
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 16, 2022

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 16, 2022.^{1/}

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 confirm@pcaobus.org.

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>).

^{1/} 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).

Public Company Accounting Oversight Board
 Brokers and Dealers With No Outstanding
 Past-Due Share as of May 16, 2022

	*	*	*
280 SECURITIES LLC	AMERICA'S GROWTH	ARDEA PARTNERS LP	
303 EQUITY TRADING GROUP	CAPITAL, LLC	ARIEL DISTRIBUTORS, LLC	
II, LLC	AMERICAN CENTURY	ARVEST INVESTMENTS, INC.	
A. R. SCHMEIDLER & CO.,	INVESTMENT SERVICES, INC.	ARXIS SECURITIES LLC	
INC.	AMERICAN ENTERPRISE	ASCENSUS BROKER DEALER	
A.B. FINANCIAL L.L.C.	INVESTMENT SERVICES INC.	SERVICES, INC.	
A.G.P. / ALLIANCE GLOBAL	AMERICAN FUNDS	ASHMORE INVESTMENT	
PARTNERS CORP.	DISTRIBUTORS, INC.	MANAGEMENT (US)	
AARDVARK SECURITIES LLC	AMERICAN PORTFOLIOS	CORPORATION	
ABBEY NATIONAL SECURITIES	FINANCIAL SERVICES, INC.	ASL CAPITAL MARKETS INC.	
INC.	AMERIPRISE FINANCIAL	ASPEN TRADING, L.L.C	
ABEL NOSER, LLC.	SERVICES, LLC	ASSOCIATED OPTIONS, INC.	
ABEL/NOSER CORP.	AMERITAS INVESTMENT	ATHENE SECURITIES, LLC	
ABG SUNDAL COLLIER INC.	COMPANY, LLC	ATLANTIC - PACIFIC CAPITAL,	
ABN AMRO CLEARING	AMERIVET SECURITIES, INC.	INC.	
CHICAGO LLC	AMHERST PIERPONT	ATLAS ONE FINANCIAL	
ABN AMRO SECURITIES (USA)	SECURITIES LLC	GROUP, LLC	
LLC	AMHERST SECURITIES	ATLAS TECHNOLOGY GROUP	
ACADEMY SECURITIES, INC.	GROUP, L.P.	LLC	
ACCESS SECURITIES, LLC	AMS DERIVATIVES B.V.	AUERBACH GRAYSON &	
ADP BROKER-DEALER, INC.	AMUNDI DISTRIBUTOR US,	COMPANY LLC	
ADVISORS ASSET	INC.	AURIGA USA, LLC	
MANAGEMENT, INC.	AMUNI FINANCIAL, INC.	AUTOMATED TRADING DESK	
AERIS PARTNERS LLC	ANGEL ISLAND CAPITAL	BROKERAGE SERVICES, LLC	
AIG CAPITAL SERVICES, INC.	SERVICES, LLC	AUTONOMOUS RESEARCH	
AIG FINANCIAL SECURITIES	ANZ SECURITIES, INC.	LLP	
CORP.	AON SECURITIES LLC	AVANTAX INVESTMENT	
AK CAPITAL LLC	APERTURE, LLC	SERVICES, INC.	
AKUNA SECURITIES LLC	APEX CLEARING	AVATAR CAPITAL GROUP LLC	
ALADDIN CAPITAL LLC	CORPORATION	AVATAR SECURITIES, LLC	
ALANTRA, LLC	APOLLO GLOBAL SECURITIES,	AVM, L.P.	
ALLEN & COMPANY LLC	LLC	AXOS CLEARING LLC	
ALLIANCEBERNSTEIN	AQR INVESTMENTS, LLC	B. C. ZIEGLER AND COMPANY	
INVESTMENTS, INC.	AQUILO PARTNERS, L.P.	B. RILEY WEALTH	
ALLIANZ LIFE FINANCIAL	ARBOR RESEARCH &	MANAGEMENT, INC.	
SERVICES, LLC	TRADING, LLC	BAADER HELVEA INC.	
ALLSTATE FINANCIAL	ARCA CAPITAL	BAKER TILLY CAPITAL, LLC	
SERVICES, LLC	INVESTMENTS, INC.	BALANCE SHEET SOLUTIONS	
ALLSTON TRADING LLC	ARCHIPELAGO SECURITIES	LLC	
ALLY INVEST SECURITIES LLC	L.L.C.	BANC OF AMERICA	
ALLY SECURITIES LLC	ARCHIPELAGO TRADING	SPECIALIST, INC.	
ALVAREZ & MARSAL	SERVICES, INC.	BANCO DO BRASIL	
SECURITIES, LLC	ARCOLA SECURITIES, INC.	SECURITIES LLC	

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BANCO VOTORANTIM
SECURITIES, INC.
BANCROFT CAPITAL, LLC
BANCWEST INVESTMENT
SERVICES, INC.
BANORTE-IXE 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.
BCP SECURITIES, LLC
BDT & COMPANY, LLC
BEDROK SECURITIES LLC
BELLE HAVEN INVESTMENTS,
L.P.
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.
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
CORP.
BMO CAPITAL MARKETS
GKST INC.
BMO HARRIS FINANCIAL
ADVISORS, INC.
BMO INVESTMENT
DISTRIBUTORS, LLC
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, INC.
BOK FINANCIAL SECURITIES,
INC.
BONDS.COM, INC.

BOSTON PARTNERS
SECURITIES, L.L.C.
BRADESCO BAC FLORIDA
INVESTMENTS CORP.
BRADESCO SECURITIES, INC.
BRANDT EQUITIES LLC
BRAVER STERN SECURITIES
LLC
BREAN CAPITAL, LLC
BREX TREASURY LLC
BRICKELL GLOBAL MARKETS,
INC.
BRIGHT TRADING, LLC
BRIGHOUSE SECURITIES,
LLC
BROADHAVEN SECURITIES
LLC
BROADRIDGE BUSINESS
PROCESS OUTSOURCING, LLC
BROKERTEC AMERICAS LLC
BROOKFIELD PRIVATE
ADVISORS LLC
BROWNSTONE INVESTMENT
GROUP, LLC
BTG PACTUAL US CAPITAL,
LLC
BTIG, LLC
BUCKLER SECURITIES 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,
LLC
CADARET, GRANT & CO., INC.
CAIN BROTHERS &
COMPANY, LLC
CALAMOS FINANCIAL
SERVICES LLC
CALVERT INVESTMENT
DISTRIBUTORS, INC.

Public Company Accounting Oversight Board
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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 INSTITUTIONAL
SERVICES, INC.
CAPITAL ONE INVESTING, LLC
CAPITAL ONE SECURITIES,
INC.
CARDINAL CAPITAL
MANAGEMENT LLC
CARILLON FUND
DISTRIBUTORS, INC.
CARNEGIE, INC.
CARTY & COMPANY, INC.
CASCADIA CAPITAL, LLC
CASGRAIN & COMPANY
(USA) LIMITED
CASTLEOAK SECURITIES, LP
CBOE TRADING, INC.
CBRE CAPITAL ADVISORS,
INC.
CCB INTERNATIONAL
OVERSEAS (USA) INC.
CENTAURUS FINANCIAL, INC.
CENTERVIEW PARTNERS LLC
CETERA ADVISOR NETWORKS
LLC
CETERA ADVISORS LLC
CETERA FINANCIAL
SPECIALISTS LLC
CETERA INVESTMENT
SERVICES LLC
CF SECURED, LLC

CGIS SECURITIES LLC
CHARDAN CAPITAL MARKETS
LLC
CHARLES RIVER BROKERAGE,
LLC
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.
CIT CAPITAL SECURITIES LLC
CITADEL CLEARING LLC
CITADEL SECURITIES
INSTITUTIONAL LLC
CITADEL SECURITIES LLC
CITI INTERNATIONAL
FINANCIAL SERVICES LLC
CITI ORDER ROUTING AND
EXECUTION, LLC
CITI PRIVATE ADVISORY, LLC
CITIC SECURITIES
INTERNATIONAL USA, LLC
CITICORP SECURITIES
SERVICES, INC.
CITIGROUP DERIVATIVES
MARKETS INC.
CITIGROUP GLOBAL
MARKETS INC.
CITIZENS CAPITAL MARKETS,
INC.
CITIZENS SECURITIES, INC.
CITY NATIONAL SECURITIES,
INC.
CITY SECURITIES
CORPORATION

CLARK SECURITIES, INC.
CLARKSON CAPITAL
MARKETS LLC
CLARKSONS PLATOU
SECURITIES, INC.
CLEAR STREET LLC
CLEAR STREET MARKETS LLC
CLEARPOOL EXECUTION
SERVICES, LLC
CLEARY GULL INC.
CLIFTONLARSONALLEN
WEALTH ADVISORS, LLC
CLSA AMERICAS, LLC
CMCJL, LLC
CME BD SERVICES, INC.
CMT TRADING LLC
CMZ TRADING, LLC
COASTAL SECURITIES, 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.
COMHAR CAPITAL MARKETS,
LLC
COMMERCE BROKERAGE
SERVICES, INC.
COMMERZ MARKETS LLC
COMMONFUND SECURITIES,
INC.
COMMONWEALTH
AUSTRALIA SECURITIES LLC

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Past-Due Share as of May 16, 2022

COMMONWEALTH EQUITY SERVICES, LLC
COMPASS POINT RESEARCH & TRADING, LLC
CONCOURSE FINANCIAL GROUP SECURITIES, INC.
CONTINUITY PARTNERS GROUP, LLC
CORMARK SECURITIES (USA) LIMITED
CORNERSTONE MACRO LLC
CORNERSTONE TRADING, LLC
CORTVIEW CAPITAL SECURITIES LLC
COUNTRY CLUB FINANCIAL SERVICES, INC.
COWEN AND COMPANY, LLC
COWEN CAPITAL LLC
COWEN EQUITY FINANCE LP
COWEN EXECUTION SERVICES LLC
COWEN PRIME SERVICES LLC
CP COGENT SECURITIES LP
CRAIG-HALLUM CAPITAL GROUP 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 (USA) LLC
CREWS & ASSOCIATES, INC.
CRITICAL TRADING, LLC
CROWELL, WEEDON & CO.
CRT CAPITAL GROUP LLC
CSCA CAPITAL ADVISORS, LLC
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, LP
CUTWATER ASSET MANAGEMENT CORP.
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
DB SECURITIES SERVICES NJ INC.
DBO PARTNERS 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
DRW SECURITIES, L.L.C.
DUFF & PHELPS SECURITIES LLC
DUNCAN-WILLIAMS, INC.
DUNDEE SECURITIES INC.
DV SECURITIES, LLC
DVB CAPITAL MARKETS LLC
DWS DISTRIBUTORS, INC.
DZ FINANCIAL MARKETS LLC
E D & F MAN CAPITAL MARKETS INC.
E*TRADE CLEARING LLC
E.J. DE LA ROSA & CO., INC.
EARLYBIRDCAPITAL, INC.
EATON PARTNERS, LLC
EATON VANCE DISTRIBUTORS, INC.
EBX LLC
ECHOTRADE LLC
EDWARD D. JONES & CO., L.P.
EFG CAPITAL INTERNATIONAL CORP.

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Brokers and Dealers With No Outstanding
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EG MARKET TECHNOLOGIES
LLC
ELECTRONIC TRANSACTION
CLEARING, INC.
EMMET & CO, INC.
EMPIRICAL RESEARCH
PARTNERS LLC
ENGLISH CONCEPTS, INC.
EPOCH SECURITIES, INC.
EQUATEX US INC
EQUILEND LLC
EQUITABLE ADVISORS, LLC
EQUITABLE DISTRIBUTORS,
LLC
EQUITEC PROPRIETARY
MARKETS, LLC
EQUITEC SPECIALISTS, LLC
ESL INVESTMENT SERVICES,
LLC
ESTRADA HINOJOSA &
COMPANY, INC.
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 INVESTOR
SERVICES, INC.
FIRST CITIZENS SECURITIES
CORPORATION
FIRST CLEARING, LLC
FIRST COMMAND FINANCIAL
PLANNING, INC.
FIRST DERIVATIVE TRADERS,
L.P.
FIRST EMPIRE SECURITIES,
INC.
FIRST HORIZON ADVISORS,
INC.
FIRST MANHATTAN CO
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
FOROS 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
FTI CAPITAL ADVISORS, LLC
FTP SECURITIES LLC
FUTU CLEARING INC
FUTU INC
G-2 TRADING,LLC
G-BAR LIMITED
PARTNERSHIP
G-TRADE SERVICES LLC

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Brokers and Dealers With No Outstanding
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G1 EXECUTION SERVICES, LLC
G2 TRADING LLC
GAGNON SECURITIES, LLC
GARGOYLE STRATEGIC
INVESTMENTS L.L.C.
GBM INTERNATIONAL, INC.
GBS RETIREMENT SERVICES,
INC.
GCA ADVISORS, LLC
GDK, INC.
GE CAPITAL MARKETS, INC.
GELBER SECURITIES, LLC
GENESIS CAPITAL, LLC
GENESIS GLOBAL TRADING,
INC
GEORGE K. BAUM &
COMPANY
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,
LLC
GMP SECURITIES, LLC
GOLDMAN SACHS & CO. LLC
GOLDMAN SACHS
EXECUTION & CLEARING, L.P.
GOLDMAN SACHS FINANCIAL
MARKETS, L.P.
GORDON DYAL & CO., LLC
GRAY WHALE CAPITAL, LLC
GREAT POINT CAPITAL LLC
GREEN STREET ADVISORS,
LLC
GREENHILL & CO., LLC

GREENSLEDGE CAPITAL
MARKETS LLC
GRIFFIN FINANCIAL GROUP,
LLC
GRIFFITHS MCBURNEY CORP.
GROUP ONE TRADING, L.P.
GROVE POINT INVESTMENTS,
LLC
GTS SECURITIES LLC
GUARDIAN INVESTOR
SERVICES LLC
GUGGENHEIM
DISTRIBUTORS, LLC
GUGGENHEIM FUNDS
DISTRIBUTORS, LLC
GUGGENHEIM INVESTOR
SERVICES, LLC
GUGGENHEIM SECURITIES,
LLC
GUZMAN & COMPANY
GWFS EQUITIES, INC.
GX2 SPREAD MARKETS, LLC
H.C.WAINWRIGHT & CO., LLC
HAITONG INTERNATIONAL
SECURITIES (USA) INC.
HAITONG SECURITIES USA
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
HBK GLOBAL SECURITIES L.P.

HEALTHCARE COMMUNITY
SECURITIES CORPORATION
HEFREN-TILLOTSON, INC.
HENNION & WALSH, INC.
HERBERT J. SIMS & CO, INC.
HFF SECURITIES L.P.
HILLTOP SECURITIES INC.
HOLD BROTHERS CAPITAL
LLC
HOME FINANCIAL SERVICES,
INC.
HONEY BADGER
INVESTMENT SECURITIES,
LLC
HORNOR, TOWNSEND &
KENT, INC.
HOULIHAN LOKEY CAPITAL,
INC.
HOVDE GROUP, LLC
HOWARD WEIL
INCORPORATED
HRT EXECUTION SERVICES
LLC
HRT FINANCIAL LP
HUATAI SECURITIES (USA),
INC.
HUNT FINANCIAL
SECURITIES, LLC
HUNTINGTON SECURITIES,
INC.
IBERIA CAPITAL PARTNERS
L.L.C.
IBKR SECURITIES SERVICES
LLC
IBS HOLDING CORPORATION
ICAP CORPORATES LLC
ICBC STANDARD SECURITIES
INC.
ICE BONDS SECURITIES
CORPORATION
ICE SECURITIES EXECUTION &
CLEARING, LLC
ICM SECURITIES, LLC
ICR CAPITAL LLC

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IEX SERVICES LLC
IFC HOLDINGS, INC.
IMC-CHICAGO, LLC
IMPERIAL CAPITAL, LLC
INCENTER SECURITIES
GROUP LLC
INDUSTRIAL AND
COMMERCIAL BANK OF
CHINA FINANCIAL SERVICES
LLC
INFINEX INVESTMENTS, INC.
ING FINANCIAL MARKETS LLC
INGALLS & SNYDER, LLC
INSPEREX LLC
INSTINET, LLC
INSTITUTIONAL CASH
DISTRIBUTORS, LLC
INTERACTIVE BROKERS
CORP.
INTERACTIVE BROKERS LLC
INTERCOASTAL CAPITAL
MARKETS, INC.
INTERNATIONAL STRATEGY &
INVESTMENT GROUP LLC
INTESA SANPAOLO IMI
SECURITIES CORP.
INTREPID INVESTMENT
BANKERS LLC
INTREPID PARTNERS, LLC
INVEMED ASSOCIATES LLC
INVESCO CAPITAL MARKETS,
INC.
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,
LLC
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
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 DISTRIBUTORS LLC
JEFFERIES BACHE
SECURITIES, LLC
JEFFERIES EXECUTION
SERVICES, INC.
JEFFERIES HIGH YIELD
TRADING, LLC
JEFFERIES LLC
JMP SECURITIES 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.
JVB FINANCIAL GROUP, LLC
KBC SECURITIES USA LLC
KBFG SECURITIES AMERICA
INC.
KEEFE, BRUYETTE & WOODS,
INC.
KEMPEN & CO U.S.A., INC.
KEPLER CAPITAL MARKETS,
INC.
KESTRA INVESTMENT
SERVICES, LLC
KEY INVESTMENT SERVICES
LLC
KEYBANC CAPITAL MARKETS
INC.
KGS-ALPHA CAPITAL
MARKETS, L.P.
KIPPSDESANTO & COMPANY
KKR CAPITAL MARKETS LLC
KMS FINANCIAL SERVICES,
INC.
KNIGHT CAPITAL AMERICAS,
L.P.
KOONCE SECURITIES, INC.
KOYOTE TRADING LLC
KPMG CORPORATE FINANCE
LLC
L.J. HART AND COMPANY
LADDER CAPITAL SECURITIES
LLC
LADENBURG THALMANN &
CO. INC.
LAKESHORE SECURITIES, L.P.
LASALLE INVESTMENT
MANAGEMENT
DISTRIBUTORS, LLC
LATOURETTE TRADING LLC
LAVAFLOW, INC.
LAZARD FRERES & CO. LLC
LAZARD MIDDLE MARKET LLC

Public Company Accounting Oversight Board
Brokers and Dealers With No Outstanding
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LEK SECURITIES
CORPORATION
LEUMI INVESTMENT
SERVICES INC.
LINCOLN FINANCIAL
ADVISORS CORPORATION
LINCOLN FINANCIAL
DISTRIBUTORS, INC.
LINCOLN FINANCIAL
SECURITIES CORPORATION
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
LUMINEX TRADING &
ANALYTICS LLC
LUPO SECURITIES, LLC
M&I FINANCIAL ADVISORS,
INC.
M&T SECURITIES, INC.
M3 CAPITAL PARTNERS LLC
MACQUARIE CAPITAL
MARKETS NORTH AMERICA
LTD.
MACRO RISK ADVISORS LLC
MAN INVESTMENTS INC.
MAPLE SECURITIES U.S.A.
INC.
MARATHON CAPITAL
MARKETS, LLC

MARIVA CAPITAL MARKETS,
LLC
MARKETAXESS
CORPORATION
MARKS BAUGHAN
SECURITIES LLC
MARSHBERRY CAPITAL, INC.
MATTHEWS SOUTH, LLC
MAXIM GROUP LLC
MBS CAPITAL MARKETS, LLC
MCADAMS WRIGHT RAGEN,
INC.
MCAP LLC
MCS CAPITAL MARKETS LLC
MDB CAPITAL GROUP 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.
MID ATLANTIC CAPITAL
CORPORATION
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 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.
MONEY CONCEPTS CAPITAL
CORP
MOORELAND PARTNERS LLC
MOORS & CABOT, INC.
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.
MOUNTAINVIEW
SECURITIES, LLC
MPS GLOBAL SECURITIES, LLC

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Past-Due Share as of May 16, 2022

MS SECURITIES SERVICES
INC.
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., INC.
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
NATIONWIDE SECURITIES,
LLC
NATIXIS DERIVATIVES INC.
NATIXIS DISTRIBUTION, L.P.
NATIXIS SECURITIES
AMERICAS LLC

NATWEST MARKETS
SECURITIES INC.
NAVY FEDERAL BROKERAGE
SERVICES, LLC
NBC SECURITIES, INC.
NBF SECURITIES (USA) CORP.
NEEDHAM & COMPANY, LLC
NELNET CAPITAL LLC
NEUBERGER BERMAN BD LLC
NEUBERGER BERMAN
MANAGEMENT LLC
NEW ENGLAND SECURITIES
CORPORATION
NEWEDGE USA, LLC
NEWPORT GROUP
SECURITIES, INC.
NEXBANK SECURITIES INC
NFSTX, LLC
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.
NORTHLAND SECURITIES,
INC.
NORTHSTAR SECURITIES, LLC
NORTHWESTERN MUTUAL
INVESTMENT SERVICES, LLC
NUMIS SECURITIES INC.
NUVEEN SECURITIES, LLC
NYLIFE DISTRIBUTORS LLC
NYLIFE SECURITIES LLC
O'NEIL SECURITIES
INCORPORATED
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
OPENDOOR SECURITIES LLC
OPPENHEIMER & CO. INC.
OPPENHEIMERFUNDS
DISTRIBUTOR, INC.
OPTIONSHOUSE, LLC
OPTIONSXPRESS, INC.
OPTIVER US LLC
OREC SECURITIES, LLC
ORIENTAL FINANCIAL
SERVICES LLC
OSCAR GRUSS & SON
INCORPORATED
OTA LLC
OTC LINK LLC
P.J. ROBB VARIABLE
CORPORATION
PACIFIC CREST SECURITIES
LLC
PACIFIC SELECT
DISTRIBUTORS, LLC
PALAFOX TRADING LLC
PARIS SECURITIES
CORPORATION
PARK AVENUE SECURITIES
LLC
PARK HILL REAL ESTATE
GROUP LLC
PARKLAND SECURITIES, LLC
PAULSON INVESTMENT
COMPANY LLC
PAVILION GLOBAL MARKETS
LTD.
PAYCHEX SECURITIES
CORPORATION
PEAK6 CAPITAL
MANAGEMENT LLC

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PEAK6 PERFORMANCE MANAGEMENT LLC	PROBITAS FUNDS GROUP, LLC	RED CEDAR TRADING, LLC
PEAK6 VEGA MASTER FUND LLC	PROSPERA FINANCIAL SERVICES, INC.	REDI GLOBAL TECHNOLOGIES LLC
PENSERRA SECURITIES, LLC	PRUCO SECURITIES, LLC.	REGIONS SECURITIES LLC
PENSON FINANCIAL SERVICES, INC.	PRUDENTIAL ANNUITIES DISTRIBUTORS, INC	RELATED FINANCIAL SERVICES, LLC
PEOPLE'S SECURITIES, INC.	PRUDENTIAL INVESTMENT MANAGEMENT SERVICES LLC	RENCAP SECURITIES, INC.
PERELLA WEINBERG PARTNERS LP	PTR, INC.	REUTERS TRANSACTION SERVICES LLC
PERFORMANCE TRUST CAPITAL PARTNERS, LLC	PULSE TRADING, INC.	RGM SECURITIES, LLC
PERSHING ADVISOR SOLUTIONS LLC	PUNDION LLC	RIVERSOURCE DISTRIBUTORS, INC.
PERSHING LLC	PUTNAM RETAIL MANAGEMENT LIMITED PARTNERSHIP	RIVERSTONE CAPITAL SERVICES LLC
PFS INVESTMENTS INC.	QATALYST PARTNERS LP	ROBERT W. BAIRD & CO. INCORPORATED
PHILLIP CAPITAL INC.	QUAD CAPITAL, LLC	ROBINHOOD FINANCIAL, LLC
PHOENIX DERIVATIVES GROUP, LLC	QUAD SECURITIES LLC	ROBINHOOD SECURITIES, LLC
PICTET OVERSEAS INC.	QUANTITATIVE BROKERS, LLC	ROCKEFELLER FINANCIAL LLC
PIMCO INVESTMENTS LLC	QUANTLAB SECURITIES LP	RODMAN & RENSHAW, LLC
PIPELINE TRADING SYSTEMS LLC	QUASAR DISTRIBUTORS, LLC	RONIN CAPITAL, LLC
PIPER SANDLER & CO.	QUESTAR CAPITAL CORPORATION	ROOSEVELT & CROSS, INCORPORATED
PJT PARTNERS LP	QUIET LIGHT SECURITIES, LLC	ROSENTHAL GLOBAL SECURITIES LLC
PLANMEMBER SECURITIES CORPORATION	R.W.PRESSPRICH & CO.	ROSS, SINCLAIRE & ASSOCIATES, LLC
PNC CAPITAL MARKETS LLC	RABO SECURITIES USA, INC.	ROTH CAPITAL PARTNERS, LLC
PNC INVESTMENTS LLC	RAFFERTY CAPITAL MARKETS, LLC	ROTHSCHILD & CO US INC.
POPULAR SECURITIES, LLC	RAINE SECURITIES LLC	ROYAL ALLIANCE ASSOCIATES, INC.
PORTIGON SECURITIES INC.	RAINIER SECURITIES, LLC	ROYCE FUND SERVICES, LLC
POTAMUS TRADING, LLC	RAMAT SECURITIES LTD.	RUANE, CUNNIFF & GOLDFARB LLC
PRAGMA LLC	RAYMOND JAMES & ASSOCIATES, INC.	RUSSELL INVESTMENTS FINANCIAL SERVICES, LLC
PRECISION SECURITIES, LLC	RAYMOND JAMES (USA) LTD.	RUSSELL INVESTMENTS IMPLEMENTATION SERVICES, LLC
PREFERRED CAPITAL SECURITIES, LLC	RAYMOND JAMES FINANCIAL SERVICES, INC.	SABADELL SECURITIES USA, INC.
PRICEWATERHOUSECOOOPE RS CORPORATE FINANCE LLC	RAYMOND JAMES INSURANCE GROUP, INC.	SAFRA SECURITIES LLC
PRIME DEALER SERVICES CORP.	RB INTERNATIONAL MARKETS (USA) LLC	SAGEPOINT FINANCIAL, INC.
PRINCIPAL FUNDS DISTRIBUTOR, INC.	RBC CAPITAL MARKETS, LLC	
PRINCIPAL SECURITIES, INC.	RBC CMA LLC	
	RCI LIMITED PARTNERSHIP	
	REALCADRE LLC	

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SAL EQUITY TRADING, GP
SAMCO CAPITAL MARKETS,
INC.
SAMI BROKERAGE LLC
SAMMONS FINANCIAL
NETWORK, LLC
SAMSUNG SECURITIES
(AMERICA), INC.
SAMUEL A. RAMIREZ &
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
SAYBRUS EQUITY SERVICES,
INC
SBERBANK CIB USA, INC
SCORE PRIORITY CORP.
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
DISTRIBUTION CO.
SENTINEL FINANCIAL
SERVICES COMPANY
SENVEST INTERNATIONAL
L.L.C.
SETTER CAPITAL INC.
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.
SIGNATURE SECURITIES
GROUP CORPORATION
SII INVESTMENTS, INC.
SIMMONS & COMPANY
INTERNATIONAL
SIMMONS FIRST
INVESTMENT GROUP, INC.
SIMON MARKETS LLC
SIMPLEX TRADING, LLC
SMBC NIKKO SECURITIES
AMERICA, INC.
SMBC NIKKO SECURITIES
CANADA, LTD.
SOFI SECURITIES LLC
SOLEBURY CAPITAL LLC

SOUTH STREET SECURITIES
LLC
SPHINX TRADING, LP
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.
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.
STEWART PARTNERS
INVESTMENT SOLUTIONS,
LLC
STIFEL, NICOLAUS &
COMPANY, INCORPORATED
STOCKCROSS FINANCIAL
SERVICES, INC.
STOEVER, GLASS & COMPANY
INC.
STONE & YOUNGBERG LLC
STONEX FINANCIAL INC.
STORMHARBOUR SECURITIES
LP
STOUT CAPITAL, LLC
STRATEGAS SECURITIES, LLC

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STUART FRANKEL & CO.,
INCORPORATED
STUDENT OPTIONS, LLC
SUMMIT BROKERAGE
SERVICES, INC.
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 LEERINK LLC
SVB SECURITIES, A NON-
BANK AFFILIATE OF SILICON
VALLEY BANK
SVB WEALTH ADVISORY, INC.
SWBC INVESTMENT
SERVICES, LLC
SWEDBANK SECURITIES US,
LLC
SWENEY CARTWRIGHT &
COMPANY
SWISS RE CAPITAL MARKETS
CORPORATION
SYNOVUS SECURITIES, INC.
SYSTEMATIZED BENEFITS
ADMINISTRATORS, INC.
T. ROWE PRICE INVESTMENT
SERVICES, INC.
T3 TRADING GROUP, LLC
TALCOTT RESOLUTION
DISTRIBUTION COMPANY,
INC.
TASTYWORKS, 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,
L.L.C.
TELSEY ADVISORY GROUP
LLC
TFS DERIVATIVES LLC
THE BAKER GROUP, LP
THE BENCHMARK COMPANY,
LLC
THE BUCKINGHAM
RESEARCH GROUP
INCORPORATED
THE GMS GROUP, LLC
THE HUNTINGTON
INVESTMENT COMPANY
THE KLEIN GROUP, LLC
THE VERTICAL TRADING
GROUP, LLC
THE WILLIAMS CAPITAL
GROUP, L.P.
THINKEQUITY LLC
THOMAS WEISEL PARTNERS
LLC
THRIVENT DISTRIBUTORS,
LLC
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 SQUARE SECURITIES,
INC.
TOWERS WATSON CAPITAL
MARKETS INC.
TOYOTA FINANCIAL SERVICES
SECURITIES USA
CORPORATION
TPG CAPITAL BD, LLC
TRADE INFORMATICS LLC
TRADEBOT SYSTEMS, INC.
TRADELINK L.L.C.
TRADELINK SECURITIES, LLC
TRADESTATION SECURITIES,
INC.
TRADEUP SECURITIES, 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
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

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TWO RIVERS TRADING
 GROUP LLC
 TWO SIGMA SECURITIES, LLC
 U.S. BANCORP
 INVESTMENTS, INC.
 UBS ASSET MANAGEMENT
 (US) INC.
 UBS FINANCIAL SERVICES
 INC.
 UBS FINANCIAL SERVICES
 INCORPORATED OF PUERTO
 RICO
 UBS SECURITIES LLC
 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
 USAA FINANCIAL ADVISORS,
 INC.
 USAA INVESTMENT SERVICES
 COMPANY
 UVEST FINANCIAL SERVICES
 GROUP, INC.
 VALIC FINANCIAL ADVISORS,
 INC.
 VALLEY FORGE ASSET
 MANAGEMENT, LLC
 VAN ECK SECURITIES
 CORPORATION
 VANGUARD MARKETING
 CORPORATION
 VELOCITY CAPITAL, LLC
 VELOCITY CLEARING, LLC
 VELOX CLEARING LLC
 VIEWTRADE SECURITIES, INC.

VINING-SPARKS IBG, LIMITED
 PARTNERSHIP
 VIRTU AMERICAS LLC
 VIRTU FINANCIAL BD LLC
 VIRTU FINANCIAL CAPITAL
 MARKETS LLC
 VIRTU ITG LLC
 VIRTUS CAPITAL MARKETS
 LLC
 VISION FINANCIAL MARKETS
 LLC
 VISTA POINT ADVISORS, LLC
 VOLANT LIQUIDITY, LLC
 VOLANT SECURITIES, LLC
 VOYA FINANCIAL ADVISORS,
 INC.
 VOYA FINANCIAL PARTNERS,
 LLC
 VOYA INVESTMENTS
 DISTRIBUTOR, LLC
 VOYA RETIREMENT
 ADVISORS, LLC
 VP DISTRIBUTORS LLC
 VTB CAPITAL INC.
 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 FUNDS
 DISTRIBUTOR, LLC

WELLS FARGO
 INSTITUTIONAL SECURITIES,
 LLC
 WELLS FARGO PRIME
 SERVICES, LLC
 WELLS FARGO SECURITIES,
 LLC
 WESTMINSTER RESEARCH
 ASSOCIATES LLC
 WESTPAC CAPITAL MARKETS
 LLC
 WILLIAM BLAIR & COMPANY
 L.L.C.
 WILLIAMS TRADING LLC
 WILLIS SECURITIES, INC.
 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
 XTX EXECUTION SERVICES
 LLC
 XTX MARKETS LLC
 ZEBED SECURITIES, LLC
 ZELMAN PARTNERS, LLC
 ZEUS FINANCIAL, LLC
 ZIONS DIRECT, INC.
 ZIV INVESTMENT COMPANY