURITIES,

INC.

WEALTHFRONT BROKERAGE

LLC

WEBULL FINANCIAL LLC

WEDBUSH SECURITIES INC.

WEEDEN & CO.L.P.

WELLINGTON SHIELDS & CO.,

LLC

WELLS FARGO ADVISORS

FINANCIAL NETWORK, LLC

WELLS FARGO CLEARING

SERVICES, LLC

WELLS FARGO

INSTITUTIONAL SECURITIES,

LLC

WELLS FARGO PRIME

SERVICES, LLC

WESTMINSTER RESEARCH

ASSOCIATES LLC

WESTPAC CAPITAL MARKETS

LLC

WILLIAM BLAIR & COMPANY

L.L.C.

WILLIAMS TRADING LLC

WILMINGTON BROKERAGE

**SERVICES COMPANY** 

WILSON-DAVIS & CO., INC.

WINTRUST INVESTMENTS

LLC

**WOLVERINE EXECUTION** 

SERVICES, LLC

WOLVERINE SECURITIES, LLC WOLVERINE TRADING, LLC

WOODBURY FINANCIAL

SERVICES, INC.

WOODROCK SECURITIES, L.P.

WORLD GROUP SECURITIES,

INC.

WR SECURITIES, LLC

WSA FIXED INCOME, LLC

XAMBALA CAPITAL, LLC

XMS CAPITAL PARTNERS, LLC

XP INVESTMENTS US, LLC

**XR SECURITIES LLC** 

XTELLUS CAPITAL PARTNERS,

INC.

XTX EXECUTION SERVICES

LLC

XTX MARKETS LLC

ZEBED SECURITIES, LLC ZELMAN PARTNERS, LLC

ZEUS FINANCIAL, LLC

ZIONS DIRECT, INC.

ZIV INVESTMENT COMPANY