

DTC PARTICIPANT REPORT (Alphabetical Sort)
Month Ending - April 30, 2019

PARTICIPANT ACCOUNT NAME	NUMBER
ABN AMRO CLEARING CHICAGO LLC	0695
ABN AMRO SECURITIES (USA) LLC	0349
ABN AMRO SECURITIES (USA) LLC/A/C#2	7571
ABN AMRO SECURITIES (USA) LLC/REPO	7590
ABN AMRO SECURITIES (USA) LLC/ABN AMRO BANK NV REPO	7591
ALASKA USA FEDERAL CREDIT UNION	2223
ALPINE SECURITIES CORPORATION	8072
AMALGAMATED BANK	2352
AMALGAMATED BANK OF CHICAGO	2567
AMHERST PIERPONT SECURITIES LLC	0413
AMERICAN ENTERPRISE INVESTMENT SERVICES INC.	0756
AMERICAN ENTERPRISE INVESTMENT SERVICES INC./CONDUIT	7260
APEX CLEARING CORPORATION	0158
APEX CLEARING CORPORATION/APEX CLEARING STOCK LOAN	8308
ARCHIPELAGO SECURITIES, L.L.C.	0436
ARCOLA SECURITIES, INC.	0166
ASCENSUS TRUST COMPANY	2563
ASSOCIATED BANK, N.A.	2257
ASSOCIATED BANK, N.A./ASSOCIATED TRUST COMPANY/IPA	1620
B. RILEY FBR, INC	9186
BANCA IMI SECURITIES CORP.	0136
BANK OF AMERICA, NATIONAL ASSOCIATION	2236
BANK OF AMERICA, NA/GWIM TRUST OPERATIONS	0955
BANK OF AMERICA/LASALLE BANK NA/IPA, DTC #1581	1581
BANK OF AMERICA NA/CLIENT ASSETS	2251
BANK OF CHINA, NEW YORK BRANCH	2555
BANK OF CHINA NEW YORK BRANCH/CLIENT CUSTODY	2656
BANK OF MONTREAL, CHICAGO BRANCH	2309
BANKERS' BANK	2557
BARCLAYS BANK PLC NEW YORK BRANCH	7263
BARCLAYS BANK PLC NEW YORK BRANCH/BARCLAYS BANK PLC-LNBR	8455
BARCLAYS CAPITAL INC.	5101
BARCLAYS CAPITAL INC./LE	0229
BB&T SECURITIES, LLC	0702
BBVA SECURITIES INC.	2786
BETHESDA SECURITIES, LLC	8860
BGC FINANCIAL, L.P.	0537
BGC FINANCIAL L.P./BGC BROKERS L.P.	5271
BLOOMBERG TRADEBOOK LLC	7001
BMO CAPITAL MARKETS CORP.	0045
BMO CAPITAL MARKETS CORP./PALOMA	5221
BMOCM/BONDS	5257
BMO CAPITAL MARKETS CORP./KGS	8307
BMO HARRIS BANK NA	2697
BMO HARRIS BANK NA/TRUST	0992
BMO HARRIS BANK NA/M&I BANK IPA	1530
BMO HARRIS BANK NA/IPA	1582
BMO HARRIS BANK NA/DEALER	2559

PARTICIPANT ACCOUNT NAME	NUMBER
BNP PARIBAS SECURITIES CORP.	0630
BNP PARIBAS SECURITIES CORP./PRIME BROKERAGE	2154
BNP PARIBAS SECURITIES CORP./PRIME STOCK LENDING	2885
BNP PARIBAS SECURITIES CORP./PRIME ARBITRAGE SLAB	8238
BNP PARIBAS, NEW YORK BRANCH	1569
BNP PARIBAS, NEW YORK BRANCH/BNP PARIBAS LONDON ALM	1014
BNP PARIBAS, NEW YORK BRANCH/MERLION/CLIENT ASSETS	1405
BNP PARIBAS, NEW YORK BRANCH/IPA	1601
BNP PARIBAS, NEW YORK BRANCH/BNP PARIBAS PRIME BROKERAGE CUSTODIAN	2147
BNP PARIBAS, NY BRANCH/ BNPP SA	2322
BNP PARIBAS, NEW YORK BRANCH/CUSTODY/CLIENT ASSETS	2787
BNP PARIBAS, NEW YORK BRANCH/BNP PARIBAS PRIME BROKERAGE INTERNATIONAL	2884
BNP PARIBAS NY BRANCH LONDON BONDS	5153
BNP PARIBAS NY BRANCH/PARIS BONDS	7382
BNP PARIBAS NY BRANCH/USAL	8183
BNP PARIBAS NEW YORK BRANCH/BNP PARIBAS PROPRIETARY ASSETS	8462
BNY MELLON CAPITAL MARKETS, LLC	2523
BRANCH BANKING AND TRUST COMPANY	5385
BRANCH BANKING AND TRUST COMPAY/FM/IPA	1518
BRANCH BANKING & TRUST CO/FM IP BB&T CORP.	2703
BRANCH BANKING & TRUST CO/FM IP BB&T	2705
BRANCH BANKING AND TRUST COMPANY/FM/IP BB&T COMMUNITY HOLDINGS	2871
BROWN BROTHERS HARRIMAN & CO.	0010
BROWN BROTHERS HARRIMAN & CO./ETF	0109
BROWN BROTHERS HARRIMAN & CO. /SECURITIES LENDING SPO ACCOUNT II	4048
SECURITIES LENDING SPO ACCOUNT/BBH	5288
C.L. KING & ASSOCIATES, INC.	0743
CAJA DE VALORES S.A.	5610
CALDWELL TRUST COMPANY	2687
CANTOR FITZGERALD & CO.	0696
CANTOR FITZGERALD & CO. / CANTOR CLEARING SERVICES	0197
CANTOR FITZGERALD/STOCK LOAN	5253
CANTOR FITZGERALD & CO./DEBT CAPITAL MARKETS	7311
CAVALI ICLV S.A.	2011
CDS CLEARING AND DEPOSITORY SERVICES INC.	4800
ROYAL BANK OF CANADA-ROYAL TRUST/CDS**	4707
BMO NESBITT BURNS INC./BMO TRUST COMPANY/CDS**	4712
TORONTO-DOMINION BANK (THE)/TD GLOBAL FINANCE UNLIMITED COMPANY	4717
THE BANK OF NOVA SCOTIA/PRINCIPAL EQUITIES/CDS**	4794
THE BANK OF NOVA SCOTIA/SUB FIXED INCOME/IMPACT/CDS**	4795
BMO NESBITT BURNS/INSTITUTIONAL/CDS**	4797
RBC DOMINION SECURITIES INC./CDS**	4801
BANK OF NOVA SCOTIA/BNS LONDON/CDS**	4802
TORONTO-DOMINION BANK (THE)**	4805
J.P. MORGAN SECURITIES CANADA INC. **	4808
BMO NESBITT BURNS INC./BMO NB Equity Finance CMLUK/CDS	4809
THE BANK OF NOVA SCOTIA/CDS**	4812
THE BANK OF NOVA SCOTIA/ SCE LTD./CDS**	4814
THE BANK OF NOVA SCOTIA/CLIENT A	4816
BANK OF MONTREAL/ CHICAGO/CDS**	4817
FIDUCIE DESJARDINS INC.**	4818
BANK OF MONTREAL/ IRELAND/CDS**	4819
BANK OF MONTREAL/ LONDON/CDS**	4822
THE BANK OF NOVA SCOTIA/CLIENT B/CDS**	4838
BANK OF MONTREAL**	4855
BMO NESBITT BURNS INC./BMO NB Equity Finance BMIRE/CDS	4947
LAURENTIAN BANK SECURITIES INC./CDS	5001
RBC DOMINION SECURITIES INC./CDS**	5002
SOCIETE GENERALE CAPITAL CANADA INC./CDS**	5003
NATIONAL BANK FINANCIAL INC./CDS**	5008
SCOTIA CAPITAL INC./CDS**	5011
EDWARD JONES/CDS**	5012
CALDWELL SECURITIES LTD./CDS**	5013
PETERS & CO. LIMITED/CDS**	5014
GMP SECURITIES L.P./CDS**	5016
UBS SECURITIES CANADA INC./CDS**	5017
CREDIT SUISSE SECURITIES CANADA INC./CDS**	5019
PICTET CANADA L.P./CDS**	5027

PARTICIPANT ACCOUNT NAME	NUMBER
DESJARDINS SECURITIES INC./CDS**	5028
MACKIE RESEARCH CAPITAL CORPORATION/CDS**	5029
CIBC WORLD MARKETS INC./CDS**	5030
TD WATERHOUSE CANADA INC./CDS**	5036
FIDELITY CLEARING CANADA ULC/CDS**	5040
BMO NESBITT BURNS INC./CDS**	5043
ROYAL BANK OF CANADA-ROYAL TRUST 1/CDS**	5044
CANACCORD GENUITY CORP./CDS**	5046
MANULIFE SECURITIES INCORPORATED/CDS**	5047
CORMARK SECURITIES INC./CDS**	5055
HAYWOOD SECURITIES INC./CDS**	5058
CDS CLEARING AND DEPOSITORY SERVICES INC./CDS DEFAULT MANAGEMENT CONTROL ACCOUNT	5068
LEEDE JONES GABLE INC./CDS**	5071
ODLUM BROWN LIMITED/CDS**	5074
PI FINANCIAL CORP./CDS**	5075
RAYMOND JAMES LTD./CDS**	5076
W.D. LATIMER CO LTD./CDS**	5078
CREDENTIAL SECURITIES INC./CDS**	5083
QUESTRADE INC./CDS**	5084
BBS SECURITIES INC./CDS**	5085
CDS CLEARING AND DEPOSITORY SERVICES INC.**	5099
CENTERSTATE BANK OF FLORIDA, NA	0587
CENTRAL TRUST BANK (THE)	2880
CETERA INVESTMENT SERVICES LLC	0701
CF SECURED, LLC	0794
CHARLES SCHWAB & CO., INC.	0164
CHARLES SCHWAB & CO., INC. STOCK LOAN CONDUIT ACCOUNT	7322
CHARLES SCHWAB & CO., INC./SCHWAB GLOBAL INVESTING ACCOUNT	7587
CHARLES SCHWAB BANK	2993
CIBC WORLD MARKETS CORP.	0438
CIBC WORLD MARKETS CORP./CIBC WORLD MARKETS CORP. REPO	7295
CITADEL CLEARING LLC	0395
CITADEL SECURITIES LLC	8430
CITIBANK, N.A.	0908
CITIBANK, N.A. - DEALER	0950
ADR-CITI	0953
CITIBANK/CP/IPA	1501
CITIBANK/THE CITIGROUP PRIVATE BANK/TRUST	2032
CITIBANK, N.A./ETF	2333
CITIBANK, N.A./CORPORATE AGENCY & TRUST	2426
CITIBANK NA/DEALER SAFEKEEPING	2562
CITIBANK, N.A./SEGREGATED LENDING	2658
CITIBANK, N.A. BOOK-ENTRY-ONLY MEDIUM TERM NOTE ACCOUNT	2790
CITIBANK N.A. LONDON/MTN	2952
CITIBANK, N.A./S.D. INDEVAL INSTITUCION PARA EL DEPOSITO DE VALORES, S.A. DE C.V.	3926
CITIBANK, N.A./PROJECT BLUE	3974
CITIBANK N.A./PROPRIETARY ASSETS	8164
CITIBANK, N.A./PUERTO RICO IBE	4027
CITICORP SECURITIES SERVICES, INC.	0563
CITIGROUP GLOBAL MARKETS INC.	0505
CITIGROUP GLOBAL MARKETS INC./SALOMON BROTHERS	0274
CITIGROUP GLOBAL MARKETS, INC./CORRESPONDENT CLEARING	0418
CITIGROUP GLOBAL MARKETS INC./SALOMON BROTHERS/A.M.M.	5215
CLEARSTREAM BANKING AG	2000
CLEAR STREET LLC	9132
COMERICA BANK	2108
COMMERCE BANK	2170
COMMERZ MARKETS LLC	0126
COMMERZ MARKETS LLC/FIXED INC. REPO & COMM. PAPER	0033
COMPASS BANK	2483

PARTICIPANT ACCOUNT NAME	NUMBER
COMPASS BANK/IPA	1563
COMPASS BANK/TRUST DIVISION	2484
COMPASS BANK/INVESTMENTS	7582
COMPUTERSHARE TRUST COMPANY, N.A.	2415
COMPUTERSHARE TRUST COMPANY, N.A./OPTIONS	2330
COMPUTERSHARE TRUST COMPANY, N.A./DRP	2586
AXOS CLEARING LLC	0052
AXOS CLEARING LLC/ CORRESPONDENT FLIP FACILITATION ACCOUNT	1186
AXOS CLEARING LLC/STOCK LOAN	7576
COUNTRY TRUST BANK	2561
COWEN EXECUTION SERVICES LLC	0100
COWEN EXECUTION SERVICES LLC/FULLY PAID FOR LENDING	0933
COWEN EXECUTION SERVICES LLC/STOCK LOAN CONDUIT	8185
COWEN EXECUTION SERVICES LLC/SUSQUEHANNA	8857
CREDIT AGRICOLE SECURITIES (USA) INC	0651
CREDIT AGRICOLE SECURITIES (USA) INC/F/B/O CREDIT AGRICOLE NY BRANCH	7372
CREDIT AGRICOLE SECURITIES (USA) INC/STOCK LOAN CONDUIT	7540
CREDIT SUISSE AG - NEW YORK BRANCH	1587
CREDIT SUISSE AG-NEW YORK BRANCH/DTC I.D. CONFIRMATION	1006
CREDIT SUISSE SECURITIES (USA) LLC	0355
CREST INTERNATIONAL NOMINEES LIMITED	2012
CREWS & ASSOCIATES, INC.	5158
CSS, LLC	0670
CURVATURE SECURITIES, LLC	3598
D. A. DAVIDSON & CO.	0361
DAIWA CAPITAL MARKETS AMERICA INC.	0647
DAIWA CAPITAL MARKETS AMERICA INC./DASAC	7561
DAVENPORT & COMPANY LLC	0715
DEPOSITO CENTRAL DE VALORES S.A., DEPOSITO DE VALORES	2735
DESERET TRUST COMPANY	0958
DESERET TRUST COMPANY - D	2118
DESERET TRUST COMPANY - I	2497
DESERET TRUST COMPANY - A	8485
DEUTSCHE BANK AG, NEW YORK BRANCH	2481
DEUTSCHE BANK AG NY/US CUSTODY	2690
DEUTSCHE BANK SECURITIES INC.	0573
DEUTSCHE BANK SECURITIES INC. - STOCK LOAN	0032
DEUTSCHE BANK SECURITIES INC.-INTERNATIONAL STOCK LOAN	5162
DEUTSCHE BANK SECURITIES INC.-FIXED INCOME STOCK LOAN	5225
DEUTSCHE BANK TRUST COMPANY AMERICAS	1503
DBTC AMERICAS/CTAG/PUTS & DEMANDS	2041
DBTC AMERICAS/CTAG-GES	2655
DBTC AMERICAS/CTAG-CDFP	2808
E*TRADE BANK	2782
E*TRADE SAVINGS BANK	5981
E*TRADE SECURITIES LLC	0385
E*TRADE SECURITIES LLC/ETS SECURITIES LENDING	1051
E D & F MAN CAPITAL MARKETS INC.	8873
EDWARD D. JONES & CO.	0057
DASH FINANCIAL TECHNOLOGIES LLC	0627
ELECTRONIC TRANSACTION CLEARING, INC.	0873
ELECTRONIC TRANSACTION CLEARING, INC./HOUSE	3821

PARTICIPANT ACCOUNT NAME	NUMBER
EMMET & CO.,INC.	5234
FANNIE MAE	2306
FEDERAL HOME LOAN MORTGAGE CORPORATION	2391
FEDERAL HOME LOAN MORTGAGE CORPORATION/RETAINED	2068
FEDERAL HOME LOAN MORTGAGE CORPORATION/MULTIFAMILY	8846
FIDUCIARY TRUST COMPANY OF BOSTON	2126
FIFTH THIRD BANK	2116
FIFTH THIRD BANK/STATE TEACHERS RETIREMENT OF OHIO	2416
FIFTH THIRD BANK/PUBLIC EMPLOYEES RETIREMENT SYSTEM	2975
FIRST TENNESSEE BANK N.A. MEMPHIS	2445
FIRST TRUST PORTFOLIOS, L.P.	8244
FMSBONDS, INC.	5217
FOLIO INVESTMENTS, INC.	0728
FROST BANK	2053
FTN FINANCIAL SECURITIES CORP.	0202
GEORGE K. BAUM & COMPANY	0129
GLENMEDE TRUST COMPANY, N.A. (THE)	2139
GLOBAL SECURITIES CORPORATION/CDS	5069
GOLDMAN SACHS & CO. LLC	0005
GOLDMAN SACHS & CO. LLC/IMS	8699
GOLDMAN SACHS BANK USA	2941
GOLDMAN SACHS BANK USA/GOLDMAN SACHS AGENCY LENDING	2660
GOLDMAN SACHS BANK USA/GS & CO. LLC FCM CLEARED SWAPS CUST OMNIBUS ACCT CFTC REG 22.2 CUST SEG ACCT UNDER	3944
GOLDMAN SACHS BANK USA/#2	8197
GOLDMAN, SACHS & CO./IMS	8699
GOLDMAN SACHS BANK USA/GS & CO. LLC FCM CUST OMNIBUS ACCT CFTC REG 1.20 CUST SEG ACCT UNDER SECTIONS 4D(A)&(B) OF THE CEA (CME)	9180
GOLDMAN SACHS INTERNATIONAL	5208
GOLDMAN SACHS INTERNATIONAL/ GOLDMAN SACHS BANK EUROPE SE	4056
GUGGENHEIM FUNDS DISTRIBUTORS, LLC.	0526
GUGGENHEIM SECURITIES, LLC	0181
HILLTOP SECURITIES INC.	0279
HOLD BROTHERS CAPITAL LLC	0430
HOME FEDERAL BANK OF TENNESSEE, F.S.B.	2425
HOME FEDERAL BANK/HOME FINANCIAL SERVICES, INC.	2447
HOME FEDERAL BANK/HF PORTFOLIO	2533
HOME FEDERAL BANK OF TENNESSEE, FSB/TRUST DEPARTMENT CUSTOMERS	2534
HONG KONG SECURITIES CLEARING COMPANY LIMITED	2338
HRT FINANCIAL LLC	0369
HSBC BANK USA, NATIONAL ASSOCIATION	2165
HSBC BANK USA, NATIONAL ASSOCIATION/IPA	1544
HSBC BANK USA, NA/HSBC CUSTODY & CLEARING SERVICES FOR STOCK LOAN & BORROW	1950
HSBC BANK USA, N.A.-IPB	2122
HSBC BANK USA, NATIONAL ASSOCIATION/OMNIBUS	2393
HSBC BANK USA, N.A./CORPORATE TRUST IPA	2894
HSBC BANK USA, NA/HTM	8402
HSBC BANK USA, NA/AFS	8404
HSBC BANK USA, NA/CLEARING	8396
HSBC SECURITIES (USA) INC.	0816
HSBC SECURITIES (USA) INC. (FIXED INCOME)	0486

PARTICIPANT ACCOUNT NAME	NUMBER
ICAP CORPORATES LLC	0148
ICAP CORPORATES LLC/CROSSTRADE	8456
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL SERVICES, LLC	0824
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL SERVICES, LLC/CLEARANCE	0388
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL SERVICES LLC/ CLEARING	2667
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL SERVICES LLC/ SECURITIES LENDING	7583
ING FINANCIAL MARKETS LLC	0270
ING FINANCIAL MARKETS LLC/INTERNATIONAL	5104
ING FINANCIAL MARKETS LLC/INTERNATIONAL EQUITY FINANCE	5268
ING FINANCIAL MARKETS LLC/INTERNATIONAL EQUITY FINANCE MATCH BOOK ACCOUNT	7273
ING FINANCIAL MARKETS LLC/GLOBAL SECURITIES FINANCE NON-PURPOSE	7595
INGALLS & SNYDER, LLC	0124
INSTINET, LLC	0067
INSTINET, LLC/STOCK LOAN	7276
INTERACTIVE BROKERS LLC	0017
INTERACTIVE BROKERS RETAIL EQUITY CLEARING	0534
INTL FCSTONE FINANCIAL INC.	0750
INTL FCSTONE FINANCIAL INC./BD RATES	1944
INTL FCSTONE FINANCIAL INC./STOCK LOAN	8870
INVESCO CAPITAL MARKETS, INC.	0692
ITAU BBA USA SECURITIES, INC.	8113
ITG INC.	0099
J.P. MORGAN SECURITIES LLC	0187
J.P. MORGAN SECURITIES LLC/JPMC	0352
J.P. MORGAN SECURITIES LLC/JPMC LENDING	5213
JANE STREET CAPITAL, LLC	8497
JANNEY MONTGOMERY SCOTT LLC	0374
JANNEY MONTGOMERY SCOTT LLC/STOCK LOAN	7320
JAPAN SECURITIES DEPOSITORY CENTER, INC.	5600
JEFFERIES LLC	0019
JEFFERIES LLC/JEFFERIES EXECUTION SERVICES, INC./SERVICE BUREAU	0536
JEFFERIES LLC/AS AGENT FOR JEFFERIES INTERNATIONAL LONDON	7441
JEFFERIES LLC/SECURITIES FINANCE	7565
JPMORGAN CHASE BANK, NATIONAL ASSOCIATION	0902
JPMORGAN CHASE BANK - ADR	0923
JPMORGAN CHASE BANK/J.P.MORGAN CHASE & CO./CERTIFICATE OF DEPOSIT/IPA	1573
JPMORGAN CHASE BANK/EUROCLEAR BANK	1970
JP MORGAN CHASE/JP MORGAN INTERNATIONAL	2035
JPMORGAN CHASE BANK/CORRESPONDENCE CLEARING SERVICES 2	2164
JPMORGAN CHASE BANK NA/DBTC AMERICAS/DEUTSCHE BANK AG (LONDON BRANCH)	2312
JPMORGAN CHASE BANK NA/DBTC AMERICAS/DB UK BANK LIMITED	2314
JPMORGAN CHASE-ADR MAX	2334
JPMORGAN CHASE BANK/IA	2357
JPMORGAN CHASE BANK/JPMORGAN PPB	2379
JPMORGAN CHASE BANK, N.A./CUSTODIAL TRUST COMPANY	2424
JPMORGAN CHASE BANK/VANGUARD LOANET	2433
JPMORGAN CHASE BANK/GNPH MIDDLE MARKET	2434
JPMORGAN CHASE BANK/CORPORATE MUNICIPAL DEALER	2508
JPMORGAN CHASE BANK/PRUDENTIAL	2517
JPMORGAN CHASE BANK/TREASURER OF STATE OF OHIO BWC	2609
JPMORGAN CHASE/US EQ TRP	2612
JPMORGAN CHASE BANK,N.A./JPMORGAN CHASE FUNDING INC.	2668
JPMORGAN CHASE BANK/MUNICIPAL DEALER	2773
JPMORGAN CHASE BANK/AG DEPOSITARY BANK	2865
JPMORGAN CHASE-FIMAT CU	2945
JPMORGAN CHASE BANK/MET LIFE LOANET	2973
J.P. MORGAN CHASE BANK NA/FBO BLACKROCK CTF	3622
JPMORGAN CHASE BANK, NATIONAL ASSOCIATION/INTERMEDIARY HOLDING COMPANY	3884
JPMORGAN CHASE BANK, NATIONAL ASSOCIATION/FBO TEMASEK INTERNATIONAL PTE LTD	3915
JPMORGAN CHASE BANK, N.A./JPMORGAN CHASE HOLDINGS LLC	4101
JPMORGAN CHASE BANK, N.A/CHIEF INVESTMENT OFFICE 4	4102
JPMORGAN CHASE BANK/OHIO POLICE AND FIRE PENSION FUND	8112
JPMORGAN CHASE BANK, NATIONAL ASSOCIATION/PUBLIC EMPLOYEE RETIREMENT SYTEM OF OHIO (OPERS)	8187

PARTICIPANT ACCOUNT NAME	NUMBER
JPMC/JPMORGAN CHASE BANK NA	8333
JPMCB/DNT ASSET TRUST	8447
JPMCB/J.P. MORGAN SECURITIES CANADA INC.	8449
JPMORGAN CHASE BANK/JP MORGAN PROPRIETARY ASSET ACCOUNT	8861
JPMORGAN CHASE BANK/CHIEF INVESTMENT OFFICE	8867
JPMORGAN CHASE BANK/CHIEF INVESTMENT OFFICE 2	8869
JPMORGAN CHASE BANK/CHIEF INVESTMENT OFFICE 3	8871
VIRTU AMERICAS LLC	0295
KEYBANK NATIONAL ASSOCIATION	2205
KEYBANK SAFEKEEPING	0557
KEYBANK NA/FBO TREASURER OF STATE OF OHIO	2769
KOONCE SECURITIES LLC	0712
LAKESIDE BANK	2545
LEK SECURITIES CORPORATION	0512
LOMBARD ODIER TRANSATLANTIC, LIMITED PARTNERSHIP	0408
LPL FINANCIAL CORPORATION	0075
MACQUARIE CAPITAL (USA) INC.	0114
MANUFACTURERS AND TRADERS TRUST COMPANY	0990
MANUFACTURERS AND TRADERS TRUST COMPANY/COMMERCIAL LOANS	1121
MANUFACTURERS AND TRADERS TRUST CO/WILMINGTON TRUST/IPA	1507
MANUFACTURERS AND TRADERS TRUST COMPANY/IPA	1545
MANUFACTURERS AND TRADERS TRUST COMPANY/BANK PORTFOLIO	2382
MARSCO INVESTMENT CORPORATION	0287
MATRIX TRUST COMPANY	5954
MERRILL LYNCH PROFESSIONAL CLEARING CORP.	0551
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED	0161
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED/671 MLPF&S TS PR	0671
MERRILL LYNCH PIERCE FENNER & SMITH/FIXED INCOME	0773
MERRILL LYNCH, PIERCE FENNER & SMITH INC. - SECURITIES LENDING	5143
MERRILL LYNCH, PIERCE, FENNER & SMITH, INC. - FOREIGN SECURITY LENDING	5176
MERRILL LYNCH, PIERCE FENNER & SMITH SAFEKEEPING	5198
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED/STOCK LOAN	6582
MERRILL LYNCH PIERCE FENNER & SMITH INC.-MLIM GLOBAL SECURITIES FINANCING INTERNATIONAL	7305
MERRILL LYNCH, PIERCE, FENNER & SMITH/STOCK LOAN HEDGE ACCOUNT	7560
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED/8862 MLPF&S TS SUB	8862
MID ATLANTIC TRUST COMPANY	8150
MIRAE ASSET SECURITIES (USA), INC.	1043
MIRAE ASSET SECURITIES (USA) INC./STOCK LOAN CONDUIT ACCOUNT	1385
MITSUBISHI UFJ TRUST & BANKING CORPORATION, NEW YORK BRANCH	2932
MITSUBISHI UFJ TRUST & BANKING CORPORATION, NEW YORK BRANCH/AFFILIATE	2037
MITSUBISHI UFJ TRUST & BANKING CORPORATION, NEW YORK BRANCH/STOCK LOAN	2570
MIZUHO BANK, LTD. NEW YORK BRANCH	2539
MIZUHO BANK LTD. NEW YORK BRANCH/IPA	1577
MIZUHO BANK (USA)	2888
MIZUHO BANK (USA)/SECURITY LENDING	2492
MIZUHO SECURITIES USA LLC	0892
MIZUHO SECURITIES USA LLC/SECURITIES FINANCE	2161
MIZUHO SECURITIES USA LLC/FIXED INCOME	2396
MIZUHO SECURITIES USA LLC/MIZUHO MARKETS CAYMAN	3670
MIZUHO SECURITIES USA LLC/MIZUHO MARKETS AMERICA	5903
MIZUHO SECURITIES USA LLC/MIZUHO CAPITAL MARKETS LLC	7380
MONTE TITOLI - S.P.A.	2008
MORGAN STANLEY & CO. INTERNATIONAL PLC	7309
MORGAN STANLEY & CO. INTERNATIONAL PLC/MORGAN STANLEY BANK A.G	3935
MORGAN STANLEY & CO. LLC	0050
MORGAN STANLEY & CO. LLC/SL CONDUIT	0101
MORGAN STANLEY & CO. LLC/II	5127

PARTICIPANT ACCOUNT NAME	NUMBER
MORGAN STANLEY & CO. LLC/III	5224
MORGAN STANLEY BANK, N.A.	2187
MORGAN STANLEY PRIVATE BANK, NATIONAL ASSOCIATION	2267
MORGAN STANLEY PRIVATE BANK, NATIONAL ASSOCIATION/#2	2522
MORGAN STANLEY SMITH BARNEY LLC	0015
MORGAN STANLEY SMITH BARNEY LLC/SL CONDUIT	8875
MUFG SECURITIES AMERICAS INC.	0076
MUFG SECURITIES AMERICAS INC./STOCK LOAN	2075
MUFG UNION BANK, N.A.	2145
MUFG UNION BANK, N.A./MMI/PIMS/IPA	1607
MUFG UNION BANK, N.A./CAPITAL MARKETS	2851
NASDAQ BX, INC.	0163
NASDAQ EXECUTION SERVICES, LLC	0568
NASDAQ EXECUTION SERVICES LLC/OPTIONS	0520
NASDAQ PHLX LLC	0237
NATIONAL BANK OF CANADA FINANCIAL INC.	8353
NATIONAL FINANCIAL SERVICES LLC	0226
NATIONAL FINANCIAL SERVICES/ FIDELITY AGENCY LENDING	3951
NATIONAL FINANCIAL SERVICES LLC/STOCK LOAN	5157
NATIXIS SECURITIES AMERICAS LLC	0031
NATWEST MARKETS SECURITIES INC.	425
NATWEST MARKETS SECURITIES INC./FIXED INCOME	5263
NOMURA SECURITIES INTERNATIONAL, INC.	0180
NSI STOCK LENDING	5180
NOMURA SECURITIES/FIXED INCOME	5222
NOMURA SECURITIES INTERNATIONAL, INC./AFFILIATE CLEARING	7507
NUVEEN SECURITIES, LLC	0448
NYSE ARCA, INC.	5300
OPPENHEIMER & CO. INC.	0571
OPTIONS CLEARING CORPORATION (THE)	0981
OCC INTERNAL NON-PROPRIETARY CROSS MARGIN CFTC 1.20 FUTURES CUSTOMER SEGREGATED OMNIBUS ACCOUNT	0912
OCC CFTC 1.20 FUTURES CUSTOMER SEGREGATED MARGIN OMNIBUS ACCOUNT	0939
THE OPTIONS CLEARING CORPORATION/OCC MARKET LOAN PROGRAM ACCOUNT - AQS	0982
PAXOS TRUST COMPANY, LLC	5855
PEOPLE'S SECURITIES, INC.	0220
PERSHING LLC	0443
PERSHING LLC/CLIENT FINANCING	1030
PERSHING LLC/SL	5163
PERSHING LLC/SL INT'L	5196
PERSHING LLC/CORRESPONDENT SECURITIES LENDING	8131
PHILLIP CAPITAL INC.	8460
PNC BANK, NATIONAL ASSOCIATION	2616
PNC BANK, N.A./IPA	1515
PNC BANK, N.A./OTTA	2065
PNC BANK/PNC MUNICIPAL STRATEGY - BLK	2166
PNC BANK, N.A./PNC CAPITAL MARKETS LLC MSFTA	2167
PNC BANK, N.A./PITTSBURGH	2834
PNC BANK N.A./PNC CAPITAL MARKETS LLC	2835
PNC BANK, N.A./HPRS	2937
PRECISION SECURITIES, LLC	8858
QUANTEX CLEARING, LLC	0294
QUANTEX CLEARING, LLC/STOCK LOAN	7359
RAYMOND JAMES & ASSOCIATES, INC.	0725

PARTICIPANT ACCOUNT NAME	NUMBER
RAYMOND JAMES & ASSOCIATES, INC/FI	0390
RJ DEALER STOCK LOAN	0594
RAYMOND JAMES & ASSOCIATES, INC./RAYMOND JAMES TRUST COMPANY	5179
RAYMOND JAMES & ASSOCIATES, INC / RAYMOND JAMES BANK	7568
RBC CAPITAL MARKETS, LLC	0235
RBC CAPITAL MARKETS, LLC/RBCCM	7408
RELIANCE TRUST COMPANY	5962
RELIANCE TRUST COMPANY/SWMS1	2042
RELIANCE TRUST COMPANY/SWMS2	2085
RELIANCE TRUST COMPANY/FIS TRUSTDESK MKE	5409
RELIANCE TRUST COMPANY/FIS GLOBAL PLUS	7381
RELIANCE TRUST COMPANY/FIS TRUSTDESK	8434
ROBERT W. BAIRD & CO. INCORPORATED	0547
ROBINHOOD SECURITIES, LLC	6769
ROBINHOOD SECURITIES, LLC/ SECURITIES LENDING	3691
SAFRA SECURITIES LLC	8457
SANFORD C. BERNSTEIN & CO., LLC	0013
SCOTIA CAPITAL (USA) INC.	0096
SCOTIA CAPITAL (USA) INC./STOCK LOAN	8118
SCOTIA CAPITAL (USA) INC./INTERNATIONAL STOCK LOAN	8119
S.D. INDEVAL INSTITUCION PARA EL DEPOSITO DE VALORES S.A. DE C.V.	8020
SECURITIES FINANCE TRUST COMPANY	2047
SEI PRIVATE TRUST COMPANY	2039
SEI PRIVATE TRUST COMPANY/C/O GWP	2663
SG AMERICAS SECURITIES, LLC	0286
SG Americas Securities LLC/Sub 608	0608
SG AMERICAS SECURITIES LLC/PARIS CLEARING	8459
SOCIETE GENERALE, NEW YORK BRANCH	1546
SOCIETE GENERALE NY/SOCIETE GENERALE PARIS	2680
SOUTH STREET SECURITIES LLC	7451
SOUTH STREET SECURITIES LLC/IMS	4006
STATE STREET BANK AND TRUST COMPANY	0997
FIDUCIARY SSB	0987
STATE STREET BANK AND TRUST COMPANY/IPA	1526
SSB-PHYSICAL CUSTODY SERVICES	2193
SSB - TRUST CUSTODY	2319
STATE STREET BANK & TRUST COMPANY / ISHARES EUROPE	2375
STATE STREET BANK AND TRUST COMPANY/DEUTSCHE BANK FRANKFURT	2399
SSB - BANK PORTFOLIO	2436
STATE STREET BANK AND TRUST COMPANY/DB RESIDUAL PROCESSING ACCOUNT	2546
SSB&T/SEC FIN AS PRINCIPAL	2625
SSB&T CO/CLIENT CUSTODY SERVICES	2678
SSB - BLACKROCK INSTITUTIONAL TRUST	2767
STATE STREET BANK & TRUST/STATE STREET TOTALETf	2950
STATE STREET BANK & TRUST COMPANY/LENDING PASS-THROUGH	7268
STATE STREET BANK & TRUST COMPANY/EC, GMBH	8147
STATE STREET BANK AND TRUST COMPANY, N.A.	2386
STATE STREET GLOBAL MARKETS, LLC	0189
STEPHENS INC.	0419
STIFEL, NICOLAUS & COMPANY, INCORPORATED	0793
STIFEL, NICOLAUS & COMPANY, INC./STIFEL SECURITIES LENDING	8385
STOCKCROSS FINANCIAL SERVICES, INC.	0445
STOCKCROSS FINANCIAL SERVICES, INC./#3	8513
SUMITOMO MITSUI TRUST BANK (U.S.A.) LIMITED	2779
SUNTRUST BANK	2971
SUNTRUST BANK / STB RETAIL CD	2114
SUNTRUST BANK/SUNTRUST BANK DEALER BANK	2262

PARTICIPANT ACCOUNT NAME	NUMBER
SUNTRUST BANK/SAFEKEEPING CUSTODIAN FOR STRH	2717
SUNTRUST BANK/SUPPLY CHAIN FINANCE	4053
SUNTRUST ROBINSON HUMPHREY, INC.	2095
SYNOVUS BANK	2578
SYNOVUS BANK/SYNOVUS 2	2579
TD AMERITRADE CLEARING, INC.	0188
TD AMERITRADE CLEARING, INC./SECURITIES LENDING	5298
TD PRIME SERVICES LLC	0284
TD PRIME SERVICES LLC/STOCK LOAN	7578
TD SECURITIES (USA) LLC	2568
TD SECURITIES (USA) LLC/ TORONTO DOMINION SECURITIES INC.	7593
TEMPER OF THE TIMES INVESTOR SERVICES, INC.	5175
TEXAS TREASURY SAFEKEEPING TRUST COMPANY	2622
TEXAS TREASURY SAFEKEEPING TRUST COMPANY/IPA	1584
TEXAS TREASURY SAFEKEEPING TRUST COMPANY/NUP	8486
THE BANK OF NEW YORK MELLON	0901
THE BANK OF NEW YORK MELLON/MELLON TRUST OF NEW ENGLAND, NATIONAL ASSOCIATION	0954
BNYMELLON/RE ETF - UIT DTC/NSCC 0963	0963
BNYMELLON/RE DE SHAW US BROAD MC ALP E PORT LLC	1414
BNYMELLON/RE DE SHAW US L CAP C ALP EX PORT LLC	1416
BNYMELLON/DEDICATED PARTICIPANT #66	1419
BNYMELLON/RE DE SHAW BMCAE SPECIAL FUND LP	1420
BNYMELLON/RE DES US BMC ALP E S PORT II MA LLC	1421
THE BANK OF NEW YORK MELLON/IPA	1541
THE BANK OF NEW YORK MELLON/HH ELLINGTON MASTER FUND LTD	1961
BNYMELLON/RE BGC BROKERS LP	2002
THE BANK OF NEW YORK MELLON/SOC GEN BANK	2020
THE BANK OF NEW YORK MELLON/HBK GLOBAL SECURITIES LP	2022
THE BANK OF NEW YORK MELLON/FMSBONDS, INC.	2023
BNYMELLON/RE BNYMSANV RE FIRM	2026
THE BANK OF NEW YORK MELLON/HBK MASTER FUND LP	2046
BNYMELLON/RE DBTCA-DB AG LDN PB - CLIENT ACCOUNT	2057
BNYMELLON/RE DBTCA/DB AG LDN PB-DEUTSCHE BANK NY	2059
BNYMELLON/RE BNP PARIBAS TRI-PARTY ACCOUNT	2070
BNYMELLON/RE BNYMSANVAMS RE FIRM LAB	2074
BNYMELLON/RE DBTCA/DB AG LDN PB CHEYNE VALUE FUND LP	2079
THE BANK OF NEW YORK MELLON/NATIXIS FUNDING CORP	2089
BNYMELLON/RE DB AG LON PB POLGON GL OP M/FD	2090
BNYMELLON/RE RABOBANK INTERNATIONAL UNEF	2091
BNYMELLON/RE SUNTRUST BANK	2093
BNYMELLON/RE SUNTRUST BANK PORTFOLIO	2100
BNYMELLON/RE BARCLAYS CAPITAL SECURITIES LTD.	2103
THE BANK OF NEW YORK MELLON/FIFTH THIRD BANK	2105
BNYMELLON/RE ALLSTATE MARK TO MARKETS	2106
THE BANK OF NEW YORK MELLON/COMMERCIAL LOANS	2107
BNYMELLON/RE ICBC STANDARD BANK PLC	2109
BNYMELLON/RE NOMURA PB NOMINEES LTD	2131
THE BANK OF NEW YORK MELLON/IVORS	2136
THE BANK OF NEW YORK MELLON/ELLINGTON SPECIAL OPPORTUNITIES FUND, LTD.	2138
BNYMELLON/RE FIRM INVESTMENT ACCOUNT	2151
THE BANK OF NEW YORK MELLON/DEUTSCHE BANK LONDON AG LONDON/GLOBAL MARKET #2	2155
BNYMELLON/RE DBTCA/DB AG LDN PB MULTI SEG CLEARANCE	2156
BNYMELLON/RE DBTCA/DB AG LDN B CHEYNE SPEC'L SIT FD	2160
BNYMELLON/RE D E SHAW HELIANT CAPITAL LLC	2169
THE BANK OF NEW YORK MELLON/CDC MORTGAGE CAPITAL INC.	2176
THE BANK OF NEW YORK MELLON/TULLETT PREBORN FINANCIAL SERVICES 1	2189
THE BANK OF NEW YORK MELLON/TULLETT PREBORN FINANCIAL SERVICES	2190
THE BANK OF NEW YORK MELLON/BARCLAYS BANK PLC	2196
BANK NEW YORK MELLON/FIRM ITC-INVESTMENT DEALER	2206
BNYMELLON/RE RABOBANK INTERNATIONAL LONDON EQUITY FINANCE	2207
BNYMELLON/RE MIDCAP SPDRS	2209
THE BANK OF NEW YORK MELLON/EF SECURITIES LLC	2220
THE BANK OF NEW YORK MELLON/NATIXIS FINANCIAL PRODUCTS INC	2224
THE BANK OF NEW YORK MELLON/E-TRADE BANK	2225
BNYMELLON/RE NATIXIS FIXED INCOME	2243
BNYMELLON/RE NATIXIS	2244
THE BANK OF NEW YORK MELLON/CDC HOLDINGS TRUST INC.	2264
BNY MELLON/NOMURA INT'L PLC REPO	2281
THE BANK OF NEW YORK MELLON/PREBON FINANCIAL PRODUCTS, INC.	2291
BNYMELLON/RE ING BANK NV LONDON BRANCH	2307

PARTICIPANT ACCOUNT NAME	NUMBER
BNYMELLON/RE BOA NA	2308
BNYMELLON/RE BARCLAYS (BGIS)	2313
BNYMELLON/RE BARCLAYS BANK PLC - PLEDGE ACCOUNT	2324
BNY MELLON/ANWORTH MORTGAGE ASSET CORP.	2328
BNYMELLON/RE CHARLES STANLEY AND COMPANY, LIMITED	2336
BNYMELLON/RE ITC - DEALERS CLEARANCE SPECIAL	2339
THE BANK OF NEW YORK MELLON/ELLINGTON MORTGAGE FUND SC, LTD.	2342
THE BANK OF NEW YORK MELLON/SOCIETE GENERALE GIC	2358
BNYMELLON/RE HSBC BANK PLC PARIS BRANCH	2359
BNYMELLON/RE FIRM SECURITIES FINANCE	2361
THE BANK OF NEW YORK MELLON/CRESCENT II FUND L.P.	2362
BNYMELLON/RE HSBC BANK PLC EQD USBR	2363
BNYMELLON/RE BARCLAYS CAP SEC LTD PB SEG 1	2366
BNYMELLON/RE BARCLAYS CAP SEC LTD PB SEG 2	2367
BNYMELLON/RE FIRM TRADE INS	2381
BNYMELLON/RE VANGUARD BLOCK LENDING	2407
THE BANK OF NEW YORK MELLON/ELLINGTON MORTGAGE OPPORTUNITIES MASTER FUND LTD.	2417
THE BANK OF NEW YORK MELLON/MERRILL LYNCH PIERCE FENNER & SMITH	2427
BNYMELLON/RE DBTC AMERICAS/DEUTSCHE BANK LONDON PRIME	2428
BNYMELLON/RE CACEIS BANK S.A	2443
THE BANK OF NEW YORK MELLON/FSA	2444
BNYMELLON/RE DBTC AMERICAS/DEUTSCHE BK LONDON PRIME SEG 15/00	2452
BNYMELLON/RE DBTC/DEUTSCHE BK LONDON PRIME SEG 1	2453
BNYMELLON/RE DBTC/DEUTSCHE BK LONDON PRIME SEG 2	2454
BNYMELLON/RE HSBC BANK PLC	2462
BNYMELLON/RE DEUTSCHE BANK AG FRANKFURT	2468
THE BANK OF NEW YORK MELLON/MIZUHO BANK LTD.	2469
BNYMELLON/RE DR CUSTODY ACCOUNT	2472
BNYMELLON/RE MILLENNIUM PARTNERS	2474
THE BANK OF NEW YORK MELLON/ANNALY COMMERCIAL REAL ESTATE GR.	2475
THE BANK OF NEW YORK MELLON/DBAG LONDON GLOBAL MARKETS (CLIENT ACCT)	2478
THE BANK OF NEW YORK MELLON/DBAG FRANKFURT GLOBAL MARKET	2479
THE BANK OF NEW YORK MELLON/DBAG LONDON GLOBAL MARKET	2485
BNYMELLON/RE RABOBANK UTRECHT FIXED INCOME	2486
BNYMELLON/RE DBAG PB UCITS CLIENTS	2488
BNYMELLON/RE RABOBANK INTL UTRECHT EQUITY FIN	2490
THE BANK OF NEW YORK MELLON/TD BANK	2491
BNYMELLON/RE BOA SECURITIES LTD. (BASL)	2494
BNYMELLON/RE BARCLAYS PAYMENT SOLUTIONS INC	2496
BNYMELLON/RE NOMURA CL SETT NOM LTD	2499
THE BANK OF NEW YORK MELLON/ANNALY MORTGAGE	2502
BNYMELLON/RE DEPOSITARY RECEIPT SERVICES/MERRILL LYNCH REDEM.	2504
BNYMELLON/RE THE PRUDENTIAL INVESTMENT	2510
THE BANK OF NEW YORK MELLON/BROKER DEALER OMNIBUS	2535
THE BANK OF NEW YORK MELLON/NOMURA BANK INTL PLC	2543
BNYMELLON/RE DAVY SECURITIES LIMITED	2553
THE BANK OF NEW YORK MELLON/BAKERGROUP	2565
BNYMELLON/RE ANCHORAGE CAPITAL	2566
BNYMELLON/RE RABOBANK INTERNATIONAL NY	2573
BNYMELLON/RE DEUTSCHE BANK AG LONDON PRIME BROKERAGE	2582
BNYMELLON/RE BANCO SANTANDER SLB	2590
BNYMELLON/RE FIRM INVESTMENT PORTFOLIO	2595
BNYMELLON/RE CACEIS BANK DEUTSCHLAND GMBH	2598
BNYMELLON/RE TRADITION LONDON CLEARING LTD.	2601
BNYMELLON/RE MIZUHO INTERNATIONAL	2621
BNYMELLON/RE AIG	2630
BNYMELLON/RE GOV & CO BANK OF ENGLAND	2634
BNYMELLON/RE BARCLAYS CAPITAL INC.	2641
BNYMELLON/RE GLOBAL PRIME PARTNERS	2648
THE BANK OF NEW YORK MELLON/DEALERWEB INC.	2650
BNYMELLON/RE JW GIDDENS TRUSTEE LIQ LEHMAN BROS	2657
BNYMELLON/RE RABO CAPITAL SERVICES	2677
THE BANK OF NEW YORK MELLON/TDB UNENCUMBERED	2679
THE BANK OF NEW YORK MELLON/ITC-DEALERS CLEARANCE GENERAL	2681
THE BANK OF NEW YORK MELLON/TD NY	2683
BNYMELLON/RE DE SHAW & CO.	2709
BNYMELLON/RE ICAP LONDON	2711
BNYMELLON/RE NATIONAL BANK OF AUSTRALIA	2714
BNYMELLON/RE D.E. SHAW KALON PORTFOLIOS, L.L.C.	2716
BNYMELLON/RE NOMURA CNS NOM RE: TFS DER	2718
BNYMELLON/RE DBLPB-DBX RISK ARBITAGE 8 FUND	2719
BNYMELLON/RE BARCLAYS BK PLC-BARC LUX SARL A/C 1	2720
BNYMELLON/RE BARCLAYS BK PLC-BARC LUX SARL A/C 2	2721
BNYMELLON/RE DBLPB-CENTAURUS PROXIMA FD	2724
BNYMELLON/RE DBLPB-DBX-ASIAN L/S EQUITY 2 FUND	2726
BNYMELLON/RE OZ OMNIBUS DTC ACCOUNT	2731
THE BANK OF NEW YORK MELLON/ELLINGTON CREDIT OPPORTUNITIES LTD.	2776
THE BANK OF NEW YORK MELLON/ST. BERNARD OPPORTUNITY FUND 1, LTD.	2784

PARTICIPANT ACCOUNT NAME	NUMBER
BNYMELLON/RE MILLENNIUM FIXED INCOME LTD	2785
BNYMELLON/RE BBPLC PB CAYMEN CLIENTS	2802
BNYMELLON/RE BBPLC PB CANADIAN CLIENTS	2825
THE BANK OF NEW YORK MELLON/DEUTSCHE BANK AG	2828
BNYMELLON/RE HSBC BANK PLC	2830
BNYMELLON/RE SMBC NIKKO SECURITIES AMERICA INC	2838
THE BANK OF NEW YORK MELLON/EF MORTGAGE, LLC	2841
THE BANK OF NEW YORK MELLON/EF CMO, LLC	2842
BNYMELLON/RE SMBC NIKKO CAPITAL MARKETS LTD	2843
BNYMELLON/RE BBPLC PB UK CLIENTS	2844
BNYMELLON/RE (AG) DESHAW OCULUS PORT LLC.PLGCCOLL AC	2846
BNYMELLON/RE FIRM SMPT ASSETS	2858
BNYMELLON/RE FIRM SECURED FINANCE	2868
THE BANK OF NEW YORK MELLON/TD BANK N.A.	2872
THE BANK OF NEW YORK MELLON/CHIMERA INVESTMENT CORPORATION	2874
THE BANK OF NEW YORK MELLON/CHIMERA RMBS WHOLE POOL LLC (F/K/A CIM ASSET HOLDING)	2875
THE BANK OF NEW YORK MELLON/CHIMERA RMBS LLC (F/K/A CIM HOLDING)	2893
THE BANK OF NEW YORK MELLON/CHIMERA SECURITIES HOLDING LLC	2899
THE BANK OF NEW YORK MELLON/CHIMERA SPECIAL HOLDING LLC	2901
THE BANK OF NEW YORK MELLON/BAKER2	2903
THE BANK OF NEW YORK MELLON/CHIMERA TRADING COMPANY LLC	2906
BNYMELLON/RE ANZ MELBOURNE	2908
BNYMELLON/RE BARCLAYS BANK IRELAND TREASURY ACCT	2909
BNYMELLON/DEDICATED PARTICIPANT #59	2912
THE BANK OF NEW YORK MELLON/ELLINGTON STRATEGIC MBS LP II	2913
BNYMELLON/RE HSBC FRANCE	2919
THE BANK OF NEW YORK MELLON/NATIXIS SECURITIES AMERICAS LLC	2920
BNYMELLON/RE BARCLAYS BANK IRELAND	2922
BNYMELLON/RE BNYMSANVFFT RE FIRM	2926
BNYMELLON/RE BARCLAYS BANK PLC	2931
THE BANK OF NEW YORK MELLON/VINNING SPARKS, IBG, L.P.	2940
BNYMELLON/RE BARCLAYS BANK IRELAND PLC F	2947
BNYMELLON/RE MIZUHO SECURITIES EUROPE GMBH	2948
BNYMELLON/RE RBC I&TS	2985
THE BANK OF NEW YORK MELLON/WFC HOLDINGS CORPORATION	3516
BNYMELLON/RE NORDEA DK/SEC FINANCE SE	3593
BNYMELLON/NOMURA FINANCIAL PRODUCTS EUROPE GMBH	3916
BNYMELLON/RE RBC CAPITAL MARKETS (EUROPE) GMBH	3967
BNYMELLON/RE DESHAW US LARGE CAP CORE PORTS L.L.C	3968
BNYMELLON/RE J.P MORGAN CHASE BANK N.A	3970
BNYMELLON/RE BARCLAYS BANK DELAWARE	3972
BNYMELLON/RE SMBC CAPITAL MARKETS FRANKFURT	3973
BNYMELLON/DEDICATED PARTICIPANT #74	4084
BNYMELLON/DEDICATED PARTICIPANT #75	4085
BNYMELLON/DEDICATED PARTICIPANT #76	4086
BNYMELLON/DEDICATED PARTICIPANT #77	4087
BNYMELLON/DEDICATED PARTICIPANT #78	4088
BNYMELLON/RE FIRM RE SANV	4556
BNYMELLON/RE ANZ BANKING GROUP LIMITED	6501
BNYMELLON/RE HSBC BANK HONG KONG	7387
BNYMELLON/WFB.NA WELLS FARGO BANK NA PI	8043
BNYMELLON/WF & CO WELLS FARGO & COMPANY	8077
BNYMELLON/RE FIRM BORROW PLUS	8107
THE BANK OF NEW YORK MELLON/EARN SECURITIES LLC	8115
THE BANK OF NEW YORK MELLON/EARN CMO LLC	8116
THE BANK OF NEW YORK MELLON/EARN MORTGAGE LLC	8117
THE BANK OF NEW YORK MELLON/NOMURA FIN. PRODUCTS & SERVICES INC.	8123
BNYMELLON/RE FIRM HOLDING CO.	8132
BNYMELLON/RE BNYMSANVLB RE FIRM	8134
BNYMELLON/RE BBPLC F LRCM REPO	8139
BNYMELLON/WEALTH MANAGEMENT	8275
BNYMELLON/RE BNYMLB RE FIRM SF	8310
BNYMELLON/RE BNYMLB RE FIRM	8311
BNYMELLON/RE CACEIS BANK	8313
BNYMELLON/RE CBD BAADER AG	8314
BNYMELLON/RE CBD STEUBING AG	8317
BNYMELLON/RE WINTERFLOOD SECURITIES LTD	8318
BNYMELLON/RE CACEIS BANK LUXEMBOURG	8320
BNYMELLON/RE GFI SECURITIES LTD	8321
BNYMELLON/RE UIT NSCC CNS CLEARANCE	8355
THE BANK OF NEW YORK MELLON/NOMURA SECURITIES (BERMUDA) LTD.	8387
BNYM/EF CORPORATE HOLDINGS LLC	8412
BNYMELLON/RE BB RE FIRM	8414
BNYMELLON/RE FFT RE FIRM	8417
BNYMELLON/RE NA-BANK CUSTODY	8420
BNYMELLON/RE BNYMIL FIRM	8421
BNYMELLON/RE RABOBANK LONDONBRANCH FIXED INCOME	8423
BNYMELLON/RE CBD ICF BANK AG	8471

PARTICIPANT ACCOUNT NAME	NUMBER
BNYMELLON/RE RBC BARBADOS	8472
BNYMELLON/RE RBC CAPITAL MARKETS LLC	8474
BNYMELLON/RE RBCEL FIXED INCOME	8475
BNYMELLON/RE BARCLAYS BANK PLC LONDON	8476
BNYMELLON/RE BBPLC CLIENT COLL SEC LNBR SEG	8478
BNYMELLON/RE RBCLB EQUITY FINANCE	8479
BNYMELLON/RE BARCLAYS OVERSIGHT MANAGEMENT INC	8481
BNYMELLON/RE RBCLB FIXED INCOME	8482
BNYMELLON/RE BGC FINANCIAL LP M/M	8483
BNYMELLON/RE RBCEL EQUITY FINANCE	8487
BNYMELLON/RE COOPERATIEVE RABOBANK U.A.	8488
BNYMELLON/RE GCM CLIENT ACCOUNTS	8489
BNYMELLON/RE RBC BAHAMAS BRANCH	8490
BNYMELLON/RE DESHAW US BMCAE CUSTOM PORT L.L.C	8491
THE BANK OF NEW YORK MELLON/RBC BARBADOS TBC	8874
THE BANK OF NEW YORK MELLON /ELLINGTON GNMA MASTER FUND LTD	9110
THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION	2438
THE BANK OF NOVA SCOTIA, NEW YORK AGENCY	2347
BANK OF NOVA SCOTIA, NEW YORK AGENCY/IPA (THE)	1542
THE BANK OF NOVA SCOTIA, NEW YORK AGENCY/RATES DESK	2531
THE CENTRAL DEPOSITORY (PTE) LIMITED	5700
THE HUNTINGTON NATIONAL BANK	2305
HUNTINGTON NATIONAL BANK/IPA	1562
HUNTINGTON NATIONAL BANK/FBO OHIO POLICE AND PENSION FUND	2219
HUNTINGTON NATIONAL BANK/FBO SCHOOL EMPLOYEE RETIREMENT SYSTEM OF OHIO	2898
THE NASDAQ STOCK MARKET LLC	0734
NASDAQ STOCK MARKET LLC/OMNIBUS ACCOUNT	0759
THE NORTHERN TRUST COMPANY	2669
NORTHERN TRUST COMPANY/IPA	1560
NORTHERN TRUST COMPANY - SAFEKEEPING	2684
NORTHERN TRUST COMPANY/FUTURE FUND ACCOUNTS	2778
THE TEL-AVIV STOCK EXCHANGE CLEARING HOUSE LTD	2015
TIMBER HILL LLC	0549
TRADEBOT SYSTEMS, INC.	0083
TRADESTATION SECURITIES, INC.	0271
TRADESTATION SECURITIES, INC./TRADESTATION SECURITIES, INC.	8035
TRADITION SECURITIES & DERIVATIVES INC.	0370
TRUST COMPANY OF AMERICA	5981
TULLETT PREBON FINANCIAL SERVICES LLC	0624
U.S. BANCORP INVESTMENTS, INC.	0280
U.S. BANK N.A.	2803
U.S. BANK N.A./CP	1510
U.S. BANK N.A./SAFEKEEPING WEST	2234
U.S. BANK N.A./ETF	2580
U.S. BANK, N.A./U.S. BANK MUNICIPAL SECURITIES GROUP	2781
U.S. BANK N.A./THIRD PARTY LENDING	2837
U.S. BANK N.A./TRUST NY MTN	2897
U.S. BANK N.A./QUASAR DISTRIBUTORS, LLC DEALER CLEARING SERVICES	9487
UBS AG, STAMFORD BRANCH	0979
UBS AG, STAMFORD BRANCH/IPA ACCOUNT	1540
UBS AG, STAMFORD BRANCH/AC PB CLIENTS-NO UBS LIEN	2003
UBS AG STAMFORD BRANCH/AS CUSTODIAN FOR UBS AG LONDON BRANCH	2507
UBS FINANCIAL SERVICES INC.	0221
UBS FINANCIAL SERVICES INC./GOVERNMENT SECURITIES ACCOUNT #2	5170
UBS SECURITIES LLC	0642
UBS SECURITIES LLC/CMO	0652
UBS SECURITIES LLC/SECURITIES LENDING	5284
UMB BANK, NATIONAL ASSOCIATION	2450
UMB BANK, INVESTMENT DIVISION	2451

PARTICIPANT ACCOUNT NAME	NUMBER
UNION BANK & TRUST COMPANY	2067
VANGUARD MARKETING CORPORATION	0062
VELOCITY CAPITAL LLC	6019
VIRTU FINANCIAL BD LLC	0063
VIRTU FINANCIAL CAPITAL MARKETS LLC	0749
VISION FINANCIAL MARKETS LLC	0595
VISION FINANCIAL MARKETS LLC/SECURITIES LENDING	8493
WACHTEL & CO., INC.	0709
WEDBUSH SECURITIES INC.	0103
WEDBUSH SECURITIES INC./STOCK LOAN	5166
WEDBUSH SECURITIES INC./P3	8199
WEDBUSH SECURITIES INC./P3 STOCK LOAN	8237
WELLS FARGO BANK, NATIONAL ASSOCIATION	2027
WELLS FARGO BANK, N.A. ISSUING/PAYING AGENT	1538
WELLS FARGO BANK, N.A./LENDING	2040
WELLS FARGO BANK, N.A./SIG	2072
WELLS FARGO CLEARING SERVICES LLC	0141
WELLS FARGO CLEARING SERVICES, LLC/SECURITIES LENDING MATCH BOOK	5237
WELLS FARGO CLEARING SERVICES LLC/SUB ACCOUNT WFA REPO	7360
WELLS FARGO SECURITIES, LLC	0250
WELLS FARGO SECURITIES, LLC/SECURITIES FINANCE	2480
WESBANCO BANK, INC.	2271
WILLIAM BLAIR & COMPANY, L.L.C.	0771
WILSON-DAVIS & CO., INC.	0283
WOLVERINE EXECUTION SERVICES, LLC	7350
ZIONS DIRECT, INC.	0065
ZIONS BANCORPORATION, NATIONAL ASSOCIATION	2104
ZIONS BANCORPORATION, NATIONAL ASSOCIATION/CT ISSUE & PAY A/C/IPA	1586
ZIONS BANCORPORATION, NATIONAL ASSOCIATION/WESTERN NATIONAL	2736
ZIONS BANCORPORATION, NATIONAL ASSOCIATION/PORTFOLIO	8233
ZIV INVESTMENT CO.	8082