



May 3rd, 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.

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

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	<u>Title</u>			<u>Phone#</u>
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

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	126-03	MBBA	SBO/OPTN	POOLNET
BOFA SECURITIES INC <i>CHRISTOPHER GLYNN</i> <i>ALLOCATIONS / POOL INFO</i> <i>MBSCC/TRADE ASSIGNMENTS</i>	126-01 <i>MANAGER</i>	MBNB	SBO/OPTN	POOLNET <i>(980) 386-9430</i> <i>(980) 386-9430</i> <i>(980) 386-9430</i>
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-47	MLCH	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-13	MLCJ	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-53	MLDB	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-54	MLDC	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-55	MLDE	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-56	MLDF	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-58	MLDH	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-59	MLDJ	SBO/OPTN	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-60	MLDK	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES LLC (MBNB)</i>	371-61	MLDL	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-64	MLDQ	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-15	MLDR	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-41	MLGA	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES LLC (MBNB)</i>	371-48	MLHB	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES (MBNB)</i>	371-52	MLPC	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES (MBNB)</i>	371-49	MLPD	SBO / OPT	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-01	MLPF	SBO	POOLNET
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371-23	MLVO	SBO	POOLNET
BROKERTEC AMERICAS LLC <i>MICHAEL LEZZO</i>	491-01 <i>DIRECTOR OF OPERATIONS</i>	BTAC	SBO	BROKER <i>(212) 704-5668</i>

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

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CITIBANK NA <i>SEE CITIBANK NA (CBNA)</i>	540-02	CBGM	SBO/OPTN	POOLNET
CITIBANK NA <i>ALLOCATION HOTLINE</i>	540-01 <i>ALLOCATIONS</i>	CBNA	SBO/OPTN	POOLNET <i>(716) 730-8009</i>
<i>FICC HOTLINE</i>	<i>FICC</i>			<i>(716) 730-8010</i>
<i>DANIEL GARTLAND</i>	<i>AVP ALLOCATIONS</i>			<i>(716) 730-6023</i>
<i>ALLOCATIONS FAX</i>	<i>ALLOCATIONS FAX</i>			<i>(866) 201-3716</i>
<i>ASSIGNMENT FAX</i>	<i>ASSIGNMENT FAX</i>			<i>(877) 267-6032</i>
<i>KATIE EVANS</i>	<i>VP SETTLEMENTS</i>			<i>(716) 730-8116</i>
CITIBANK NA <i>ALLOCATION HOTLINE</i>	465-01 <i>ALLOCATIONS</i>	CBTY	SBO	POOLNET <i>(716) 730-8009</i>
<i>FICC HOTLINE</i>	<i>FICC</i>			<i>(716) 730-8010</i>
<i>DANIEL GARTLAND</i>	<i>AVP ALLOCATIONS</i>			<i>(716) 730-6023</i>
<i>KATIE EVANS</i>	<i>VP SETTLEMENTS</i>			<i>(716) 730-8116</i>

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

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

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

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
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

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

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
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			

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MAJS	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MBAM	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>ALLOCATIONS</i> <i>ALLOCATIONS/RTTM</i>	148-01 <i>HOTLINE</i> <i>cio_mbs_allocations@jpmorgan.com</i>	MBBT	SBO	POOLNET <i>(302) 634-1842</i>
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MBCI	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MBCL	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-02	MBCZ	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MBVL	SBO	POOLNET
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION <i>SEE JP MORGAN CHASE BANK NA (MBBT)</i>	148-01	MCBE	SBO	POOLNET
J.P. MORGAN CHASE BANK NA <i>VINCENT OLIVIERO</i> <i>PHILIP PERCI</i> <i>ROSELIE VERDESOTO</i> <i>TRADE SUPPORT GROUP</i>	164-01 <i>VP</i> <i>VP</i> <i>MBSCC</i> <i>CMRM.TRADE.SUPPORT@CHASE.COM</i>	MBCG	SBO/OPTN	POOLNET <i>(201) 356-0934</i> <i>(201) 356-0935</i> <i>(201) 356-0941</i>
J.P. MORGAN SECURITIES <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R4	JFAA	SBO	POOLNET
J.P. MORGAN SECURITIES <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R5	JFAB	SBO	POOLNET
J.P. MORGAN SECURITIES <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R6	JFAC	SBO	POOLNET
J.P. MORGAN SECURITIES <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R7	JFAD	SBO	POOLNET
J.P. MORGAN SECURITIES <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R1	JSEO	SBO	POOLNET

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

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

<u>Part name</u>	<u>Part# Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type Phone#</u>
SEE J.P. MORGAN SECURITIES LLC (JPFD)				
J.P. MORGAN SECURITIES LLC SEE J.P. MORGAN SECURITIES (JPFD)	103-03	JSDG	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE J.P. MORGAN SECURITIES LLC (JPFD)	103-04	JSDH	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE J.P. MORGAN SECURITIES LLC (JPFD)	103-05	JSDI	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE JP MORGAN SECURITIES LLC (JPFD)	103-06	JSDJ	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE JP MORGAN SECURITIES LLC (JPFD)	103-07	JSDK	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE J.P. MORGAN SECURITIES LLC (JPFD)	103-08	JSDL	SBO	POOLNET
J.P. MORGAN SECURITIES LLC SEE JP MORGAN SECURITIES LLC (JPFD)	103-09	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

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-33	JSEV	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-97	JSFD	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-65	JSGN	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-D7	JSHB	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E2	JSHG	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E3	JSHH	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E4	JSHI	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E7	JSHP	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E8	JSHQ	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-E9	JSHR	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-F3	JSHU	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-F5	JSHX	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-04	JSKJ	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-59	JSLP	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-53	JSMF	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-31	JSMH	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-50	JSMR	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-56	JSMT	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-60	JSMW	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-51	JSPH	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-B4	JSPI	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-72	JSPM	SBO	POOLNET
J.P. MORGAN SECURITIES LLC	103-B5	JSPN	SBO	POOLNET

<u>Part name</u>	<u>Part# Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type Phone#</u>
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-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)				
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)				

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-I7	JSZP	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-I8	JSZQ	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-I9	JSZR	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-J2	JTAA	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-J3	JTAB	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-M8	JTAD	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>	103-N2	JTAE	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N3	JTAF	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N5	JTAH	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N6	JTAI	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N7	JTAJ	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N8	JTAK	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-N9	JTAL	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-O1	JTAM	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-O2	JTAN	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-P3	JTAP	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-P4	JTAR	SBO	POOLNET
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-P5	JTAS	SBOD	POOLNET
J.P. MORGAN SECURITIES LLC ALLOCATIONS EMAIL ALLOCATIONS EMAIL RTTM / AOTS	107-01 HOTLINE <i>mbs.allocations@jpmorgan.com</i>	MBCE	SBO	POOLNET <i>mbs.tradeassignments@jpmorgan.com</i> <i>(302) 634-1842</i>
J.P. MORGAN SECURITIES, LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103-R3	JESQ	SBO	POOLNET

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
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	492-06	MASD	SBO	POOLNET
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES	492-07	MASE	SBO	POOLNET
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES	492-09	MASG	SBO	POOLNET
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES	492-10	MASH	SBO	POOLNET
SEE MIRAE ASSET SECURITIES (MASU)				
MIRAE ASSET SECURITIES	492-08	MASI	SBO	POOLNET
SEE MIRAE ASSET SECURITIES (MASU)				
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

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MIZUHO SECURITIES USA INC <i>SEE MIZUHO SECURITIES USA INC (MSUS)</i>	390-01	MSUI	SBO	POOLNET
MIZUHO SECURITIES USA INC <i>RICHARD VISCO</i>	390-01 <i>DIRECTOR</i>	MSUS	SBO	POOLNET <i>(201) 626-1288</i>
<i>MICHAEL SIDHOM</i>	<i>POOL INFO</i>			<i>(212) 205-7529</i>
<i>KEVIN KIELY</i>	<i>POOL INFO</i>			<i>(212) 205-7529</i>
<i>FAX</i>	<i>FAX</i>			<i>(917) 338-0298</i>
MORGAN STANLEY & CO LLC <i>SETH JABLON</i>	132-01 <i>VICE PRESIDENT</i>	MBMS	SBO/OPTN	POOLNET <i>(443) 627-4692</i>
<i>YVONNE MOSLEY</i>	<i>TEAM LEAD/ALLOCATIONS DIRECTOR</i>			<i>(443) 627-6322</i>
<i>BILL HORAN</i>	<i>ALLOCATIONS DIRECTOR</i>			<i>(212) 762-3597</i>
<i>BRIAN DUFFY</i>	<i>ALLOCATIONS DIRECTOR</i>			<i>(212) 761-3598</i>
<i>BRENDA MITCHELL</i>	<i>ALLOCATIONS DIRECTOR</i>			<i>(443) 627-5200</i>
<i>BONNY MANUEL</i>	<i>TEAM LEAD/MBSCC DIRECTOR</i>			<i>(443) 627-6508</i>
<i>BEN STONER</i>	<i>RTTM</i>			<i>(212) 762-3593</i>
<i>SIERRA JOHNSON</i>	<i>RTTM</i>			<i>(443) 627-5684</i>
<i>AMELIA BROWNE</i>	<i>RTTM</i>			<i>(443) 627-5457</i>
<i>ALLOCATIONS/RTTM</i>	<i>mbs.allocations@morganstanley.com</i>			<i>(443) 627-4738</i>
<i>TRADE ASSIGNMENTS</i>	<i>mbsaotteam@morganstanley.com</i>			<i>(212) 296-4277</i>
MUFG SECURITIES AMERICAS INC <i>DEMETRIOS NANAVRAKIS</i>	480-01 <i>MANAGER / MBS ALLOCATIONS & OPS</i>	MUSA	SBO	POOLNET <i>(212) 405-6552</i>
<i>LINDSAY CRUZ</i>	<i>ALLOCATIONS</i>			<i>(212) 405-6568</i>
<i>RAY SACKMAN</i>	<i>ALLOCATIONS</i>			<i>(212) 405-6877</i>
<i>COREY WALTON</i>	<i>ALLOCATIONS</i>			<i>(212) 405-7052</i>
<i>MBS OPERATIONS GROUP EMAIL</i>	<i>MBS-OPS@us.sc.mufg.jp</i>			
NATIONAL FINANCIAL SERVICES LLC <i>SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)</i>	417-06	NBLB	SBO	POOLNET
NATIONAL FINANCIAL SERVICES LLC. <i>SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)</i>	417-04	CBTD	SBO	POOLNET
NATIONAL FINANCIAL SERVICES LLC. <i>DANIEL KATZ</i>	417-01 <i>VICE PRESIDENT</i>	NFSL	SBO	POOLNET <i>(617) 563-7107</i>
<i>IAN HETHERINGTON</i>	<i>OPERATIONS MANAGER</i>			<i>(617) 563-0862</i>
<i>BRYAN LOVELAND</i>	<i>MBS / POOL INFO</i>			<i>(617) 563-0862</i>
<i>SAM SARACINO</i>	<i>SETTLEMENTS</i>			<i>(866) 755-6372</i>
<i>AL ROBINSON</i>	<i>TECHNICAL</i>			<i>(201) 915-8464</i>
NATIONAL FINANCIAL SERVICES, LLC <i>SEE NATIONAL FINANCIAL SERVICES, LLC (NFSL)</i>	417-03	HUCO	SBO	POOLNET
NATIXIS SECURITIES AMERICAS, LLC <i>CHRIS KOSTOPOULOS</i>	466-01 <i>MANAGER</i>	NSAL	SBO	POOLNET <i>(212) 872-5028</i>
<i>GARY DIBBLE</i>	<i>MBS/POOL/SETTLEMENT INFO</i>			<i>(212) 872-5022</i>
NAVY FEDERAL CREDIT UNION <i>MARK BAUER</i>	541-01 <i>ALLOCATIONS</i>	NFCU	SBO	POOLNET <i>(703) 206-2345</i>
<i>AGNES MARISA</i>	<i>DIRECTOR OF OPS</i>			<i>(703) 255-8227</i>
<i>WILLIAM TABRI</i>	<i>MANAGER</i>			<i>(703) 206-4014</i>

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
NOMURA SECURITIES INTERNATIONAL, INC. SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)	421-01	NOMO	OPTN	
NOMURA SECURITIES INTERNATIONAL, INC. CARLINE MURPHY ALLOCATIONS FICC HOTLINE	421-01 VICE PRESIDENT NOMUALLOCATIONS@US.NOMURA.COM NOMURAFICC@NOMURA.COM	NOMU	SBO/OPTN	POOLNET (212) 667-9550 (212) 667-9491 (212) 667-9698
NOMURA SECURITIES INTERNATIONAL, INC./PROP. SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)	421-01	NOMP	SBO/OPTN	POOLNET
OPPENHEIMER & CO. INC. ANGELO MESSINA PETER PETERSON ADAM POPPER	431-01 ASSOCIATE Angelo.Messina@opco.com ASSOCIATE Peter.Peterson@opco.com MANAGER Adam.Popper@opco.com	OPCO	SBO	POOLNET (516) 946-9064 (212) 668-5069 (212) 667-5928
PALAFIX TRADING, LLC RICHARD MORSE POOL INFORMATION SETTLEMENTS KAREN JONES FICC	403-01 SVP HOTLINE SETTLEMENTS MANAGER FICC HOTLINE	PATL	SBO/OPTN	POOLNET (312) 444-5307 (312) 630-6234 (312) 443-5350 (312) 395-2874 (312) 443-2846
PERSHING, LLC KIRK STAINE MBSCC/AOT ALLOCATIONS HANS MENOS FINNY THOMAS LIZETTE BARQUERO-DESIMONE OLGA RUEDA VIDHYA CHANDRAMOHAN FAX NUMBER	343-01 VP PRSHFICC@pershing.com MBSALLOC@bnymellon.com ALLOCATIONS/POOL INFO ALLOCATIONS/POOL INFO MBSCC/POOL INFO MBSCC/SETTLEMENTS TECHNICAL	PRSH	SBO	POOLNET (347) 661-2852 (201) 413-2999 (201) 413-4780 (201) 761-5038 (201) 761-5025 (201) 761-5026 (201) 413-2999 (973) 360-2891 (201) 413-2406
PNC BANK NATIONAL ASSOCIATION JEFFREY SZALKUSKI DANIEL ANTONUCCI ERIN PEASLEE TRADE CAPTURE SETTLEMENT EMAIL DAKOTA RECTOR BRANDON TURNER BRITTNIE KOHL JESSICA JACOBS	369-01 MANAGER SETTLEMENTS SETTLEMENTS securitiestradeCapture@pnc.com SECSETT@PNC.COM TRADE COMPARISON/ALLOCATION TRADE COMPARISON/ALLOCATION TRADE COMPARISON/ALLOCATION SETTLEMENTS	PNCB	SBO	POOLNET (412) 237-0573 (412) 237-0746 (412) 237-0510 (855) 403-5915 (412) 237-0542 (412) 237-0541 (412) 237-0525 (412) 237-0533
PNC BANK, N.A. SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	369-01	PNCP	SBO	POOLNET
PNC BANK, N.A. SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	369-01	PNCR	SBO	POOLNET
PNC BANK, N.A. SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	369-01	PNCS	SBO	POOLNET

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PNC CAPITAL MARKETS LLC <i>SEE PNC BANK NATIONAL ASSOCIATION (PNCB)</i>	495-01	PNCT	SBO	POOLNET
RAYMOND JAMES & ASSOCIATES INC. <i>LINDA NERI</i> <i>BILL ALTER</i> <i>LINDA RUSSELL</i> <i>LEHIGH HAZELGROVE</i>	181-01 AVP SUPERVISOR SETTLEMENTS TRADE COMPARISONS	RAJA	SBO	POOLNET (727) 567-3128 (727) 567-3131 (727) 567-3132 (901) 524-4198
RAYMOND JAMES & ASSOCIATES INC. <i>SEE RAYMOND JAMES & ASSOCIATES INC. (RAJA)</i>	181-02	RJFI	SBO	POOLNET
RBC CAPITAL MARKETS LLC <i>SEE RBC CAPITAL MARKETS, LLC</i>	245-04	SPEX	SBO	POOLNET
RBC CAPITAL MARKETS, LLC / RBC CAPITAL MARKETS <i>ROB ANCONA</i> <i>MBSCC</i> <i>ALLOCATIONS</i> <i>TOM SARTORIO</i> <i>FAX</i> <i>CM-USA-MBS Allocations</i>	245-03 DIRECTOR ALLOCATIONS TECHNICAL SUPPORT ALLOCATIONS CM-USA-MBSAllocations@rbc.com	DRBC	SBO	POOLNET (212) 618-2752 (212) 618-2755 (212) 618-2755 (212) 858-6085 (212) 618-2754
ROBERT W. BAIRD & CO. INCORPORATED <i>POOL INFO</i> <i>POOL INFO BACK-UP LINE</i> <i>LAURA PREISSNER</i> <i>STEVE KAYE</i> <i>VERONICA ARIAS</i> <i>NICHOLAS STORCH</i> <i>RONALD FOELSKE</i> <i>ALLEN FINEFIELD</i> <i>CHRIS PAJEWSKI</i> <i>TAMMY JASINSKI</i> <i>WENDY WOLFE</i> <i>MATT SCHNEIDER</i>	331-01 MANAGER TECHNICAL CLEARING FUND AFTER 3 CLEARING FUND BEFORE 3 CLEARING FUND BEFORE 3 CLEARING FUND BEFORE 3 CLEARING FUND BEFORE 3 CLEARING FUND AFTER 3 CLEARING FUND AFTER 3 CLEARING FUND AFTER 3	RWBC	SBO	POOLNET (414) 298-5911 (414) 765-3984 (414) 298-2421 (414) 298-7364 (414) 765-3844 (414) 765-1425 (414) 765-7001 (414) 765-3869 (817) 339-3429 (414) 765-3884 (414) 765-3879 (414) 765-3993
SANTANDER US CAPITAL MARKETS LLC <i>MARK TOOMER</i> <i>MARK CATALANO</i> <i>DIANE GUILLAUME</i> <i>TRADE ASSIGNMENTS</i> <i>JOHN DUDAS</i> <i>ALLOCATIONS EMAIL</i>	445-01 MBS ALLOCATIONS/OPERATIONS MBS OPERATIONS TRADE ASSIGNMENTS mbs.allocations@santander.us MBS SETTLEMENTS MANAGER mbs.allocations@santander.us	PPTS	SBO	POOLNET (302) 533-2915 (203) 428-2523 (713) 888-9126 (302) 533-2905

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

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

<u>Part name</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Trans type</u>	<u>Acct type</u> <u>Phone#</u>
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			