March 7th, 2024

Fixed Income Clearing Corporation

MBS Division

Full Service Contact List

Please review the information and email any modifications to: MBSallocations@dtcc.com

Contact Information

Allocations/Settlements Hotline	212-855-7886	MBSallocations@dtcc.com
Client Support/Technical issues Option 5 and 5	888-382-2721	

Please note that Clearing and EPN contact information is received from our participants. Please notify FICC Operations with any changes or updates to keep this data current.

Verify your contact information below and e-mail MBSallocations@dtcc.com with any updates or changes.

DTCC Public (White)

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
APEX CLEARING CORPORATION	**364-01**	**ADPC**	**SBO/OPTN**	**POOLNET**
ERROL A JONAS	*SUPERVISOR*			(516) 472-5080
ALLOCATIONS	*MBSCC*			(866) 502-7369
TRADE ASSIGNMENTS FAX#				(646) 390-3328
ALLOCATIONS FAX				(516) 472-5404
ARCOLA SECURITIES, INC.	**447-01**	**RCAP**	**SBO**	**POOLNET**
JASON KUMP	*MANAGER*			(646) 829-0141
BANK OF AMERICA, N.A.	**252-02**	**BACI**	**SBO/OPTN**	**POOLNET**
CHRISTOPHER GLYNN	*MANAGER*			(908) 388-4872
ALLOCATIONS / POOL INFO				(980) 386-9430
MBSCC/TRADE ASSIGNMENTS	*Dg.mbs_allocations@bankofamerica.com*			
BANK OF AMERICA, N.A.	**252-06**	**BACW**	**SBO**	**POOLNET**
SEE BANK OF AMERICA, N.A. (BACI)				
BANK OF AMERICA, N.A.	**252-02**	**BAFS**	**TFTD**	**POOLNET**
SEE BANK OF AMERICA, N.A. (BACI)				
BANK OF AMERICA, N.A.	**252-04**	**BAML**	**SBO/OPTN**	**POOLNET**
SEE BANK OF AMERICA, N.A. (BACI)				
BANK OF AMERICA, N.A.	**252-05**	**BAMR**	**SBO**	**POOLNET**
SEE BANK OF AMERICA, N.A. (BACI)				
BANK OF MONTREAL, CHICAGO BRANCH	**176-01**	**BMTL**	**SBO**	**POOLNET**
CHRIS WAGNER	*ASSOCIATE DIRECTOR FIXED INCOME OPS*			(312) 845-5030
ROBERT VACCA	*DIRECTOR OF OPS*			(646) 640-1260
BANK OF OKLAHOMA N.A.	**305-01**	**BOKF**	**SBO**	**POOLNET**
LAURA MCCORKLE	*MANAGER*			(405) 272-2463
SUSAN LEDFORD	*MBS*			(405) 272-2210
DREW JUDD	*POOL INFO*			(405) 272-2162
DORLINDA DILL	*MBS*			(405) 272-2010
SHARON MCCARTHY	*NOS*			(405) 272-2472
BARCLAYS CAPITAL INC.	**350-01**	**BCAP**	**SBO/OPTN**	**POOLNET**
KRISTIAN HAKANSON	*VP*			(212) 320-7397
ALLOCATIONS HOTLINE				(201) 499-0388
MBS/GOV'T CLEARANCE				(201) 499-2860
FICC HOTLINE				(201) 499-3076
ALLOCATION E-MAIL	*mbsallocation@barclays.com*			
ASSIGNMENT E-MAIL	*xrambscctradeassignm@barclays.com*			
TBA PAIR OFF E-MAIL	*mbsasstsrvg@barclays.com*			
BETHESDA SECURITIES LLC.	**420-01**	**BETH**	**SBO**	**POOLNET**
ANDREW SULLIVAN	*MANAGER*			(203) 429-0724
OPERATIONS GROUP				(203) 429-0714
OPERATIONS EMAIL	*BethOps@BethesdaSecurities.com*			
BGC FINANCIAL L.P.	**409-03**	**EBKR**	**SBO**	**BROKER**
SEE BGC FINANCIAL L.P. (FCGB)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
BGC FINANCIAL, L.P.	**409-01**	**FCGB**	**SBO**	**BROKER**
WILLIAM MURPHY	*MANAGING DIRECTOR*			(904) 598-9261
HENRY ROSENBLUM	*SENIOR VICE PRESIDENT*			(904) 598-9308
MBS ALLOCATIONS	*mbsallocations@cantor.com*			(212) 829-4914
BMO CAPITAL MARKETS CORP	**484-01**	**BMOC**	**SBO**	**POOLNET**
ROBERT VACCA	*MANAGER*			(646) 640-1260
ELIZABETH BARTON	*MBS ALLOCATIONS*			(646) 799-4165
ERIC ZALINKANSKAS	*MBS ALLOCATIONS*			(646) 640-1262
CHRIS WAGNER	*BILLING*			(312) 845-5030
MARK GRANZOW	*TECHNICAL*			(312) 461-6207
BNP PARIBAS SECURITIES CORP	**346-01**	**BNPP**	**SBO/OPTN**	**POOLNET**
NETANEL COHEN	*MANAGING DIRECTOR*			(212) 340-5400
POOL INFO	*MBS/POOLNETTING*			(212) 841-2479
FAX				(929) 226-6959
ALLOCATION EMAIL	*mbs.allocations@americas.bnpparibas.com*			
BNP PARIBAS SECURITIES CORP	**346-01**	**BNPX**	**SBO/OPTN**	**POOLNET**
SEE BNP PARIBAS SECURITIES (BNPP)				
BNY MELLON CAPITAL MARKETS, LLC	**395-01**	**BNYM**	**SBO**	**POOLNET**
DENNIS GOODING	*VICE PRESIDENT*			(212) 815-6065
KEITH FLEMM	*MBS OPERATIONS*			(212) 815-2615
ROSE MARIE RIZZO	*MBS OPERATIONS*			(212) 815-2334
TAEK JUNG	*TECHNICAL*			(646) 823-7142
MBS OPERATIONS HOTLINE	*HOTLINE*			(212) 815-6411
MBS OPERATIONS EMAIL	*ratesbnycm@bnymellon.com*			(212) 815-6065

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
BOFA SECURITIES INC	**126-03**	**MBBA**	**SBO/OPTN**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**126-01**	**MBNB**	**SBO/OPTN**	**POOLNET**
CHRISTOPHER GLYNN	*MANAGER*			(980) 386-9430
ALLOCATIONS / POOL INFO	*Dg.mbs_allocations@bankofamerica.com*			(980) 386-9430
MBSCC/TRADE ASSIGNMENTS	*Dg.mbs_allocations@bankofamerica.com*			(980) 386-9430
BOFA SECURITIES INC	**371-47**	**MLCH**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-13**	**MLCJ**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-53**	**MLDB**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-54**	**MLDC**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-55**	**MLDE**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-56**	**MLDF**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-58**	**MLDH**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-59**	**MLDJ**	**SBO/OPTN**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-60**	**MLDK**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-61**	**MLDL**	**SBO**	**POOLNET**
SEE BOFA SECURITIES LLC (MBNB)				
BOFA SECURITIES INC	**371-15**	**MLDR**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-41**	**MLGA**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-48**	**MLHB**	**SBO**	**POOLNET**
SEE BOFA SECURITIES LLC (MBNB)				
BOFA SECURITIES INC	**371-52**	**MLPC**	**SBO**	**POOLNET**
SEE BOFA SECURITIES (MBNB)				
BOFA SECURITIES INC	**371-49**	**MLPD**	**SBO / OPT**	**POOLNET**
SEE BOFA SECURITIES (MBNB)				
BOFA SECURITIES INC	**371-01**	**MLPF**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BOFA SECURITIES INC	**371-23**	**MLVO**	**SBO**	**POOLNET**
SEE BOFA SECURITIES INC (MBNB)				
BROKERTEC AMERICAS LLC	**491-01**	**BTAC**	**SBO**	**BROKER**
MICHAEL LEZZO	*DIRECTOR OF OPERATIONS*			(212) 704-5668

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
CANTOR FITZGERALD & CO	**105-03**	**CANT**	**SBO**	**POOLNET**
WILLIAM MURPHY	*MANAGING DIRECTOR*			(904) 598-9261
HENRY ROSENBLUM	*SVP*			(904) 598-9308
MBS ALLOCATIONS	*mbsallocations@cantor.com*			
CANTOR FITZGERALD & CO	**105-34**	**CFCA**	**SBO**	**POOLNET**
SEE CANTOR FITZGERALD & CO (CANT)				
CAPITAL ONE N.A.	**422-01**	**CAPN**	**SBO**	**POOLNET**
SARAH MOY	*MANAGER*			(703) 720-2046
MATT CARLSON	*MANAGER*			(703) 720-3599
OPERATIONS HOTLINE	*securitiesoperations@capitalone.com*			
CAPITAL ONE N.A.	**422-02**	**CONA**	**SBO**	**POOLNET**
SEE CAPITAL ONE, NA (CAPN)				
CF SECURED LLC	**485-16**	**ZEPP**	**SBO**	**POOLNET**
SEE CANTOR FITZGERALD & CO (CANT)				
CF SECURED, LLC	**485-01**	**CFSL**	**SBO**	**POOLNET**
SEE CANTOR FITZGERALD & CO (CANT)				
CF SECURED, LLC	**485-14**	**KCMF**	**SBO**	**POOLNET**
SEE CANTOR FITZGERALD & CO (CANT)				
CF SECURED, LLC	**485-15**	**POLP**	**SBO**	**POOLNET**
SEE CANTOR FITZGERALD & CO (CANTOR)				
CITADEL GLOBAL FIXED INC MASTER FD LTD	**433-01**	**CITE**	**SBO/OPTN**	**POOLNET**
RICHARD MORSE	*SVP*			(312) 444-5307
POOL INFORMATION	*HOTLINE*			(312) 630-6234
SETTLEMENTS	*SETTLEMENTS*			(312) 443-5350
KAREN JONES	*MANAGER FICC*			(312) 395-2874
FICC	*HOTLINE*			(312) 395-2846
CITADEL SECURITIES LLC	**432-01**	**CITD**	**SBO**	**POOLNET**
RICHARD MORSE	*SVP*			(312) 444-5307
POOL INFORMATION	*HOTLINE*			(312) 630-6234
SETTLEMENTS	*SETTLEMENTS*			(312) 443-5350
KAREN JONES	*MANAGER FICC*			(312) 395-2874
FICC	*HOTLINE*			(312) 395-2846

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
CITIBANK NA	**540-02**	**CBGM**	**SBO/OPTN**	**POOLNET**
SEE CITIBANK NA (CBNA)				
CITIBANK NA	**540-01**	**CBNA**	**SBO/OPTN**	**POOLNET**
ALLOCATION HOTLINE	*ALLOCATIONS*			(716) 730-8009
FICC HOTLINE	*FICC*			(716) 730-8010
DANIEL GARTLAND	*AVP ALLOCATIONS*			(716) 730-6023
ALLOCATIONS FAX	*ALLOCATIONS FAX*			(866) 201-3716
ASSIGNMENT FAX	*ASSIGNMENT FAX*			(877) 267-6032
KATIE EVANS	*VP SETTLEMENTS*			(716) 730-8116
CITIBANK NA	**465-01**	**CBTY**	**SBO**	**POOLNET**
ALLOCATION HOTLINE	*ALLOCATIONS*			(716) 730-8009
FICC HOTLINE	*FICC*			(716) 730-8010
DANIEL GARTLAND	*AVP ALLOCATIONS*			(716) 730-6023
KATIE EVANS	*VP SETTLEMENTS*			(716) 730-8116

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
CITIGROUP GLOBAL MARKETS INC	**140-01**	**MBSL**	**SBO**	**POOLNET**
RICHARD HARTNETT	*MBSD MANAGER*			(716) 730-7924
MIKE HYMES	*MBSD ALLOCATIONS*			(716) 730-7297
SEAN KRISHER	*MBSD ALLOCATIONS*			(716) 760-7081
ERIC BAYLOR	*MBSD ALLOCATIONS*			(716) 730-7082
DANIEL GARTLAND	*AVP ALLOCATIONS*			(716) 730-6023
SPECIAL ACCOUNT HOTLINE	*SPECIAL*			(716) 730-8011
FICC HOTLINE	*FICC*			(716) 730-8010
ALLOCATIONS FAX	*ALLOCATIONS FAX*			(866) 201-3716
ASSIGNMENT FAX	*ASSIGNMENT FAX*			(877) 267-6032
SUSAN PUSTULKA	*AVP SETTLEMENTS*			(716) 730-8014
CASH WIRES	*CASH WIRES*			(716) 730-8014
VICTOR SUN	*TECHNICAL*			(908) 563-2197
GUILLERMO MACALINTAL	*TECHNICAL*			(201) 763-0188
CITIGROUP GLOBAL MARKETS INC	**140-40**	**MCLA**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-41**	**MCLB**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-42**	**MCLC**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-43**	**MCLD**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-44**	**MCLE**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-03**	**MMCF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-11**	**MMCM**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-21**	**MMCT**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-31**	**MMCU**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-09**	**MMCV**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-32**	**MMCW**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-05**	**MMCZ**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-04**	**MMDB**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-02**	**MMDE**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-12**	**MMDH**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
CITIGROUP GLOBAL MARKETS INC	**140-14**	**MMDI**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-34**	**MMDL**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-22**	**WBAP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-27**	**WBCB**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-36**	**WBCP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-25**	**WBGT**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-26**	**WBMS**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-37**	**WBRV**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC	**140-29**	**WBSP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC.	**140-01**	**MBSM**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC.	**140-01**	**MBSP**	**OPTN**	
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC.	**140-13**	**MMCN**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC.	**140-28**	**MMCY**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC.	**140-33**	**MMDC**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 39	**140-39**	**CGBE**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 45	**140-53**	**CGBF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 46	**140-51**	**CGBG**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 47	**140-39**	**CGBH**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 06	**140-06**	**MMDF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 07	**140-07**	**MMDG**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 10	**140-10**	**MMCL**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 11	**140-15**	**SBSG**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
CITIGROUP GLOBAL MARKETS INC. SPECIAL 12	**140-16**	**SBSF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 18	**140-18**	**CGMP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 19	**140-19**	**CGMQ**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 31	**140-30**	**CGSF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 74	**140-74**	**MMBC**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 75	**140-75**	**MMBD**	**SBO/OPTN**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 76	**140-76**	**MMBF**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 79	**140-79**	**MMBI**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 80	**140-80**	**MMBJ**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 82	**140-82**	**MMBN**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 84	**140-84**	**MMBP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 85	**140-85**	**MMBQ**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 87	**140-87**	**MMBS**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC. SPECIAL 97	**140-97**	**MMCC**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS INC./SPECIAL 20	**140-20**	**MMDY**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC (MBSL)				
CITIGROUP GLOBAL MARKETS, INC	**140-17**	**MMCP**	**SBO**	**POOLNET**
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)				
CITIGROUP GLOBAL MARKETS, INC	**140-83**	**MMEB**	**SBO/OPTN**	**POOLNET**
ELLEN LYNCH	*MBS ALLOCATIONS*			(636) 261-0437
BOBBI BAXTER	*MBS ALLOCATIONS*			(605) 731-3521
SARA STAHLECKER	*MBS ALLOCATIONS*			(605) 731-3119
CREF / BOND MARKET ACCOUNT	**289-01**	**CBMA**	**SBO**	**POOLNET**
EVAN HAGGETT	*MANAGER*			(704) 988-4141
OMA RAMPAUL	*POOL INFO*			(212) 916-4846
OMA RAMPAUL (ALT)	*POOL INFO*			(212) 916-6571
JOSEPH KERNER	*TECHNICAL*			(212) 916-6343
CREF / SOCIAL CHOICE ACCOUNT	**454-01**	**CSOC**	**SBO**	**POOLNET**
SEE CREF/BOND MARKET ACCOUNT (CBMA)				

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
DAIWA CAPITAL MARKETS AMERICA INC.	**373-01**	**DAIW**	**SBO**	**POOLNET**
NICHOLAS RUBINO	*DIRECTOR*			(212) 612-6189
MICHAEL RUGGIERO	*MANAGER*			(212) 612-6143
GROUP E-MAIL	*TBA_MortgageAllocations@us.daiwacm.com*			
DEALERWEB INC.	**904-01**	**DLWB**	**SBO**	**BROKER**
JORGE GALINDO				(201) 536-5762
SUMMIT DESAI				(201) 536-5784
SETTLEMENT OPERATIONS HOTLINE				(201) 536-5779
DEALERWEB INC. / HF	**121-02**	**MBEH**	**SBO**	**POOLNET**
VINCENT TORRES	*VP*			(646) 484-4401
CHRIS TILYOU	*MBS*			(212) 797-2115
BOB HEARON	*MBS*			(212) 797-2115
DEALERWEB INC. / HF	**121-01**	**MBHF**	**SBO**	**BROKER**
SEE DEALERWEB INC. / HF (MBEH)				
DEALERWEB INC. / HF	**121-01**	**MBWB**	**SBO**	**BROKER**
SEE DEALERWEB INC. / HF (MBEH)				
DEUTSCHE BANK AG	**168-01**	**MBDA**	**SBO**	**POOLNET**
JOHN RAHM	*VP*			(212) 250-2027
SCOTT STEPHENS	*AVP*			(904) 527-6436
GROUP EMAIL	*mbs.allocations@db.com*			
DEUTSCHE BANK SECURITIES INC.	**163-01**	**MBDB**	**SBO/OPTN**	**POOLNET**
JOHN RAHM	*VP*			(212) 250-2027
SCOTT STEPHENS	*AVP*			(904) 527-6436
GROUP EMAIL	*MBS.allocations@db.com*			
FANNIE MAE	**145-01**	**MBFN**	**SBO**	**POOLNET**
MARIA ROBINSON	*DIRECTOR*			(202) 752-2881
C.J.FELDHEIM	*MANAGER - ALLOCATIONS*			(202) 752-3679
BRIAN RIKER	*MANAGER - SETTLEMENTS*			(972) 861-6776
ALLOCATIONS HOTLINE	*RTTM, NETTING, EPN ,AOTS*			(202) 752-5384
SETTLEMENTS HOTLINE	*SETTLEMENTS, RR, FACTOR UPDATES*			(202) 752-4843
BRETT REED	*TECHNICAL PRIMARY*			(210) 781-1070
GEORGE VANDUZER	*MANAGER - TECHNICAL*			(703) 833-1408

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
FEDERAL HOME LOAN MORTGAGE CORP	**115-01**	**FMAC**	**SBO**	**POOLNET**
SEE FEDERAL HOME LOAN MORTGAGE CORP (FHPT)				
FEDERAL HOME LOAN MORTGAGE CORP	**115-01**	**FMEF**	**SBO**	**POOLNET**
JORGE PEREZ	*RTTM/ ALLOCATIONS*			(571) 382-5983
TYLER HANLEY	*RTTM/ ALLOCATIONS*			(703) 903-4001
GABRIELLE GRIFFITH	*RTTM/ ALLOCATIONS*			(571) 382-4652
BRAD GALOFARO	*SR. MANAGER (ESCALATION)*			(571) 382-5815
JAKE KELLY	*SR. DIRECTOR (ESCALATION)*			(212) 418-8902
EMAIL	*F&I_MBS_OPS@Freddiemac.com*			(212) 418-8902
FEDERAL HOME LOAN MORTGAGE CORP	**115-01**	**FMHG**	**SBO**	**POOLNET**
JORGE PEREZ	*ALLOCATIONS*			(571) 382-5948
BRAD OPAR	*RTTM*			(703) 918-5433
TRINA CARTER	*RTTM*			(571) 382-5699
BRAD GALOFARO	*SR. MANAGER (ESCALATION)*			(571) 382-5815
JAKE KELLY	*SR. DIRECTOR (ESCALATION)*			(212) 418-8902
	F&I_MBS_OPS@Freddiemac.com			
FEDERAL HOME LOAN MORTGAGE CORP	**115-01**	**MFRE**	**SBO**	**POOLNET**
JORGE PEREZ	*RTTM*			(571) 382-5983
TYLER HANLEY	*RTTM/ALLOCATIONS*			(703) 903-4001
GABRIELLE GRIFFITH	*RTTM*			(571) 382-4652
BRAD GALOFARO	*SR. MANAGER (ESCALATION)*			(571) 382-5815
JAKE KELLY	*SR. DIRECTOR (ESCALATION)*			(212) 418-8902
EMAIL	*F&I_MBS_OPS@Freddiemac.com*			
FEDERAL HOME LOAN MORTGAGE CORP. (CASH PC AUCTIONS	**115-01**	**MBFA**	**SBO**	**POOLNET**
BRAD OPAR	*RTTM/ ALLOCATIONS*			(571) 382-3494
TRINA CARTER	*RTTM*			(703) 918-5433
BRAD GALOFARO	*SR. MANAGER (ESCALATION)*			(571) 382-5815
JAKE KELLY	*SR. DIRECTOR (ESCALATION)*			(212) 418-8902
	F&I_MBS_OPS@Freddiemac.com			
FEDERAL HOME LOAN MORTGAGE CORP. (PORTFOLIO)	**115-01**	**FHPT**	**SBO**	**POOLNET**
OMAR JIMENEZ	*RTTM/ALLOCATIONS*			(571) 382-5849
TYLER HANLEY	*RTTM/ALLOCATIONS*			(703) 903-4001
JASON STROTHER	*RTTM*			(571) 382-5465
BRAD GALOFARO	*SR. MANAGER (ESCALATION)*			(571) 382-5815
JAKE KELLY	*SR. DIRECTOR (ESCALATION)*			(212) 418-8902
	F&I_MBS_OPS@Freddiemac.com			
FEDERAL HOME LOAN MORTGAGE CORP. (PORTFOLIO)	**115-01**	**FMSS**	**SBO**	**POOLNET**
SEE FEDERAL HOME LOAN MORTGAGE CORPORATIO (MBFA)				
FIRST HORIZON BANK	**186-01**	**FTEN**	**SBO**	**POOLNET**
JODY TREGLE	*MANAGER*			(901) 435-8745
ERIC JANSS				(212) 418-5064
KIM BLEDSOE	*MBSCC*			(901) 435-4748

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
FULTON BANK, NA	**461-01**	**FLTN**	**SBO**	**POOLNET**
KEITH B. PAICH	*DIRECTOR*			(717) 735-8554
HELI KWAMANAKWEENDA	*VP*			(717) 291-2891
TAMMY MORRISON	*VP*			(717) 672-2050
TAM LUONG	*ANALYST*			(717) 291-2433
LYELL BUCHRADT	*SVP*			(757) 321-6359
GOLDMAN, SACHS & COMPANY. LLC	**119-01**	**MBGO**	**OPTN**	
SEE GOLDMAN SACHS & COMPANY (MBGS)				
GOLDMAN, SACHS & COMPANY. LLC	**119-01**	**MBGS**	**SBO**	**POOLNET**
CHRIS CROCITTO	*MANAGER*			(212) 357-8559
HOTLINE	*ALLOCATIONS*			(212) 902-1519
HOTLINE	*MBSCC/NOS*			(972) 368-7954
ARTHUR DARDIA	*TECHNICAL*			(212) 357-7899
GAGNDEEP KAUR	*TECHNICAL*			(212) 855-9941
HILLTOP SECURITIES INC	**386-01**	**SWSI**	**SBO**	**POOLNET**
CHRIS MAKER	*OPS DIRECTOR*			(214) 953-4006
STEPHEN RONEY	*GROUP MANAGER*			(214) 953-8714
ROSE SPEEGLE	*MBS COORDINATOR*			(214) 859-9389
SCOTT WILLIS	*MBS COORDINATOR*			(214) 953-4140
TBAPOOLOPS@HILLTOPSECURITIES.COM	*AOT/POOL SETTLEMENT INFO*			(214) 859-9389
MBSCOMPS@HILLTOPSECURITIES.COM	*RTTM/CLEARING*			(214) 859-1074
HSBC BANK USA, N.A.	**217-01**	**MMBK**	**SBO**	**POOLNET**
ALLOCATIONS HOTLINE				(212) 525-0150
SETTLEMENTS	*FIS@US.HSBC.COM*			
GROUP EMAIL	*FI.P&S@US.HSBC.COM*			
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL S	**441-01**	**ICBK**	**SBO**	**POOLNET**
JOHN HOCK	*DIRECTOR*			(212) 993-7321
HOTLINE				(212) 993-7320
ALLOCATIONS/ASSIGNMENTS	*FedOps@ICBKFS.com*			

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MAJS**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MBAM**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MBBT**	**SBO**	**POOLNET**
ALLOCATIONS	*HOTLINE*			(302) 634-1842
ALLOCATIONS/RTTM	*cio_mbs_allocations@jpmorgan.com*			
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MBCI**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MBCL**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-02**	**MBCZ**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MBVL**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION	**148-01**	**MCBE**	**SBO**	**POOLNET**
SEE JP MORGAN CHASE BANK NA (MBBT)				
J.P. MORGAN CHASE BANK NA	**164-01**	**MBCG**	**SBO/OPTN**	**POOLNET**
VINCENT OLIVIERO	*VP*			(201) 356-0934
PHILIP PERCI	*VP*			(201) 356-0935
ROSELIE VERDESOTO	*MBSCC*			(201) 356-0941
TRADE SUPPORT GROUP	*CMRM.TRADE.SUPPORT@CHASE.COM*			
J.P. MORGAN SECURITIES	**103-R1**	**JSEO**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
J.P. MORGAN SECURITIES LLC	**103-R2**	**JESP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-64**	**JPFD**	**SBO**	**POOLNET**
ALLOCATIONS	*HOTLINE*			(302) 634-1842
ALLOCATIONS / RTTM	*pb_allocations@jpmorgan.com*			
J.P. MORGAN SECURITIES LLC	**103-05**	**JSAE**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-08**	**JSAG**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-23**	**JSAI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-20**	**JSAK**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-22**	**JSAN**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H5**	**JSAO**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H7**	**JSAQ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-58**	**JSAT**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J4**	**JSAU**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES, LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I4**	**JSAV**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-84**	**JSAX**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I1**	**JSAZ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-24**	**JSBB**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-10**	**JSBD**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-28**	**JSBH**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-29**	**JSBI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J5**	**JSBJ**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES, LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J6**	**JSBK**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES, LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J7**	**JSBL**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES, LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-B1**	**JSBM**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-J8**	**JSBN**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-J9**	**JSBO**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K1**	**JSBP**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K2**	**JSBQ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K3**	**JSBR**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K4**	**JSBS**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K5**	**JSBT**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITES, LLC (JPFD)*	**103-K6**	**JSBU**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K7**	**JSBV**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K8**	**JSBW**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-K9**	**JSBX**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES, LLC (JPFD)*	**103-L2**	**JSBZ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-L8**	**JSCB**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-L9**	**JSCC**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-M1**	**JSCH**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-M2**	**JSCJ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-M4**	**JSCN**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-M5**	**JSCQ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-M6**	**JSCU**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-N1**	**JSCY**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-L3**	**JSDA**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P.MORGAN SECURITIES LLC (JPFD)*	**103-L4**	**JSDB**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC	**103-L5**	**JSDC**	**SBO**	**POOLNET**

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES (JPFD)*	**103-O3**	**JSDG**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-O4**	**JSDH**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-O5**	**JSDI**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES LLC (JPFD)*	**103-O6**	**JSDJ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES LLC (JPFD)*	**103-O7**	**JSDK**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-O8**	**JSDL**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES LLC (JPFD)*	**103-O9**	**JSDO**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-P1**	**JSDQ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE JP MORGAN SECURITIES LLC (JPFD)*	**103-P2**	**JSDR**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-P7**	**JSDT**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-P6**	**JSDU**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-P9**	**JSDV**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC*	**103-P8**	**JSDW**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC(JPFD)*	**103-Q1**	**JSDX**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-Q2**	**JSDY**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-Q3**	**JSDZ**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES, LLC (JPFD)*	**103-Q4**	**JSEA**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES, LLC (JPFD)*	**103-Q5**	**JSEB**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES, LLC (JPFD)*	**103-Q6**	**JSED**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES, LLC (JPFD)*	**103-Q7**	**JSEF**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-Q8**	**JSEG**	**SBO**	**POOLNET**
J.P. MORGAN SECURITIES LLC *SEE J.P. MORGAN SECURITIES LLC (JPFD)*	**103-Q8**	**JSEH**	**SBO**	**POOLNET**

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
J.P. MORGAN SECURITIES LLC	**103-33**	**JSEV**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-97**	**JSFD**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-65**	**JSGN**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-D7**	**JSHB**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E2**	**JSHG**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E3**	**JSHH**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E4**	**JSHI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E7**	**JSHP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E8**	**JSHQ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-E9**	**JSHR**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-F2**	**JSHT**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-F3**	**JSHU**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-F5**	**JSHX**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-04**	**JSKJ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-59**	**JSLP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-53**	**JSMF**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-31**	**JSMH**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-50**	**JSMR**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-56**	**JSMT**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-60**	**JSMW**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-51**	**JSPH**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-B4**	**JSPI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-72**	**JSPM**	**SBO**	**POOLNET**

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-B5**	**JSPN**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-B8**	**JSPU**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-C1**	**JSPW**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-B9**	**JSPY**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-C9**	**JSPZ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I6**	**JSUD**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-F9**	**JSWC**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-93**	**JSWE**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G1**	**JSWG**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G3**	**JSWI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G4**	**JSWK**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G5**	**JSWL**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G6**	**JSWM**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G7**	**JSWN**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G8**	**JSWO**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-G9**	**JSWP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H1**	**JSWQ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H2**	**JSWR**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H3**	**JSYA**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-H4**	**JSYB**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-35**	**JSYD**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-42**	**JSYF**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
J.P. MORGAN SECURITIES LLC	**103-I2**	**JSZN**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I3**	**JSZO**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES, LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I7**	**JSZP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I8**	**JSZQ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-I9**	**JSZR**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J2**	**JTAA**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-J3**	**JTAB**	**SBO**	**POOLNET**
SEE J.P.MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-M8**	**JTAD**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N2**	**JTAE**	**SBO**	**POOLNET**
SEE JP MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N3**	**JTAF**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N5**	**JTAH**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N6**	**JTAI**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N7**	**JTAJ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N8**	**JTAK**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-N9**	**JTAL**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-O1**	**JTAM**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-O2**	**JTAN**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-P3**	**JTAP**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-P4**	**JTAR**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**103-P5**	**JTAS**	**SBOD**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC	**107-01**	**MBCE**	**SBO**	**POOLNET**
ALLOCATIONS	*HOTLINE*			(302) 634-1842
EMAIL ALLOCATIONS	*mbs.allocations@jpmorgan.com*			
EMAIL RTTM / AOTS	*mbs.tradeassignments@jpmorgan.com*			

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
J.P. MORGAN SECURITIES, LLC	**103-R3**	**JESQ**	**SBO**	**POOLNET**
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
JANNEY MONTGOMERY SCOTT LLC	**458-01**	**JMSL**	**SBO**	**POOLNET**
JOSEPH AZOR	*jazor@janney.com*			(215) 665-1228
MIDDLE OFFICE				(215) 665-6621
JOSEPH CLEMENT				(215) 665-6065
EDWARD COLLOTON	*ecolloton@janney.com*			(215) 665-6597
KEVIN SOUDER	*ksouder@janney.com*			(215) 665-4505
MARK GRESS	*mgress@janney.com*			(215) 665-6247
ALAN SMITH	*SETTLEMENT asmith@janney.com*			(215) 665-6300
MARK KOBZAR	*SETTLEMENT mkobzar@janney.com*			(215) 665-1654
CARRIE PAPP				(215) 665-6276
JEFFERIES LLC	**435-01**	**JEFF**	**SBO**	**POOLNET**
JULIUS PELLEGRITO	*VP / MANAGER*			(201) 761-7672
ALLOCATIONS	*FICC/AOT*			(201) 793-9111
MAREX CAPITAL MARKETS INC.	**475-01**	**EDFM**	**SBO**	**POOLNET**
BRENT POSNER	*DIRECTOR OF OPS*			(212) 618-2809
RICHARD GILL	*BILLING*			(212) 618-2863
MIRAE ASSET SECURITIES (USA) INC	**492-02**	**MASA**	**SBO**	**POOLNET**
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES (USA) INC	**492-03**	**MASB**	**SBO**	**POOLNET**
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES (USA) INC	**492-04**	**MASC**	**SBO**	**POOLNET**
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES (USA) INC	**492-01**	**MASU**	**SBO**	**POOLNET**
SEAN EINHART	*DIRECTOR-OPERATIONS*			(646) 968-2030
DAVID WONG	*EXECUTIVE DIRECTOR-OPERATIONS*			(646) 968-2030
FIXED INCOME TRADE SUPPORT	*GROUP E-MAIL*			(646) 968-2031
MIZUHO CORPORATE BANK LIMITED	**471-02**	**MITD**	**SBO**	**POOLNET**
SEE MIZUHO SECURITIES USA INC (MZNY)				
MIZUHO CORPORATE BANK LIMITED	**471-01**	**MZNY**	**SBO**	**POOLNET**
THELMA HOLT	*MANAGER*			(201) 626-9493
JOSEPH TERRIZZI	*MBS/POOL/SETTLEMENT INFO*			(201) 626-9489
MIZUHO SECURITIES USA INC	**390-01**	**MSUI**	**SBO**	**POOLNET**
SEE MIZUHO SECURITIES USA INC (MSUS)				
MIZUHO SECURITIES USA INC	**390-01**	**MSUS**	**SBO**	**POOLNET**
RICHARD VISCO	*DIRECTOR*			(201) 626-1288
MICHAEL SIDHOM	*POOL INFO*			(212) 205-7529
KEVIN KIELY	*POOL INFO*			(212) 205-7529
FAX	*FAX*			(917) 338-0298

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
MORGAN STANLEY & CO LLC	**132-01**	**MBMS**	**SBO/OPTN**	**POOLNET**
SETH JABLON	*VICE PRESIDENT*			(443) 627-4692
YVONNE MOSLEY	*TEAM LEAD/ALLOCATIONS DIRECTOR*			(443) 627-6322
BILL HORAN	*ALLOCATIONS DIRECTOR*			(212) 762-3597
BRIAN DUFFY	*ALLOCATIONS DIRECTOR*			(212) 761-3598
BRENDA MITCHELL	*ALLOCATIONS DIRECTOR*			(443) 627-5200
BONNY MANUEL	*TEAM LEAD/MBSCC DIRECTOR*			(443) 627-6508
BEN STONER	*RTTM*			(212) 762-3593
SIERRA JOHNSON	*RTTM*			(443) 627-5684
AMELIA BROWNE	*RTTM*			(443) 627-5457
ALLOCATIONS/RTTM	*mbs.allocations@morganstanley.com*			(443) 627-4738
TRADE ASSIGNMENTS	*mbsaotteam@morganstanley.com*			(212) 296-4277
MUFG SECURITIES AMERICAS INC	**480-01**	**MUSA**	**SBO**	**POOLNET**
DEMETRIOS NANAVRAKIS	*MANAGER / MBS ALLOCATIONS & OPS*			(212) 405-6552
LINDSAY CRUZ	*ALLOCATIONS*			(212) 405-6568
RAY SACKMAN	*ALLOCATIONS*			(212) 405-6877
COREY WALTON	*ALLOCATIONS*			(212) 405-7052
MBS OPERATIONS GROUP EMAIL	*MBS-OPS@us.sc.mufg.jp*			
NATIONAL FINANCIAL SERVICES LLC	**417-06**	**NBLB**	**SBO**	**POOLNET**
SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)				
NATIONAL FINANCIAL SERVICES LLC.	**417-04**	**CBTD**	**SBO**	**POOLNET**
SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)				
NATIONAL FINANCIAL SERVICES LLC.	**417-01**	**NFSL**	**SBO**	**POOLNET**
DANIEL KATZ	*VICE PRESIDENT*			(617) 563-7107
IAN HETHERINGTON	*OPERATIONS MANAGER*			(617) 563-0862
BRYAN LOVELAND	*MBS / POOL INFO*			(617) 563-0862
SAM SARACINO	*SETTLEMENTS*			(866) 755-6372
AL ROBINSON	*TECHNICAL*			(201) 915-8464
NATIONAL FINANCIAL SERVICES, LLC	**417-03**	**HUCO**	**SBO**	**POOLNET**
SEE NATIONAL FINANCIAL SERVICES, LLC (NFSL)				
NATIXIS SECURITIES AMERICAS, LLC	**466-01**	**NSAL**	**SBO**	**POOLNET**
CHRIS KOSTOPOULOS	*MANAGER*			(212) 872-5028
GARY DIBBLE	*MBS/POOL/SETTLEMENT INFO*			(212) 872-5022
NAVY FEDERAL CREDIT UNION	**541-01**	**NFCU**	**SBO**	**POOLNET**
MARK BAUER	*ALLOCATIONS*			(703) 206-2345
AGNES MARISA	*DIRECTOR OF OPS*			(703) 255-8227
WILLIAM TABRI	*MANAGER*			(703) 206-4014
NOMURA SECURITIES INTERNATIONAL, INC.	**421-01**	**NOMO**	**OPTN**	
SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)				
NOMURA SECURITIES INTERNATIONAL, INC.	**421-01**	**NOMU**	**SBO/OPTN**	**POOLNET**
CARLINE MURPHY	*VICE PRESIDENT*			(212) 667-9550
ALLOCATIONS	*NOMUALLOCATIONS@US.NOMURA.COM*			(212) 667-9491
FICC HOTLINE	*NOMURAFICC@NOMURA.COM*			(212) 667-9698

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
NOMURA SECURITIES INTERNATIONAL, INC./PROP.	**421-01**	**NOMP**	**SBO/OPTN**	**POOLNET**
SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)				
OPPENHEIMER & CO. INC.	**431-01**	**OPCO**	**SBO**	**POOLNET**
ANGELO MESSINA	*ASSOCIATE*	*Angelo.Messina@opco.com*		(516) 946-9064
PETER PETERSON	*ASSOCIATE*	*Peter.Peterson@opco.com*		(212) 668-5069
ADAM POPPER	*MANAGER*	*Adam.Popper@opco.com*		(212) 667-5928
PALAFOX TRADING, LLC	**403-01**	**PATL**	**SBO/OPTN**	**POOLNET**
RICHARD MORSE	*SVP*			(312) 444-5307
POOL INFORMATION	*HOTLINE*			(312) 630-6234
SETTLEMENTS	*SETTLEMENTS*			(312) 443-5350
KAREN JONES	*MANAGER FICC*			(312) 395-2874
FICC	*HOTLINE*			(312) 443-2846
PERSHING, LLC	**343-01**	**PRSH**	**SBO**	**POOLNET**
KIRK STAINE	*VP*			(347) 661-2852
MBSCC/AOT	*PRSHFICC@pershing.com*			(201) 413-2999
ALLOCATIONS	*MBSALLOC@bnymellon.com*			(201) 413-4780
HANS MENOS	*ALLOCATIONS/POOL INFO*			(201) 761-5038
FINNY THOMAS	*ALLOCATIONS/POOL INFO*			(201) 761-5025
LIZETTE BARQUERO-DESIMONE	*MBSCC/POOL INFO*			(201) 761-5026
OLGA RUEDA	*MBSCC/SETTLEMENTS*			(201) 413-2999
VIDHYA CHANDRAMOHAN	*TECHNICAL*			(973) 360-2891
FAX NUMBER				(201) 413-2406
PNC BANK NATIONAL ASSOCIATION	**369-01**	**PNCB**	**SBO**	**POOLNET**
JEFFREY SZALKUSKI	*MANAGER*			(412) 237-0573
DANIEL ANTONUCCI	*SETTLEMENTS*			(412) 237-0746
ERIN PEASLEE	*SETTLEMENTS*			(412) 237-0510
TRADE CAPTURE	*securitiestradecapture@pnc.com*			(855) 403-5915
SETTLEMENT EMAIL	*SECSETT@PNC.COM*			
DAKOTA RECTOR	*TRADE COMPARISON/ALLOCATION*			(412) 237-0542
BRANDON TURNER	*TRADE COMPARISON/ALLOCATION*			(412) 237-0541
BRITTNIE KOHL	*TRADE COMPARISON/ALLOCATION*			(412) 237-0525
JESSICA JACOBS	*SETTLEMENTS*			(412) 237-0533
PNC BANK, N.A.	**369-01**	**PNCP**	**SBO**	**POOLNET**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)				
PNC BANK, N.A.	**369-01**	**PNCR**	**SBO**	**POOLNET**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)				
PNC BANK, N.A.	**369-01**	**PNCS**	**SBO**	**POOLNET**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)				
PNC CAPITAL MARKETS LLC	**495-01**	**PNCT**	**SBO**	**POOLNET**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
RAYMOND JAMES & ASSOCIATES INC.	**181-01**	**RAJA**	**SBO**	**POOLNET**
LINDA NERI	*AVP*			(727) 567-3128
BILL ALTER	*SUPERVISOR*			(727) 567-3131
LINDA RUSSELL	*SETTLEMENTS*			(727) 567-3132
LEHIGH HAZELGROVE	*TRADE COMPARISONS*			(901) 524-4198
RAYMOND JAMES & ASSOCIATES INC.	**181-02**	**RJFI**	**SBO**	**POOLNET**
SEE RAYMOND JAMES & ASSOCIATES INC. (RAJA)				
RBC CAPITAL MARKETS LLC	**245-04**	**SPEX**	**SBO**	**POOLNET**
SEE RBC CAPITAL MARKETS, LLC				
RBC CAPITAL MARKETS, LLC / RBC CAPITAL MARKETS	**245-03**	**DRBC**	**SBO**	**POOLNET**
ROB ANCONA	*DIRECTOR*			(212) 618-2752
MBSCC				(212) 618-2755
ALLOCATIONS	*ALLOCATIONS*			(212) 618-2755
TOM SARTORIO	*TECHNICAL SUPPORT*			(212) 858-6085
FAX	*ALLOCATIONS*			(212) 618-2754
CM-USA-MBS Allocations	*CM-USA-MBSAllocations@rbc.com*			
ROBERT W. BAIRD & CO. INCORPORATED	**331-01**	**RWBC**	**SBO**	**POOLNET**
POOL INFO				(414) 298-5911
POOL INFO BACK-UP LINE				(414) 765-3984
LAURA PREISSNER	*MANAGER*			(414) 298-2421
STEVE KAYE	*TECHNICAL*			(414) 298-7364
VERONICA ARIAS	*CLEARING FUND AFTER 3*			(414) 765-3844
NICHOLAS STORCH	*CLEARING FUND BEFORE 3*			(414) 765-1425
RONALD FOELSKE	*CLEARING FUND BEFORE 3*			(414) 765-7001
ALLEN FINEFIELD	*CLEARING FUND BEFORE 3*			(414) 765-3869
CHRIS PAJEWSKI	*CLEARING FUND BEFORE 3*			(817) 339-3429
TAMMY JASINSKI	*CLEARING FUND AFTER 3*			(414) 765-3884
WENDY WOLFE	*CLEARING FUND AFTER 3*			(414) 765-3879
MATT SCHNEIDER	*CLEARING FUND AFTER 3*			(414) 765-3993
SANTANDER US CAPITAL MARKETS LLC	**445-01**	**PPTS**	**SBO**	**POOLNET**
MARK TOOMER	*MBS ALLOCATIONS/OPERATIONS*			(302) 533-2915
MARK CATALANO	*MBS OPERATIONS*			(203) 428-2523
DIANE GUILLAUME	*TRADE ASSIGNMENTS*			(713) 888-9126
TRADE ASSIGNMENTS	*mbs.allocations@santander.us*			
JOHN DUDAS	*MBS SETTLEMENTS MANAGER*			(302) 533-2905
ALLOCATIONS EMAIL	*mbs.allocations@santander.us*			

Part name	Part# / Title	Symbol	Trans type	Acct type / Phone#
SG AMERICAS SECURITIES LLC	**338-01**	**FIAT**	**SBO**	**POOLNET**
STEPHANIE SARNO	*MANAGER*			(201) 839-8986
TEODORO DIANGSON	*POOL INFO*			(201) 839-8987
SG AMERICAS SECURITIES LLC	**338-07**	**GORD**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES LLC	**338-06**	**NAAR**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES LLC	**338-05**	**NFPI**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES LLC	**338-08**	**SGVR**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES, LLC	**338-02**	**MEDL**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338-13**	**SGBB**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338-14**	**SGCC**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338-15**	**SGDD**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338-09**	**SGRG**	**SBO**	**POOLNET**
SEE SG AMERICAS SECURITIES, LLC (FIAT)				
SOUTH STREET SECURITIES LLC	**425-01**	**SSTR**	**SBO**	**POOLNET**
DONALD WEBBE	*MANAGER*			(212) 803-5050
KABIR VADERA	*POOL / SETTLEMENT INFO*			(212) 824-0738
MONICA URENA	*POOL / SETTLEMENT INFO*			(212) 824-0738
RICHARD ANDREW	*GENERAL POOL INFO*			(212) 824-0738
STIFEL NICOLAUS & COMPANY INC.	**393-01**	**SNCI**	**SBO**	**POOLNET**
HOTLINE	*MBS*			(314) 342-2048
HOTLINE	*MBS/POOL INFO/MBS&POOL NETTING/EPN*			(314) 342-2048
JEN RATERMANN	*MANAGER TRADE SUPPORT/MBS*			(314) 342-2048
BARB MISIEWICZ	*DIRECTOR TRADE SUPPORT/MBS*			(314) 342-2044
CHERYL GIBSON	*DIRECTOR SETTLEMENTS*			(314) 342-2052
FAX #	*MBS/POOLINFO/MBS&POOL NETTING/EPN*			(314) 342-2971
STONEX FINANCIAL, INC	**358-01**	**IFSF**	**SBO**	**POOLNET**
CHRIS TALBOTT				(212) 379-5545
TD SECURITIES	**212-01**	**TDSC**	**SBO**	**POOLNET**
TU LE	*MBS OPERATIONS*			(212) 827-7030
MBS ALLOCATIONS/FICC/TRADE ASSIGNMENTS	*TD-MBSOPS@TDSECURITIES.COM*			(212) 827-7713
MBS SETTLEMENTS				(212) 827-7537
MBS CLEARANCE EMAIL	*TDUSA-TDGOVOPS@TDSECURITIES.COM*			
TIAA - CREF CORE BOND FUND	**294-01**	**CMIB**	**SBO**	**POOLNET**
SEE CREF/BOND MARKET ACCOUNT (CBMA)				
TIAA - CREF CORE PLUS BOND FUND	**295-01**	**CMBP**	**SBO**	**POOLNET**
SEE CREF/BOND MARKET ACCOUNT (CBMA)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
TIAA –CREF LIFE FUNDS-CORE BOND FUND	**482-01**	**CRLF**	**SBO**	**POOLNET**
SEE CREF/BOND MARKET ACCOUNT (CBMA)				
TIAA-CREF CORE IMPACT BOND FUND	**481-01**	**CRSC**	**SBO**	**POOLNET**
SEE CREF/BOND MARKET ACCOUNT (CBMA)				
TP ICAP GLOBAL MARKETS AMERICAS LLC	**111-02**	**MBPC**	**SBO**	**POOLNET**
CHRISTINE CIPRIANI	*MBS / POOL NETTING*			(201) 984-6688
GARRY BERNSTEIN	*TECHNICAL*			(201) 557-5521
RUBY GINSBERG	*TECHNICAL*			(201) 557-5090
MBSD HOTLINE/ POOL NETTING	*MBS/ POOL NETTING*			(201) 984-6636
ALLOCATIONS HOTLINE	*ALLOCATIONS/ EPN*			(201) 984-6635
ALLISON ROSSI	*MBS/POOL NETTING*			(201) 984-6642
TP ICAP GLOBAL MARKETS AMERICAS LLC/ICAP	**139-01**	**MBRM**	**SBO**	**BROKER**
SEE ICAP SECURITIES USA LLC (MGAR)				
TP ICAP GLOBAL MARKETS AMERICAS LLC/ICAP	**139-04**	**MGAR**	**SBO**	**POOLNET**
MICHAEL LEZZO	*SENIOR OPERATIONS MANAGER*			(201) 209-7847
ALICE WILKINS	*MBS*			(212) 815-9367
LAWRENCE GUTIERREZ	*MBS*			(212) 815-6838
HOTLINE				(212) 815-6690
TP ICAP GLOBAL MARKETS AMERICAS LLC/TULLETT	**111-01**	**MBCN**	**SBO**	**BROKER**
SEE TULLETT LIBERTY SECURITIES INC. (MBPC)				
TRUIST BANK	**347-02**	**BBAT**	**SBO/OPTN**	**POOLNET**
RICH TYSON	*MANAGER*			(336) 733-2856
DEBBIE HARRELL-CAYTON	*CLEARING/NOS*			(336) 733-2988
TRUIST BANK	**347-01**	**BBTC**	**SBO/OPTN**	**POOLNET**
KATIE LINDAHL	*POOL INFO/ALLOCATIONS*			(919) 745-5888
SCOT HENRY	*FVP*			(804) 387-1597
ANDY BALL	*SVP*			(919) 745-5877
LAUREN CAIN	*POOL INFO/ALLOCATIONS*			(919) 745-5883
FRANK BLACK	*TECHNICAL*			(252) 296-0103
MICHAEL ALLEN	*POOL INFO/ALLOCATIONS*			(919) 745-5878
U.S. BANK N.A.	**467-01**	**USBK**	**SBO**	**POOLNET**
GREG EVANSKY	*DIRECTOR OF OPS*			(952) 876-5390
MIKE KABAKOV	*FINANCIAL ANALYST*			(952) 876-5395
BRIANNE DOUGLAS				(952) 876-5399
UBS SECURITIES LLC	**136-01**	**MBPB**	**TFTD**	**POOLNET**
SEE UBS SECURITIES LLC (MBPA)				
UBS SECURITIES LLC	**136-01**	**MBPD**	**SBO**	**POOLNET**
SEE UBS SECURITIES LLC (MBPA)				
UBS SECURITIES LLC	**136-01**	**MBPO**	**TFTD**	**POOLNET**
SEE UBS SECURITIES LLC (MBPA)				
UBS SECURITIES LLC	**136-01**	**MBWH**	**SBO**	**POOLNET**
SEE UBS SECURITIES LLC (MBPA)				

Part name	Part# Title	Symbol	Trans type	Acct type Phone#
UBS SECURITIES LLC.	**136-01**	**MBPA**	**SBO**	**POOLNET**
ANNEMARIE BOWMAN	*DIRECTOR*			(212) 713-4323
NICOLE ENGLISH	*ASSOCIATE DIRECTOR*			(212) 713-4852
ALLOCATIONS/MBSCC/TRADE ASSIGNMENTS	*OL-MBPA-MBSOPSALLOC@UBS.COM*			(212) 713-4323
MBS OPERATIONS HOTLINE	*MBS OPS*			(212) 713-4323
SANDEEP ACHUTHAN	*TECHNICAL +48 694 349 996*			(212) 713-4323
CLEARANCE	*OL-SETTLEMENTS-NJ@UBS.COM*			(615) 332-6301
WEDBUSH SECURITIES INC	**448-01**	**WEDB**	**SBO**	**POOLNET**
RENE ECHIVERRI	*MANAGER*			(213) 688-4309
DAVID COLVILLE	*SENIOR VICE PRESIDENT*			(213) 688-8015
JOHN VALDEZ	*AVP*			(213) 688-4363
JUSTIN MATSUKAWA				(213) 688-4588
WELLS FARGO BANK, N.A.	**954-01**	**NWBL**	**SBO/OPTN**	**POOLNET**
SEE WELLS FARGO BANK, N.A. (NWST)				
WELLS FARGO BANK, N.A.	**954-01**	**NWST**	**SBO/OPTN**	**POOLNET**
MAX BODERMANN	*SVP*			(515) 398-7948
MARK KRAMER	*VP/OPERATIONS*			(515) 398-7952
HOTLINE	*MBS TRADES/POOL INFO*			(515) 213-4158
CAPITAL MARKETS SUPPORT	*TECHNICAL*			(314) 703-2359
WELLS FARGO BANK, N.A./WACHOVIA	**147-01**	**WBPT**	**SBO/OPTN**	**POOLNET**
TROY AMODIO	*MANAGER*			(704) 410-5468
ALLOCATIONS HOTLINE	*ALLOCATIONS HOTLINE*			(704) 410-5100
MBSCC ALLOCATIONS	*mbs.allocations@wellsfargo.com*			(704) 410-5100
ALLOCATIONS/MBSCC FAX	*ALLOCATIONS FAX*			(704) 410-5989
GERALD DONNELLY	*MARGIN*			(704) 410-8123
JOHN COLE	*MBS*			(704) 724-3152
WELLS FARGO BANK, N.A./WACHOVIA II	**215-01**	**FNBP**	**SBO**	**POOLNET**
ERIK REINHART				(704) 593-7307
WELLS FARGO CLEARING SERVICES LLC	**189-01**	**MBAG**	**SBO**	**POOLNET**
NICHOLAS CROW	*MANAGER*			(612) 478-3017
BRIDGETTE VUNETICH	*SETTLEMENTS*			(314) 875-7297
LYNN ZIMMER	*SETTLEMENTS*			(314) 875-7285
	Lawamda.Davis@firstclearing.com			
WELLS FARGO SECURITIES, LLC	**956-01**	**WFSA**	**SBO/OPTN**	**POOLNET**
SEE WELLS FARGO BANK, N.A./WACHOVIA (WBPT)	*mbs.allocations@wellsfargo.com*			